

STANDARD DESIGN

AIR FORCE MILITARY WORKING DOG FACILITY



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CHAPTER 1 INTRODUCTION

1.1. STANDARD DESIGN

Standard Designs provide functional and spatial requirements for specific Air Force facility types, and are intended for use in conjunction with DoD Unified Facilities Criteria (UFC), Air Force Corporate Facility Standards, Installation Facility Standards, and other applicable standards.

Standard Designs are living documents that are periodically reviewed, updated, and made available to users by posting on the Whole Building Design Guide. This Standard Design, as well as those for many other Air Force facilities, can be accessed at this web site: <http://wbdg.org/ffc/af-afcec/prototypes-standard-designs>

This Standard Design is effective upon issuance and is distributed only in electronic media.

1.2 AIR FORCE STANDARD DESIGN POLICY

1.2.A. Required use of Standard Designs

The use of Air Force Corporate Facilities Standards (AFCFS), Installation Facility Standards (IFS) and Standard Designs has been codified in the most recent version of AFI 32-1023, *Designing and Constructing Military Construction Projects* (ref (c)). In compliance with the AFI, all facility designs must conform to the standards outlined and specified in the AFCFS, and if there is an applicable Installation Facilities Standards (IFS) document, the project must conform to those standards as well.

This Standard Design was developed in close coordination with the facility's functional users to by determine personnel counts, allowable/authorized space/room sizes, adjacency diagrams between the functional spaces and the overall facility space requirements. It also addresses special requirements unique to this facility type. Use this Standard Design in conjunction with other AF policy and regulations such as AFI's, and UFC's when programming and designing this facility type.

1.2.B. Integration with Air Force Corporate and Installation Facility Standards

The Air Force Corporate Facilities Standards (AFCFS), is an enterprise-wide program of facility standards establishing an acceptable level of quality and performance for facility design, facility operations and ongoing building maintenance. The AFCFS provides an exciting direction forward; intended to create sustainable installations and cohesive, efficient, High Performance and Sustainable Buildings throughout the Air Force.

Installation Facilities Standards (IFS) are part of the Air Force Corporate Facilities Standards (AFCFS) program to assist bases in implementing facilities standards at the local level. Bases develop and maintain an IFS, which replaces the Architectural Compatibility Plan, as a component plan of the Installation Development Plan (IDP).

Programmers and designers for Military Working Dog Facilities must use this Standard Design to ensure the specific functional, spatial, and special requirements are met, meet the local requirements established by the IFS, and the overall Air Force requirements set forth in the AFCFS.

1.3 APPLICABILITY

This Standard Design provides requirements for evaluating, planning, programming, and designing a Military Working Dog Facility that supports the mission, is appropriately sized, flexible, durable, and life-cycle cost efficient. The information in this Standard Design applies to the design of all new construction projects, to include additions, alterations, and renovation projects worldwide. It also applies to the procurement of Design Build services for the above-noted projects. Alteration and renovation projects should update existing facilities to meet the guidance and criteria within budgetary constraints.

The facility size is dependent on the quantity of animals supported as well as number of administrative personnel. Use the Interactive Programming Worksheet to assist in these adjustments.

1.3. A. Additions and Alterations

For additions and alterations to existing facilities, use the adjacencies, sizing/scope and detailed requirements contained in the site diagrams, module drawings, and room data sheets to the maximum extent possible. The functionality and adjacency of the modules are still valid, but may require some manipulation to fit into existing spaces. This standard may be modified slightly to accommodate the existing structure. Remove non-structural walls to the greatest extent possible to open up space in the existing facilities to make them more receptive to the placement of the modules. The planner and designer must determine the most efficient means to balance the placement of modules within existing spaces or as a facility addition.

CHAPTER 2 FACILITY DESIGN

2.1 FACILITY DESCRIPTION

2.1.A. Function

The primary function of this Military Working Dog Facility is to provide a facility that fully supports the mission with a flexible state-of-the-art building. The facility supports weapons systems and communications technology within a standalone facility. The facility is comprised of Dog Kennel, Dog Training/Support and Administrative/Support areas. Military Working Dog Facilities will consist of but are not limited to grouped rooms or “Modules”. The modules needed for this facility are as follows (included rooms are noted below module title):

Area Modules

- Administration Area
 - Kennel Master w/ Closet
 - Trainers
 - Handlers
 - Storage

- Special Use
 - Tack Room
 - Food Storage
 - Food Preparation
 - Exam Room
 - Surgery

- Common Use / Support
 - TA-50 Lockers
 - Multi-Purpose
 - Storage

- Kennel
 - Dog House
 - Interior Kennel
 - Exterior Kennel

- Toilet, Shower, Locker
 - Men’s Toilet, Shower, Locker
 - Women’s Toilet, Shower, Locker
 - Janitor

- Building Support
 - Mechanical
 - Electrical
 - Telecommunications

- Outdoor Support
 - Outdoor Storage
 - Dog Break Area
 - Optional Portable Explosive Storage
 - Obedience Course

AFCFS: Consult the Air Force Corporate Facilities Standards (AFCFS) to determine quality standards for this facility group. This standard facility prototype is considered a Group 3 hierarchy.

2.1.B. Typical Users

This facility is operated by active duty, guard, and reserve military personnel as well as civilian contractor representatives of the systems providers as well as USAF Civilian Federal Workforce.

Hours of operation for this facility type are user driven and vary with up to approximately 15 personnel per location.

2.1.C. Related AFMAN 32-1084 Category Code

The related AFMAN 32-1084 Category Codes are as follows: This facility would be governed by Chapter 3, Facility Class 2, Maintenance Facilities, Category Group 21, Maintenance Facilities and Chapter 6, Facility Class 6, Administrative, Category Group 61, Administrative and Administrative Support Spaces.

2.2 CRITERIA

APPLICABLE UNIFIED FACILITY CRITERIA

Comply with UFC 1-200-01, DoD Building Code (General Building Requirements). UFC 1-200-01 provides applicability of model building codes and government unique criteria for typical design disciplines and building systems, as well as for accessibility, antiterrorism, security, high performance and sustainability requirements, and safety. Use this Standard Design in addition to UFC 1-200-01 and the UFCs and government criteria referenced therein. UFC 1-200-01 references other “Core UFCs” that are applicable to this Standard Design as well as most all DoD facilities.

UFC 1-200-01	DoD Building Code (General Building Requirements)
UFC 1-200-02	High Performance and Sustainability Building Requirements
UFC 1-300-07A	Design Build Technical Requirements

UFC 3-101-01	Architecture
UFC 3-110-03	Roofing
UFC 3-120-01	Design: Sign Standards
UFC 3-120-10	Interior Design
UFC 3-190-06	Protective Coatings and Paints
UFC 3-201-01	Civil Engineering
UFC 3-201-02	Landscape Architecture
UFC 3-210-10	Low Impact Development
UFC 3-220-01	Geotechnical Engineering
UFC 3-230-01	Water Storage, Distribution, and Transmission
UFC 3-240-01	Wastewater Collection
UFC 3-250-01	Pavement Design for Roads and Parking Areas
UFC 3-250-03	Standard Practice Manual for Flexible Pavements
UFC 3-250-04	Standard Practice for Concrete Pavements
UFC 3-301-01	Design: Structural Engineering
UFC 3-400-02	Design: Engineering Weather Data
UFC 3-401-01	Mechanical Engineering
UFC 3-410-01	Heating, Ventilation, and Air Conditioning Systems
UFC 3-410-02	Lonworks Direct Digital Control for HVAC and Other Local Building Systems
UFC 3-420-01	Plumbing Systems
UFC 3-450-01	Noise and Vibration Control
UFC 3-501-01	Electrical Engineering
UFC 3-520-01	Interior Electrical Systems,
UFC 3-530-01	Design: Interior and Exterior Lighting and Controls,
UFC 3-550-01	Exterior Electrical Power Distribution
UFC 3-570-01	Cathodic Protection
UFC 3-575-01	Lightning and Static Electricity Protection Systems

UFC 3-580-01	Telecommunications Building Cabling Systems Planning and Design
UFC 3-600-01	Fire Protection Engineering for Facilities
UFC 4-010-01	DoD Minimum Antiterrorism Standards for Buildings
UFC 4-010-05	Sensitive Compartmented Information Facilities Planning, Design, and Construction.
UFC 4-020-01	Security Engineering Facilities Planning Manual
UFC 4-021-01	Design and O&M: Mass Notification Systems
UFC 4-010-06	Cybersecurity of Facility-Related Control Systems
UFC 4-022-03	Security Fences and Gates
UFC 4-023-03	Design of Buildings to Resist Progressive Collapse
USGBC LEED-NC	LEED for New Construction and Major Renovations Rating System (U.S. Green Building Council)

2.2.A. Sustainability

Comply with the Federal sustainability requirements as detailed in UFC 1-200-02, High Performance and Sustainable Building Requirements. Determine third-party certification requirements based on Table 1-1 of UFC 1-200-02 and current AF guidance at <https://www.wbdg.org/ffc/af-afcec>.

2.2.B. Security and Antiterrorism

The facility must meet, UFC 4-020-01 Security Engineering Facilities Planning Manual, UFC 04-010-01 DoD Minimum Antiterrorism Standards for Buildings, Change 1, UFC 4-010-05 Sensitive Compartmented Information Facilities Planning, Design, and Construction and ICD/ICS 705 Technical Specifications for Construction and Management of Sensitive Compartmented Information Facilities. When necessary, internal security measures will include designated 'non-secure' and 'secure' areas within the building with access to secure areas controlled and monitored by special access hardware, Intrusion Detection Systems and Closed-Circuit Television Systems (CCTV). Exterior security measures will include antiterrorism stand-off distances for parking, controlled vehicular circulation, appropriately located trash enclosures, clear space surrounding the facility, and the single point of building entry.

2.3 NOTIONAL SITE

2.3.A. Site Location, Orientation and Adjacencies

The notional site plan diagram demonstrates key site development criteria. It is not a site-specific solution. The information represents the land requirements to construct this facility and includes associated AT standoff and parking. Additional land may be needed to comply with the stormwater management requirements of UFC 3-210-10 Low Impact Development. Utilization of existing or shared parking is allowable and may reduce the total acreage required for the facility. Adapt the requirements to the specific site and location and comply with the applicable Installation Development Plan (IDP) and Area Development Plan (ADP) for facility siting.

Several factors determine the most appropriate and cost-effective location for a facility. The availability and capacity of required utilities and the mass/scale of the facility relative to adjacent structures and noise issues must be analyzed.

Emphasis must be placed on operation, function, and safety when siting the facility. Consider surrounding area noise will affect the Military Working Dog rest and also active dog noise during or between training could create a distraction for people working in the area. The preferred location for this facility is away from runways, taxiways, small arms ranges or any other areas where the time weighted overall sound pressure level for any 24 hour period exceeds 75 adjusted decibels. Also avoid any low-lying areas that could lead to infestations of mosquitos, ticks, rodents and other external parasites. Analyze and comply with clearances, building setback restrictions, and line of sight restrictions. If unavoidable, incorporate visual and noise barriers such as berms/ screen walls to mitigate any potential distractions.

The approximate project area required for the Military Working Dog Facility is 1.5 acres, which includes antiterrorism/force protection standoff and parking. Utilization of existing or shared parking is allowable and may reduce the total acreage required for the facility.

2.3.B. Parking

Parking will be as required by the programming documents, but at a minimum must be provided to accommodate 40 percent of the largest shift of assigned personnel.

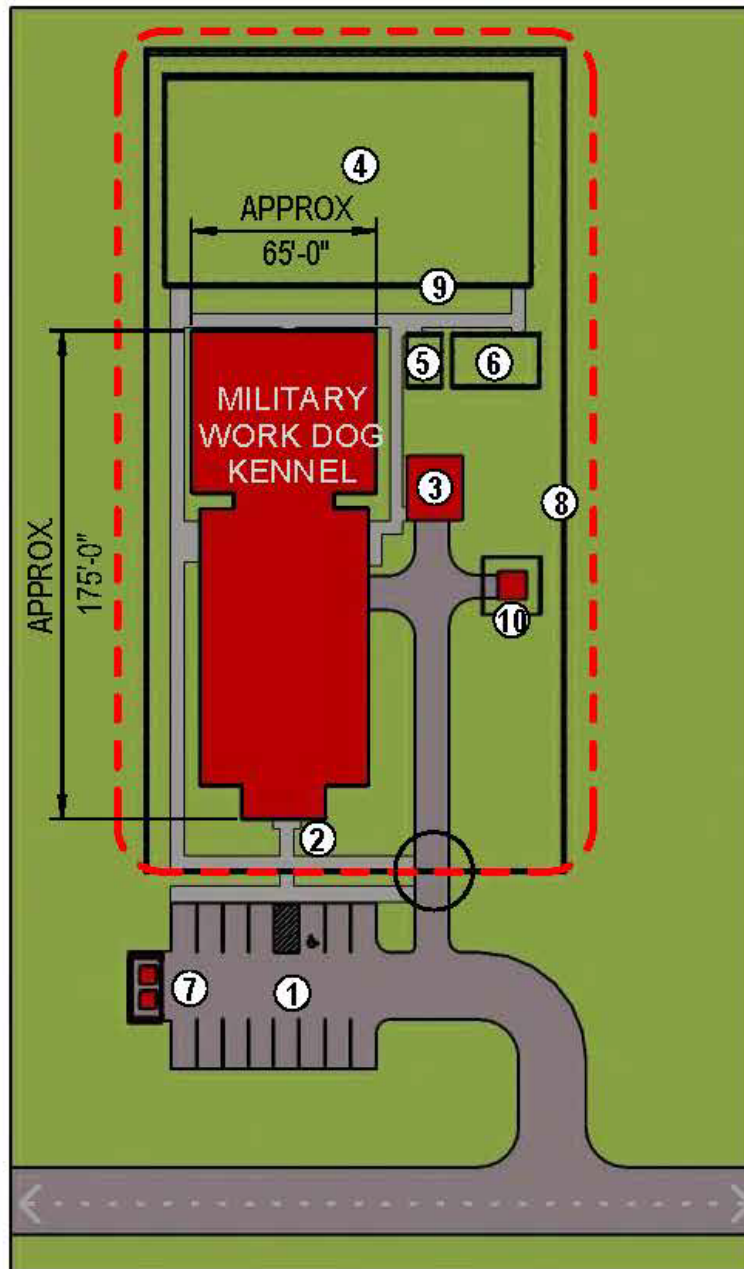
2.3.C. Vehicular and Pedestrian Circulation

Convenient and safe vehicular access and circulation must be provided for personal vehicles and essential services, including operations, maintenance, deliveries, dumpster /recycling collection, and emergency services.

Locate sidewalk networks to provide convenient and safe pedestrian circulation from existing circulation elements of the project site to the new parking areas and doors of the facility. Sidewalk width must accommodate maintenance and emergency services requirements.

2.3.D. Notional Site Plan

See Next Page for Image



NOTES:

- ① POV PARKING LOT
- ② PRIMARY BUILDING ENTRY
- ③ EXTERIOR STORAGE
- ④ OBEDIENCE COURSE
- ⑤ MWD BREAK AREA
- ⑥ OPTIONAL MWD EXERCISE AREA
- ⑦ DUMPSTER ENCLOSURE
- ⑧ SECURITY FENCE
- ⑨ IN-RIGGER FENCE
- ⑩ OPTIONAL EXPLOSIVES STORAGE
(SITED BY LOCAL BASE RESTRICTIONS)

LEGEND:

- - - CONCEPTUAL AT SETBACK
(REFERENCE UFC 4-010-01)
- < - - - > ACCESS STREET
- CONTROLLED VEHICLE ACCESS

2.4 BUILDING DESIGN

2.4.A. General Considerations

General considerations of the facility design are centered on:

- The Kennel and the associated Administration areas based on the number of dogs to be trained and required trainers / handlers.
- The functional relationships between the modules as well as within the modules
- The general personnel flow requirements within the facility.

Daily shift personnel enter the facility from the administrative side of the building and continue to the Support or Kennel areas of the building as needed.

The Building Support Module needs exterior access. The outdoor support spaces need to be located with proximity to the facility as well as the obedience course.

Other general considerations include:

- Mitigating Noise and Smell from Kennel Areas.
- Obedience Course
- Site Limitations

2.4.B. Building Configuration

The building should be configured for future expansion or reconfiguration. The general size of the building is based on the number, type and/or size of the primary module(s) required for this type of facility. The general configuration of the building is a linear type configuration with the Administrative/Support located at the entrance of the facility with support areas located at the back end of the facility. The size of the following module is affected by the quantity of animals supported:

- Kennel

2.4.C. Interior/Exterior Relationships

The Military Dog Facility will have access to POV and Visitor parking. There will be a single point of entry to facility with support spaces on opposite sides of the facility corridor.

2.4.D. Functional Area Requirements

Facility Modules Adjacency Diagrams & Conceptual Axonometric Layout(s)

The composite diagram(s) represent ways to conceptually assemble the functional areas (modules) into a cohesive whole. Individual modules are represented by different colors.

Spaces and rooms that are integrally related with a specific functional connection or operational flow are grouped into a module. Modules and the associated room data sheets identify specific criteria and additional detail for each functional area of the

facility as outlined in the Interactive Programming Sheet located at the end of the document.

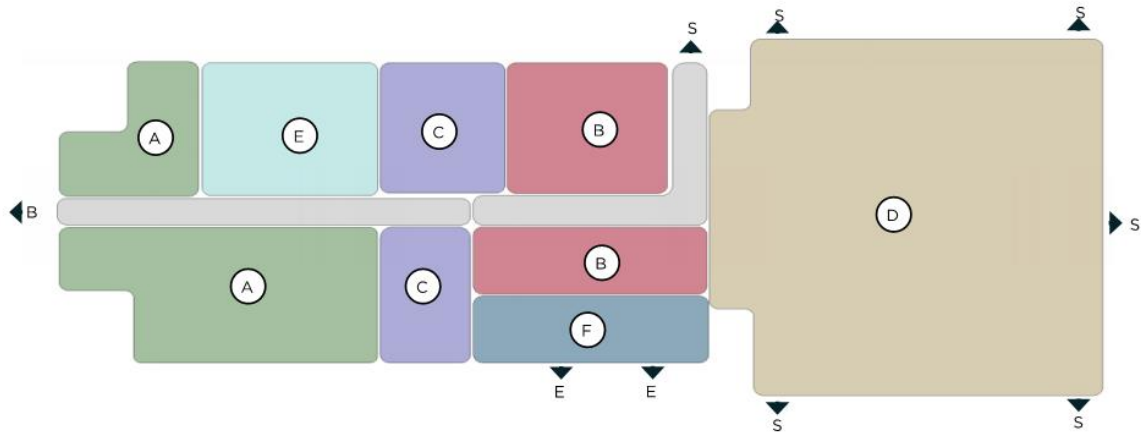
The modules are a grouping of functional spaces and represent “Lego blocks” to be used in a “kit-of-parts” design approach. Use the fixed modules as pre-assembled pieces of the facility “puzzle”. Assemble them to comply with the required adjacencies indicated in the diagrams and module plans.

Modules must be used as shown in this Standard Design to the greatest extent possible and must not be deconstructed or altered except as indicated herein. The intent of the Standard Design criteria is to avoid manipulation of the composition, functional relationships, adjacencies, and module sizes. Modules contain fixed attributes and must not be changed arbitrarily. Modules may be rotated, flipped, and/or mirrored to accommodate an overall composition or site issue, but this must not be done arbitrarily and should occur only when necessary.

Some modules are linked to space requirements that increase or decrease in size based on the personnel count and equipment for a particular mission. In these cases, increase or decrease the size of the module to match the revised scope calculation. This may sometimes require minor adjustments in other adjacent modules so that they properly fit together to create a constructible facility floor plan. Spaces must comply with any critical dimensions indicated on module plans. Manipulate as few modules as possible to create a constructible facility. The resulting composite plan must respect the established modules adjacencies and must not exceed the authorized project scope.

Functional Adjacency Diagram

The following Functional Adjacency Diagram forms the basis of design for the Military Working Dog Facility Standard Design. The Facility is programmed around the Kennel Area which is located at the ‘back’ end of the facility with support spaces that include the exam room, surgery room, food storage and preparation and tack room. The Administration, Common Use and Toilet/Shower/Locker Modules, are located at the front end of the facility. This Facility Adjacency Diagram as well as the modules is the Air Force approved Standard Design.



- (A) ADMINISTRATION
- (B) SPECIAL USE
- (C) COMMON USE / SUPPORT
- (D) KENNEL
- (E) TOILET , SHOWER, LOCKER
- (F) BUILDING SUPPORT
- (G) OUTDOOR SUPPORT

- PRIMARY ADJACENCY
- PROXIMITY
- ←→ DIRECT ACCESS
- > DIRECT VIEW
- ▭ ENCLOSED AREA
- ▶ **ENTRY / EXIT**
- B - BUILDING ENTRY
- E - EQUIPMENT / SERVICE ENTRY
- P - PERSONNEL ENTRY
- S - SECONDARY ENTRY

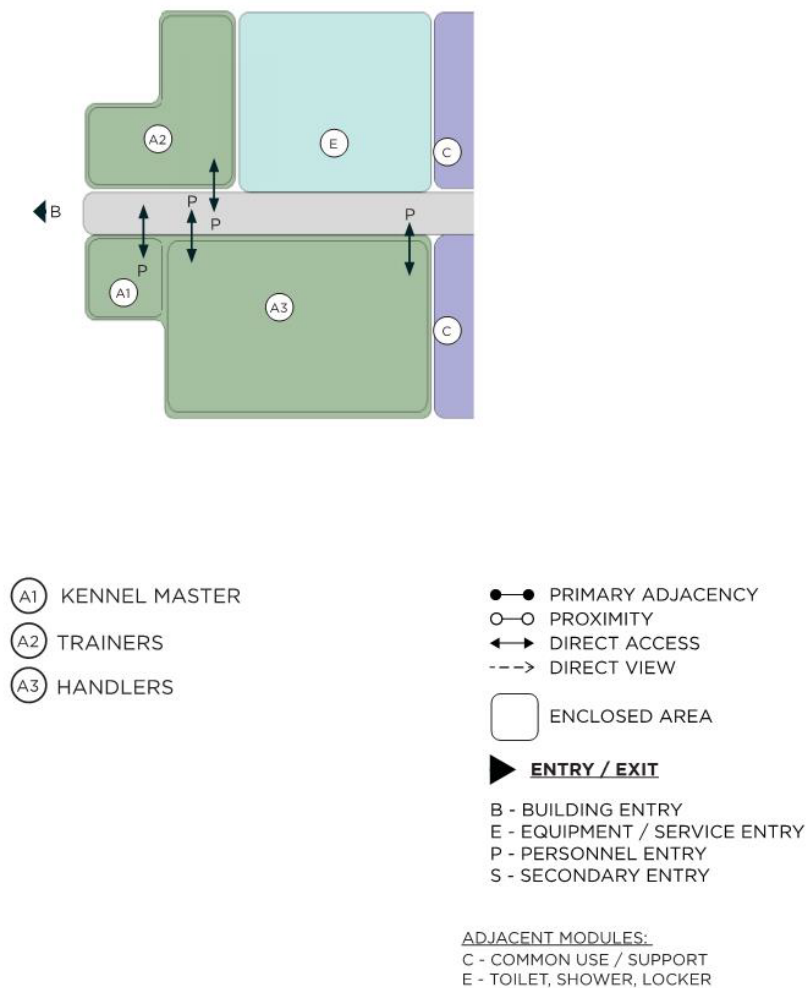
DRAWINGS NOT TO SCALE

MODULE A – ADMINISTRATION MODULE

Function and Adjacency

The Administration Module consists of a Kennel Master Office, Handler Office, and Trainer Office. This module is intended to be the primary entrance for the facility and supports all administrative purposes for the facility.

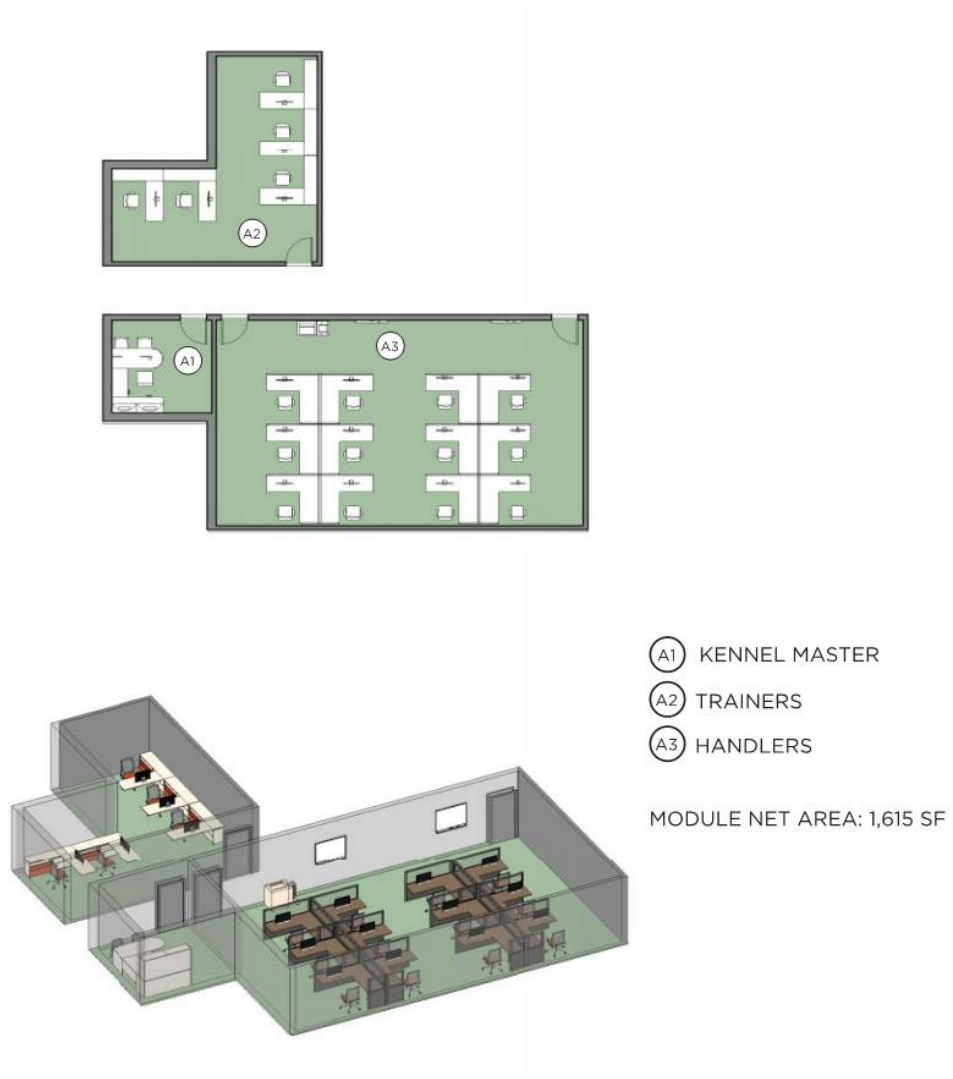
Figure 2-A.1 Module A Adjacency Diagram



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Administration

Figure 2-A.2 Module A Floor Plan & Axonometric



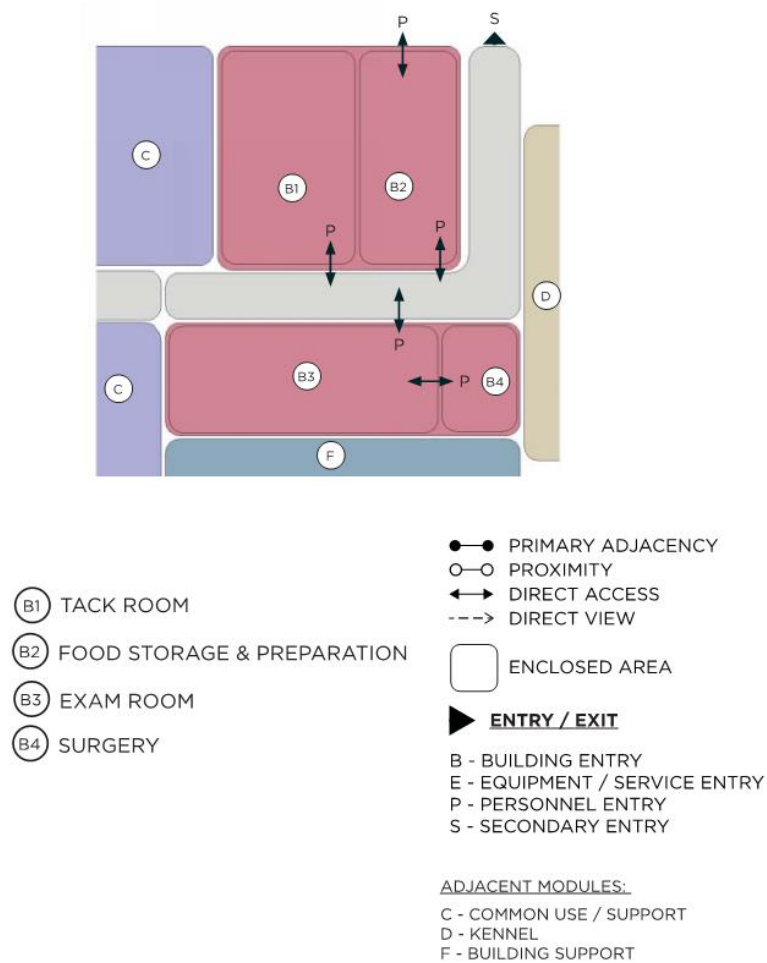
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MODULE B – SPECIAL USE

Function and Adjacency

The Special Use Module includes the Food Storage / Food Preparation Room, Tack Room, Exam Room and Surgery Room. The Food Storage/ Preparation room should be located near the Kennel area and have an exterior entry. The tack room is a storage area for staff training equipment and should also be located near the kennel area. The Exam Room Module includes an exam room and an isolation kennel space for sick dogs. The exam room and surgery room should be located with proximity to the kennel area and to the food storage / preparation areas.

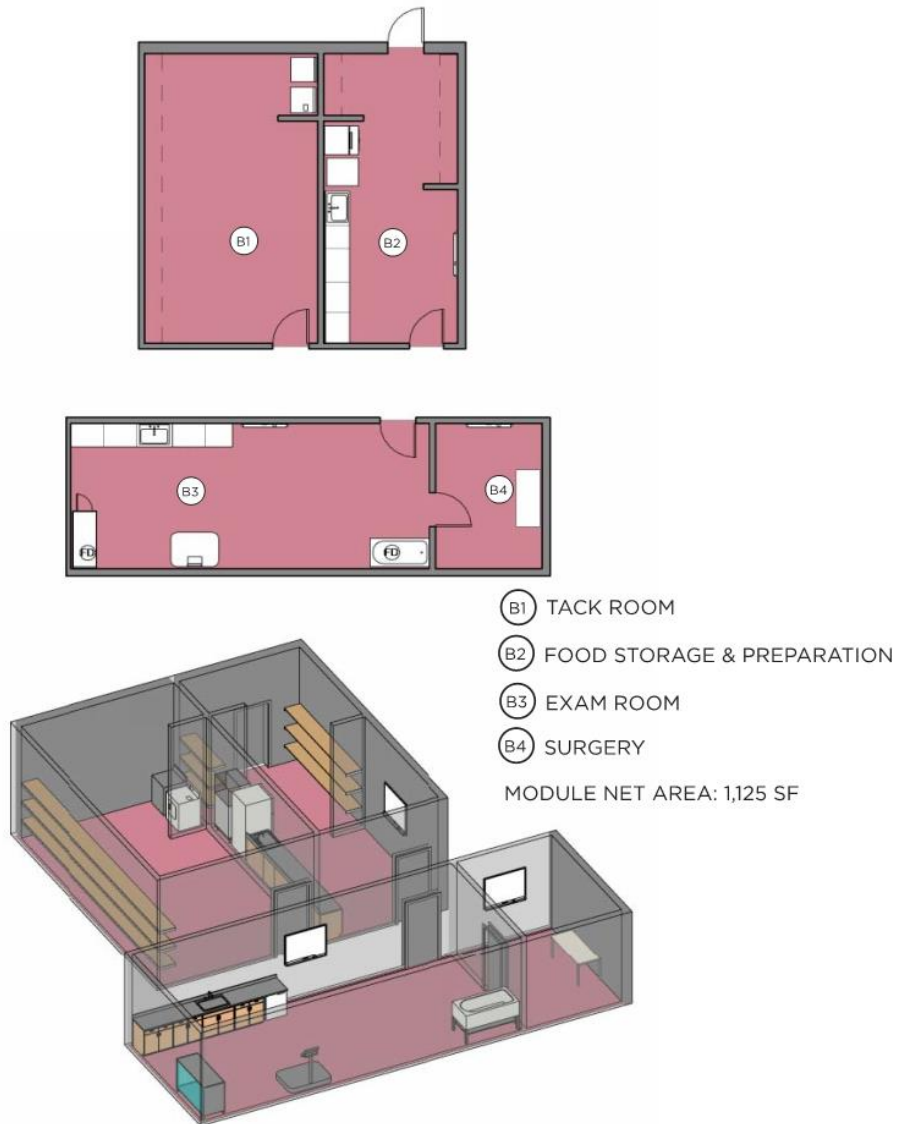
Figure 2-B.1 Module B Adjacency Diagram



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Special Use

Figure 2-B.2 Module B Floor Plan & Axonometric



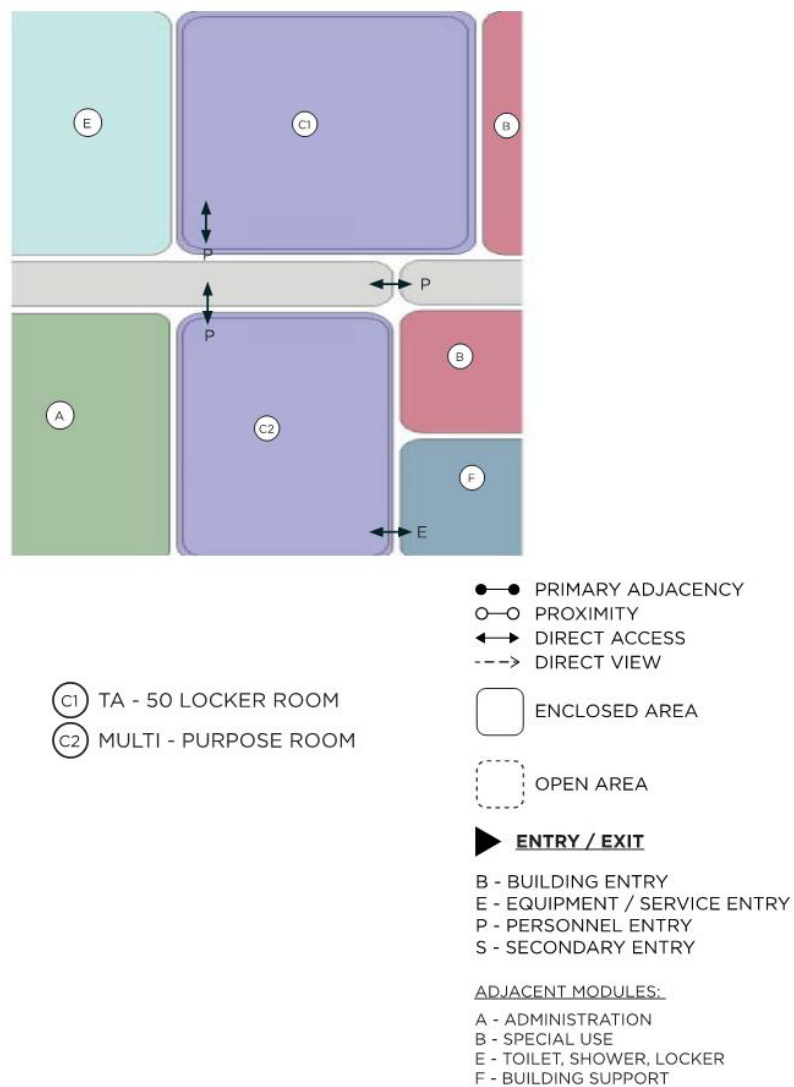
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MODULE C – COMMON USE / SUPPORT

Function and Adjacency

The Common Use/Support Module includes the TA-50 Locker Room and the Multi-Purpose Room. The TA – 50 locker room should be sized to accommodate lockers for all staff / personnel in the facility. The Multi-purpose room can serve as a combination conference room, classroom and break room. A recycling area is required in this room.

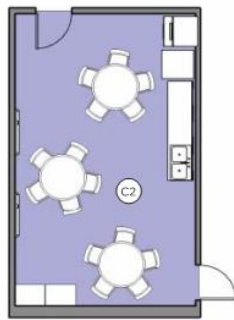
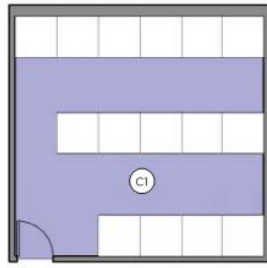
Figure 2-C.1 Module C Adjacency Diagram



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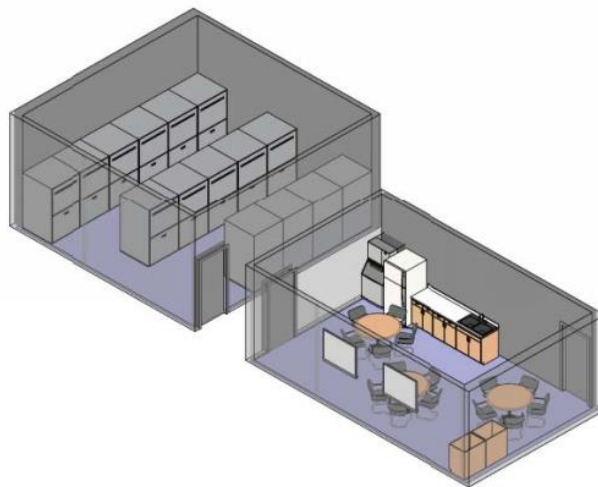
Common Use / Support

Figure 2-C.2 Module C Floor Plan & Axonometric



- (C1) TA - 50 LOCKER ROOM
- (C2) MULTI - PURPOSE ROOM

MODULE NET AREA: 925 SF



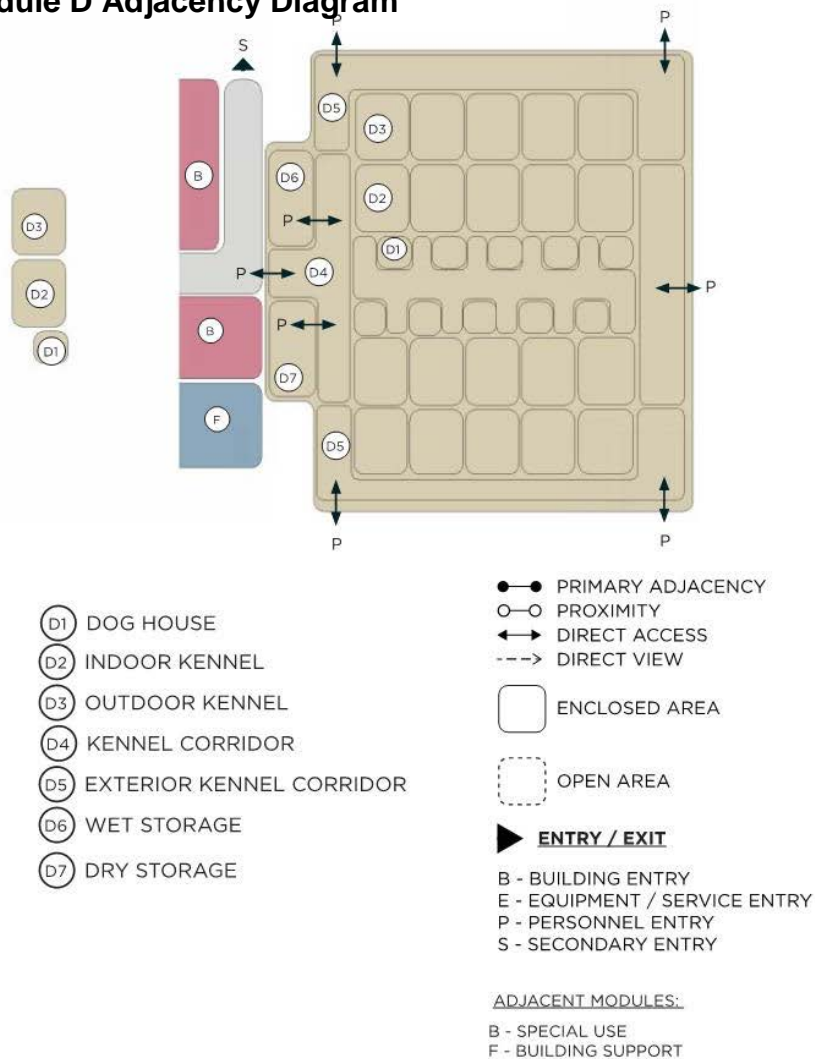
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MODULE D – KENNEL

Function and Adjacency

The Kennel Module is the area where dogs will be housed when not in training or on duty. This module can be modified or scaled based on the training, quantity of dogs and housing requirements of each base location. The conceptual basis of design kennel area will include a Dog House, Interior Kennel and Exterior Kennel, Interior & Exterior corridor (“Dog Run”) as well as a dry storage room and wet storage room. This module must be located at the ‘back’ end of the facility. Kennel variations can include either an attached or detached layout that may or may not include a dog house or exterior kennel. Additionally, the layout can be arranged in either a double loaded or single loaded organization. When siting allows, the detached layout should be located a minimum distance of 20’-0” from the primary facility to help mitigate the impact of noise and odors.

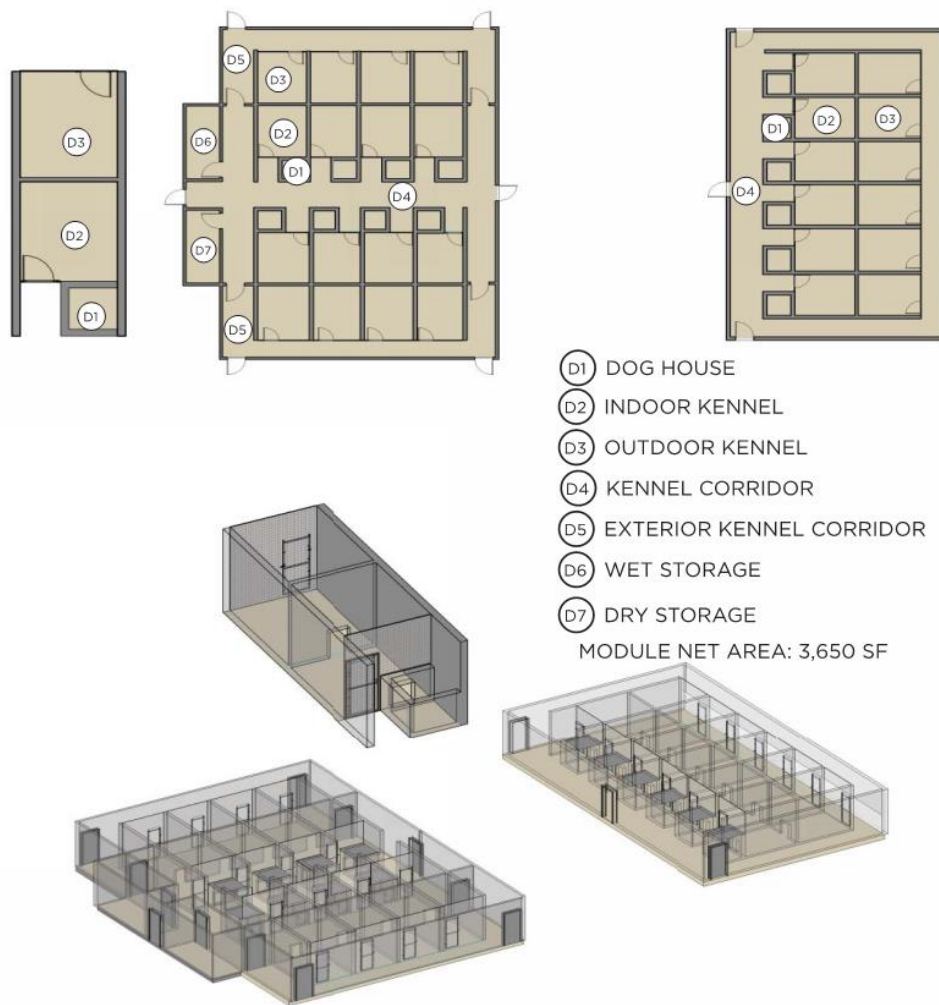
Figure 2-D.1 Module D Adjacency Diagram



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Kennel

Figure 2-D.2 Module D Floor Plan & Axonometric



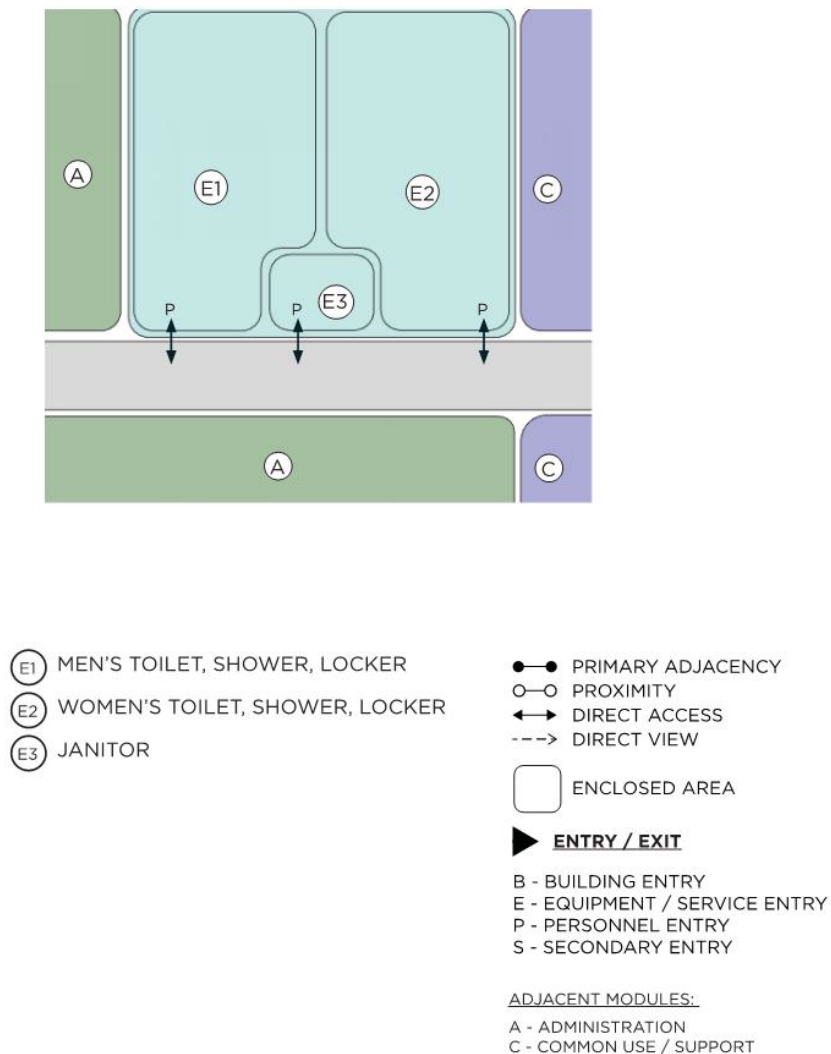
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MODULE E- TOILET, SHOWER, LOCKER

Function and Adjacency

The Toilet Module consists of a male toilet room, a female toilet room and janitor room. This module should be located near the administrative module and near the front of the facility. Each toilet room will include a toilet, shower with locker area, and a janitor's closet. The plumbing fixture count in the Standard design plan is approximate and actual plumbing fixture count shall be as required per actual occupancy count and as required in International Plumbing Codes, latest edition, Chapter 29.

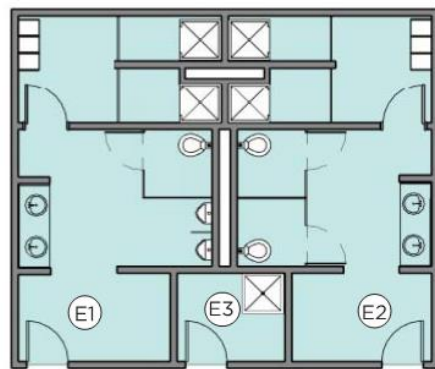
Figure 2-E.1 Module E Adjacency Diagram



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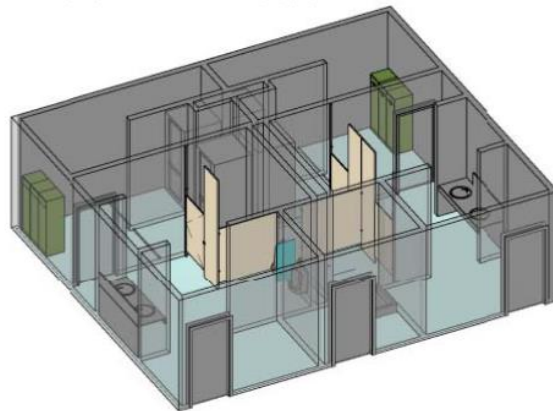
Toilet, Shower, Locker

Figure 2-E.2 Module E Floor Plan & Axonometric



- ⓔ1 MEN'S TOILET, SHOWER, LOCKER
- ⓔ2 WOMEN'S TOILET, SHOWER, LOCKER
- ⓔ3 JANITOR

MODULE NET AREA: 685 SF



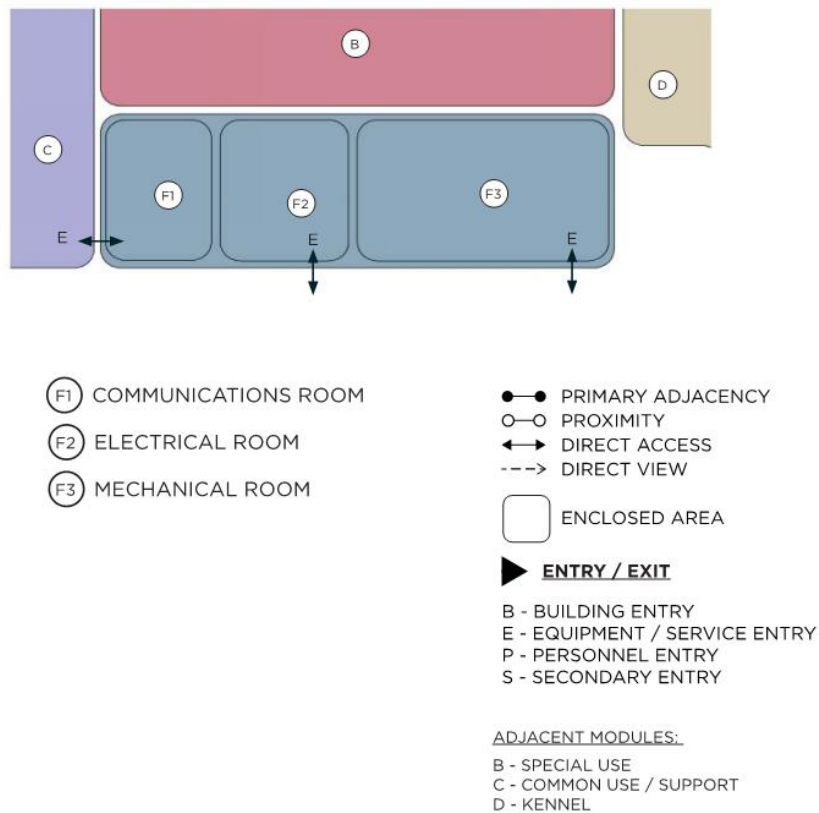
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MODULE F – BUILDING SUPPORT

Function and Adjacency

The Building Support Module consists of a mechanical room, electrical room, and communications room. All rooms will have exterior access (with the exception of the communications room, which may have interior access). These modules will be located on the exterior wall adjacent to the utility courtyard and accessible for maintenance.

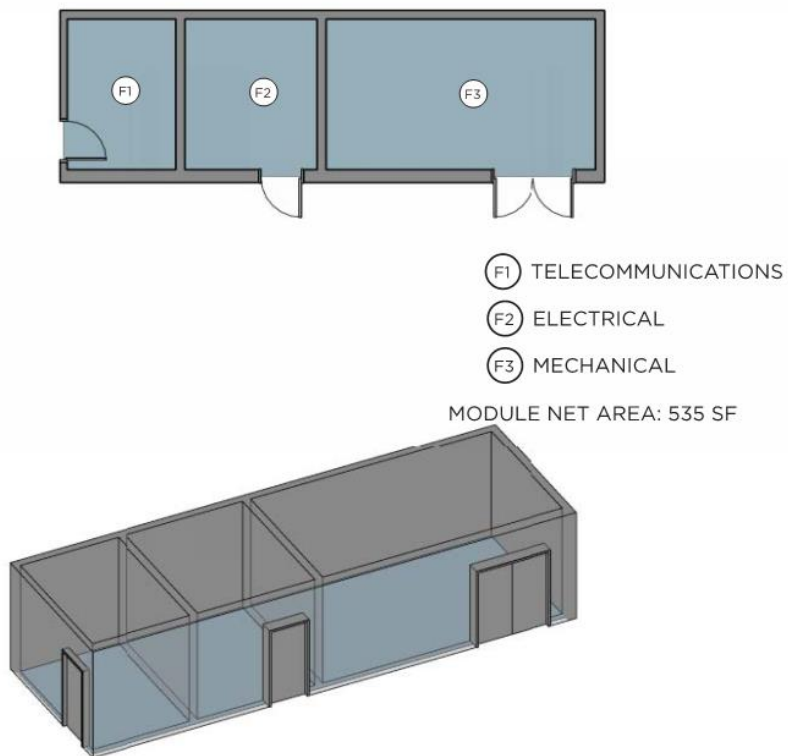
Figure 2-F.1 Module F Adjacency Diagram



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Building Support

Figure 2-F.2 Module F Floor Plan & Axonometric



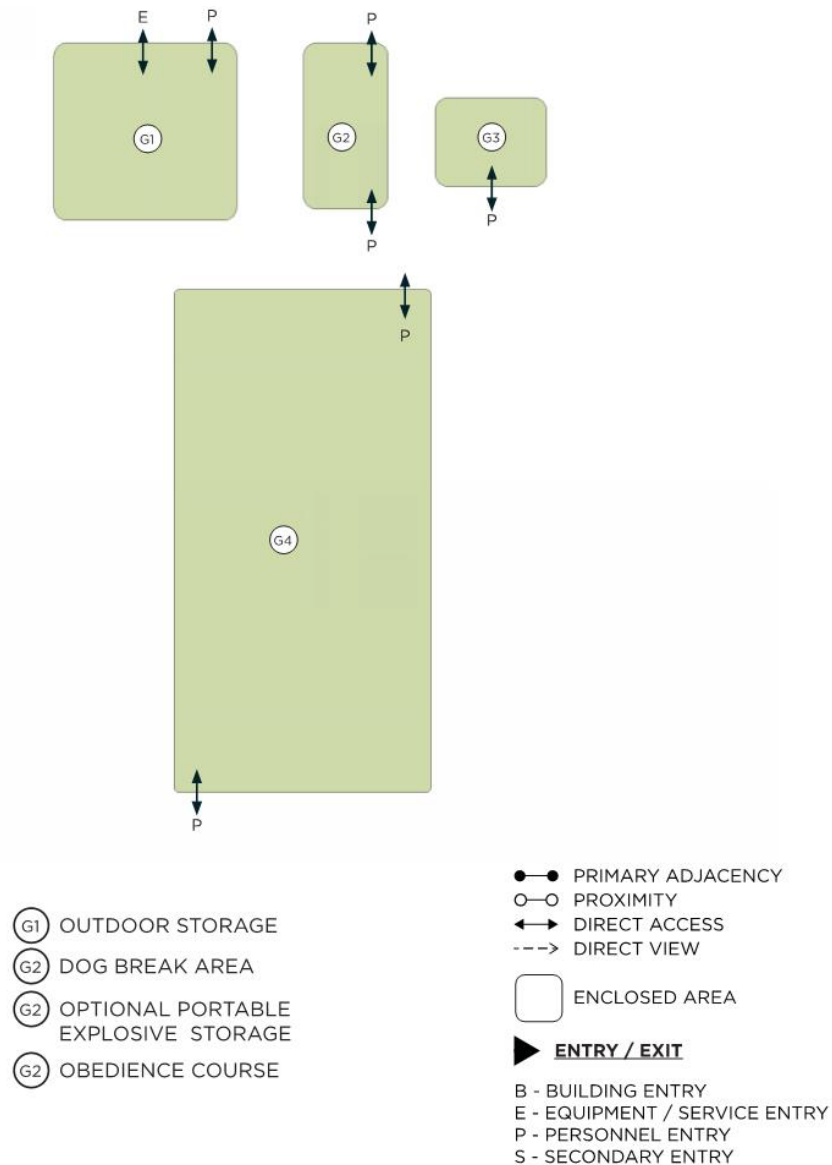
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MODULE G – OUTDOOR SUPPORT

Function and Adjacency

The Outdoor Support Module includes an outdoor storage area, dog break area, optional explosive storage area and the obedience course.

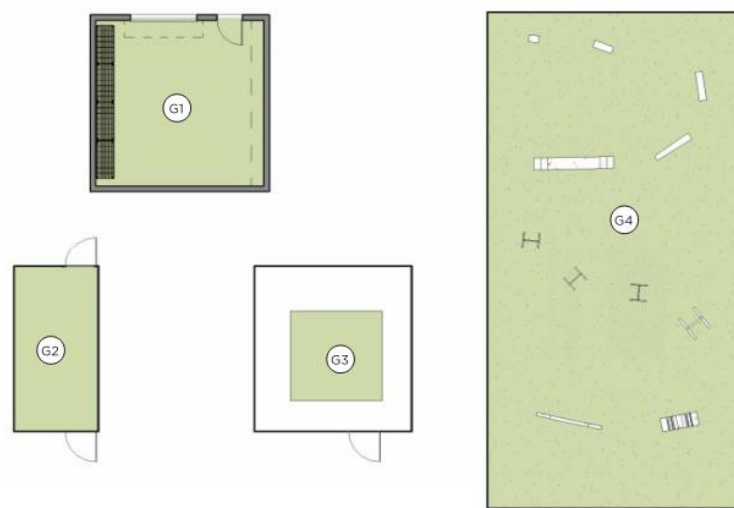
Figure 2-G.1 Module G Adjacency Diagram



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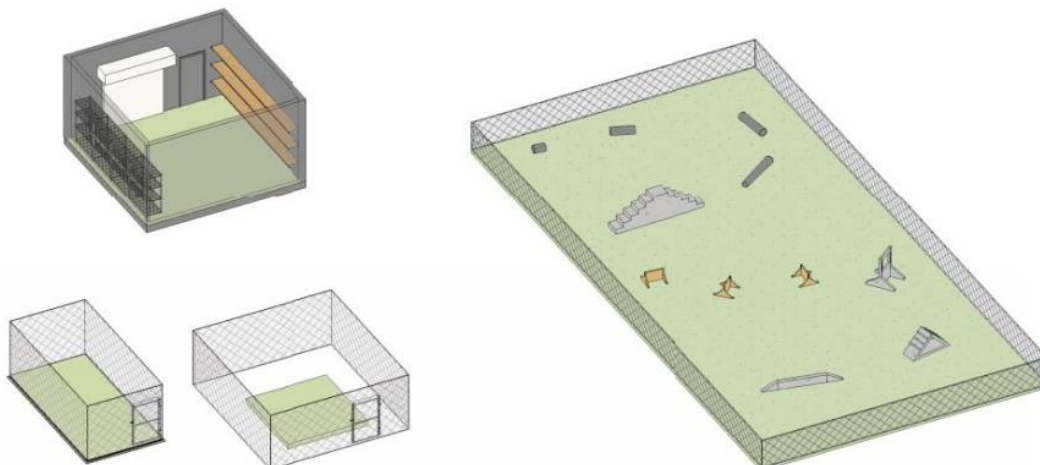
Outdoor Support

Figure 2-G.2 Module G Floor Plan & Axonometric



- (G1) OUTDOOR STORAGE
- (G2) DOG BREAK AREA
- (G2) OPTIONAL PORTABLE EXPLOSIVE STORAGE
- (G2) OBEDIENCE COURSE

MODULE NET AREA: 11,965 SF



DRAWINGS NOT TO SCALE

2.4.E. Room Data Sheets

Specific requirements for each room, space, or area are provided on room data sheets that correspond to their respective color-coded Modules, basis of design Functional Adjacency Diagram as well as the Interactive Programming Worksheet. Information contained on the data sheets defines the functional and physical requirements for each of the spaces within the facility type and are generally minimum requirements and must be modified as required for specific unique situations/scenarios as deemed appropriate by the USAF.

Figure 2-A.3.1 Kennel Master Room Data Sheet

INDEX		A1
Description/Usage		The kennel master office serves as the nerve center for the complex. The kennel master maintains kennels, ensures MWDs are properly cared for, and handlers are knowledgeable of responsibilities. Ideally the office should be located at the front of the administrative area with exterior windows that view the entry gate to the complex. This office requires a secure closet within the space.
Ceiling Height		9'-0" minimum
Windows		Exterior – Aluminum framed, insulated fixed, blast resistant; Meeting daylighting requirements of UFC 1-200-02
Doors	Type	Hollow metal, 3' x 7'
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	View panels, 5" x 20" Kick plates on both sides of doors
Finishes	Walls	Gypsum board - painted
	Floor	Sealed concrete, stained concrete, tile or carpet tile
	Base	Resilient or tile
	Ceiling	Acoustical Ceiling Tile
Plumbing		N/A
HVAC		Heating, ventilation, air conditioning
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	One per desk
	Data	NIPR
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		Lockable closet for storage of supplies. Desk, chair, visitor seating (two), four drawer file cabinet, and bookcase. Computer, printer, fax/copier
Special Requirements		N/A

Figure 2-A.3.2 Trainer Room Data Sheet		
INDEX		A2
Description/Usage		Open office with 5 workstations. Trainers conduct patrol and explosive/narcotic detection training including training on the obstacle course.
Ceiling Height		9'-0" minimum
Windows		Exterior – Aluminum framed, insulated fixed, blast resistant; Meeting daylighting requirements of UFC 1-200-02
Doors	Type	Hollow metal, 3' x 7'
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	View panels, 5" x 20" Kick plates on both sides of doors
Finishes	Walls	Gypsum board - painted
	Floor	Sealed concrete, stained concrete, tile or carpet tile
	Base	Resilient or tile
	Ceiling	Acoustical Ceiling Tile
Plumbing		N/A
HVAC		Heating, ventilation, air conditioning
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	One per desk
	Data	NIPR
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		Five (5) workstations; Desk, chair, four drawer file cabinet for each trainer, and a common bookcase. Computer, printer, copier and one 4 x 8-foot dry erase board.
Special Requirements		N/A

Figure 2-A.3.3 Handlers Room Data Sheet		
INDEX		A3
Description/Usage		Open office for minimum of 10 handlers with workstations and space for documentation storage.
Ceiling Height		9'-0" minimum
Windows		Exterior – Aluminum framed, insulated fixed, blast resistant; Meeting daylighting requirements of UFC 1-200-02
Doors	Type	Hollow metal, 3' x 7'
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	View panels, 5" x 20" Kick plates on both sides of doors
Finishes	Walls	Gypsum board - painted
	Floor	Sealed concrete, stained concrete, tile or carpet tile
	Base	Resilient or tile
	Ceiling	Acoustical Ceiling Tile
Plumbing		N/A
HVAC		Heating, ventilation, air conditioning
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	One per desk
	Data	NIPR
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		Ten (10) workstations, file cabinets. Computers and printer.
Special Requirements		N/A

Figure 2-B.3.1 Tack Room Data Sheet		
INDEX		B1
Description/Usage		The tack room is for storage of MWD equipment, such as body suits and portable kennels for transportation.
Ceiling Height		9'-0" minimum
Windows		N/A
Doors	Type	Hollow metal, 3'-0" x 7'-0" Counter shutter – 6' x 4', manually operated
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	View panels, 5" x 20" Kick plates on both sides of door
Finishes	Walls	Gypsum board - painted
	Floor	Sealed concrete, Stained concrete, tile
	Base	Resilient or tile
	Ceiling	Gypsum board – painted or exposed structure - painted
Plumbing		Sink
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	One per Room
	Data	NIPR
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		N/A
Special Requirements		Requirements include 12 linear feet of 36 in by 18 in by 36 in deep shelves, a 24 in hanging space with hooks and 6 linear feet of 18 in by 18 in by 12 in shelves.

Figure 2-B.3.2 Food Storage & Preparation Room Data Sheet		
INDEX		B2
Description/Usage		The food storage room is for bulk storage of normally a 30-day supply of food for the dogs. Also working/ preparation space for food for dogs.
Ceiling Height		9'-0" minimum
Windows		No Windows Required
Doors	Type	Hollow metal, pair 3' x 7'
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	No view panels Kick plates both sides of door
Finishes	Walls	CMU or gypsum board - painted
	Floor	Sealer hardener
	Base	Resilient
	Ceiling	Exposed structure - painted
Plumbing		
HVAC		Heating and ventilation. Exhaust directly outdoors through roof.
Fire Protection / Life Safety		Wet pipe sprinkler
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	One per Room
	Data	NIPR
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		N/A
Furnishings / Equipment / Casework		N/A
Special Requirements		Temperature and humidity control equivalent to the office area are required in this room to control food spoilage. Countertop, base and wall cabinets for food storage and preparation.

Figure 2-B.3.3 Exam Room Data Sheet		
INDEX		B3
Description/Usage		Room for dog treatment and exams. Also for quarantine of sick dogs or recovery area.
Ceiling Height		9'-0" minimum
Windows		No Windows Permitted
Doors	Type	Hollow metal, 3'x7'
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	No view panels Kick Plates both sides of door
Finishes	Walls	Gypsum board - painted, ceramic tile
	Floor	Porcelain tile or quartz epoxy
	Base	Porcelain tile or quartz epoxy
	Ceiling	Gypsum board - painted
Plumbing		Floor drain
HVAC		Heating, ventilation, air conditioning. Exhaust directly outdoors.
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	One per Room
	Data	NIPR
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		Ceiling Mounted Exam room Light, Walk on Platform Scale, Stationary Exam table
Special Requirements		Water resistant gypsum board throughout.

Figure 2-B.3.4 Surgery Room Data Sheet		
INDEX		B4
Description/Usage		Room for dog medical procedures and operations
Ceiling Height		9'-0" minimum
Windows		No Windows Permitted
Doors	Type	Hollow metal, 3'x7'
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	No view panels Kick Plates both sides of door
Finishes	Walls	Gypsum board - painted, ceramic tile
	Floor	Porcelain tile or quartz epoxy
	Base	Porcelain tile or quartz epoxy
	Ceiling	Gypsum board - painted
Plumbing		Floor drain
HVAC		Heating, ventilation, air conditioning. Exhaust directly outdoors.
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	One per Room
	Data	NIPR
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		Stationary Exam Table, Exam room Light
Special Requirements		Water resistant gypsum board throughout.

Figure 2-C.3.1 TA – 50 Locker Room Data Sheet		
INDEX		C1
Description/Usage		Storage Locker area housing TA-50 Lockers for all facility personnel
Ceiling Height		9'-0" minimum
Windows		N/A
Doors	Type	Hollow metal, 3' - 7
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	View panels, 5" x 20" Kick plates on both sides of door
Finishes	Walls	Gypsum board - painted
	Floor	Sealed concrete, Stained concrete, tile
	Base	Resilient or tile
	Ceiling	Gypsum board – painted or exposed structure - painted
Plumbing		
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	One per Room
	Data	NIPR
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		15 TA-50 Lockers
Special Requirements		

Figure 2-C.3.2 Multi-Purpose Room Data Sheet		
INDEX		C2
Description/Usage		The multi-purpose rooms serves as a combination conference room, classroom and break room. While food preparation requirements are light, a countertop, base and wall cabinets for storage are required.
Ceiling Height		9'-0" minimum
Windows		N/A
Doors	Type	Hollow metal, 3'-0" x 7'-0"
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	View panels, 5" x 20" Kick plates on both sides of door
Finishes	Walls	Gypsum board - painted
	Floor	Sealed concrete, Stained concrete, tile
	Base	Resilient or tile
	Ceiling	Gypsum board – painted or exposed structure - painted
Plumbing		Sink
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		Furnishings include either a conference table for 15 or three five-person tables, chairs, bulletin board, and one 4 x 8-foot dry erase board. Equipment includes video projection system (ceiling mounted), projector screen, sink, microwave oven, and refrigerator.
Special Requirements		N/A

Figure 2-D.3.1 Dog House Room Data Sheet		
INDEX		D1
Description/Usage		Individual dog sleep or housing area
Ceiling Height		4'-0"
Windows		N/A
Doors	Type	Plexiglass or Metal Sliding Plate
	Security/ Hardware	
	View Panels/ Kick Plates	
Finishes	Walls	Sealed concrete
	Floor	Sealed concrete, 8" above Kennel floor sloped to opening for drainage
	Base	N/A
	Ceiling	Metal lid
Plumbing		Floor Drains
Fire Protection / Life Safety		
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		
Special Requirements		Water Proof Light Fixtures

Figure 2-D.3.2 Interior Kennel Room Data Sheet		
INDEX		D2
Description/Usage		Kennel area for dog
Ceiling Height		9'-0" minimum
Windows		N/A
Doors	Type	Guillotine type door accessing interior kennel (for dog use, Self -Latching entry gate with 180deg swing for trainer use
	Security/ Hardware	
	View Panels/ Kick Plates	
Finishes	Walls	Sealed concrete up to 6'-0" , Steel clad acoustical panels or heavy gage chain link fencing for remainder of wall height
	Floor	Sealed concrete or epoxy coating
	Base	N/A
	Ceiling	Steel clad acoustical panels
Plumbing		Floor Drains
Fire Protection / Life Safety		
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		
Special Requirements		Water Proof Light Fixtures

Figure 2-D.3.3 Exterior Kennel Room Data Sheet		
INDEX		D3
Description/Usage		Kennel area for dog with exterior access
Ceiling Height		9'-0" minimum
Windows		N/A
Doors	Type	Guillotine type door accessing interior kennel (for dog use, Self-Latching entry gate with 180deg swing for trainer use
	Security/ Hardware	
	View Panels/ Kick Plates	
Finishes	Walls	Sealed concrete up to 6'-0", Translucent wall panels heavy gage chain link fencing for remainder of wall height to provide natural light
	Floor	Sealed concrete or epoxy coating
	Base	N/A
	Ceiling	Steel clad acoustical panels
Plumbing		Floor Drains
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		
Special Requirements		Water Proof Light Fixtures

Figure 2-D.3.4 Kennel Corridor Room Data Sheet		
INDEX		D4
Description/Usage		Access / circulation area between dog kennels
Ceiling Height		9'-0" minimum
Windows		N/A
Doors	Type	Hollow metal, 3'-0" x 7'-0"
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	View panels, 5" x 20" Kick plates on both sides of door
Finishes	Walls	Sealed concrete
	Floor	Sealed concrete
	Base	N/A
	Ceiling	Metal lid
Plumbing		High Pressure Washer/ Hose Reels , Floor Drains
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		
Special Requirements		Water Proof Light Fixtures

Figure 2-D.3.5 Exterior Kennel Corridor Room Data Sheet		
INDEX		D5
Description/Usage		Access/Circulation area on exterior of Kennels
Ceiling Height		9'-0" minimum
Windows		N/A
Doors	Type	Hollow metal, 3'-0" x 7'-0"
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	View panels, 5" x 20" Kick plates on both sides of door
Finishes	Walls	Sealed concrete
	Floor	Sealed concrete
	Base	N/A
	Ceiling	Metal lid
Plumbing		High Pressure Washer/ Hose Reels , Floor Drains
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		
Special Requirements		Water Proof Light Fixtures

Figure 2-D.3.6 Wet Storage Room Data Sheet		
INDEX		D6
Description/Usage		Small closet/ storage space for wet kennel equipment
Ceiling Height		9'-0" minimum
Windows		N/A
Doors	Type	Hollow metal, 3'-0" x 7'-0"
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	View panels, 5" x 20" Kick plates on both sides of door
Finishes	Walls	Gypsum board - painted
	Floor	Sealed concrete, Stained concrete, tile
	Base	Resilient or tile
	Ceiling	Gypsum board – painted or exposed structure - painted
Plumbing		
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		
Special Requirements		Provide shelving and racks for storage

Figure 2-D.3.7 Dry Storage Room Data Sheet		
INDEX		D7
Description/Usage		Small closet/ storage space for dry kennel equipment
Ceiling Height		9'-0" minimum
Windows		N/A
Doors	Type	Hollow metal, 3'-0" x 7'-0"
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	View panels, 5" x 20" Kick plates on both sides of door
Finishes	Walls	Gypsum board - painted
	Floor	Sealed concrete, Stained concrete, tile
	Base	Resilient or tile
	Ceiling	Gypsum board – painted or exposed structure - painted
Plumbing		
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		
Special Requirements		Provide shelving and racks for storage

Figure 2-E.3.1 Men's Toilet , Shower, Locker Room Data Sheet		
INDEX		E1
Description/Usage		Men's toilet, locker, showers
Ceiling Height		9'-0" minimum
Windows		No Windows Permitted
Doors	Type	Hollow metal, 3'-0" x 7'-0"
	Security/ Hardware	Push-pull
	View Panels/ Kick Plates	No view panels Kick plates on both sides of doors
Finishes	Walls	Ceramic tile or quartz epoxy full height at wet walls, showers, gypsum board - painted
	Floor	Porcelain tile or quartz epoxy
	Base	Porcelain tile or quartz epoxy
	Ceiling	Gypsum board - painted
Plumbing		Water closets, urinals, lavatories, showers. Hot and cold water for fixtures. Floor drains in restroom and locker areas.
HVAC		Heating, ventilation, air conditioning. Exhaust directly outdoors.
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		N/A
Special Requirements		Water resistant gypsum board throughout.

Figure 2-E.3.2 Women's Toilet/Locker/Shower Room Data Sheet		
INDEX		E2
Description/Usage		Women's toilet, locker, showers
Ceiling Height		9'-0" minimum
Windows		No Windows Permitted
Doors	Type	Hollow metal, 3'-0" x 7'-0"
	Security/ Hardware	Push-pull
	View Panels/ Kick Plates	No view panels Kick plates on both sides of doors
Finishes	Walls	Ceramic tile or quartz epoxy full height at wet walls, showers, gypsum board - painted
	Floor	Porcelain tile or quartz epoxy
	Base	Porcelain tile or quartz epoxy
	Ceiling	Gypsum board - painted
Plumbing		Water closets, lavatories, showers. Hot and cold water for fixtures. Floor drains in restroom and locker areas.
HVAC		Heating, ventilation, air conditioning. Exhaust directly outdoors.
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		N/A
Special Requirements		Water resistant gypsum board throughout.

Figure 2-E.3-5 Janitor Room Data Sheet		
INDEX		E3
Description/Usage		Custodial room for general maintenance for facility
Ceiling Height		9'-0" minimum
Windows		No Windows Permitted
Doors	Type	Hollow metal, 3'-0" x 7'-0"
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	No view panels Kick Plates both sides of door
Finishes	Walls	Gypsum board - painted, ceramic tile at mop sink
	Floor	Porcelain tile or quartz epoxy
	Base	Porcelain tile or quartz epoxy
	Ceiling	Gypsum board - painted
Plumbing		Mop sink, floor drain
HVAC		Heating, ventilation, air conditioning. Exhaust directly outdoors.
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		N/A
Special Requirements		Water resistant gypsum board throughout.

Figure 2-F.3.1 Communications Room Data Sheet		
INDEX		F1
Description/Usage		Communications equipment
Ceiling Height		No ceiling, 9'-0" minimum clearance
Windows		No Windows Permitted
Doors	Type	Hollow metal, single 3'-0" x 7'-0"
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	No view panels Kick plates on both sides of door
Finishes	Walls	CMU - painted
	Floor	Sealed concrete
	Base	No base
	Ceiling	Exposed structure - painted
Plumbing		N/A
HVAC		Heating, ventilation and air conditioning. Dedicated unit required.
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	One per room
	Data	NIPR
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		N/A
Furnishings / Equipment / Casework		N/A
Special Requirements		N/A

Figure 2-F.3.2 Mechanical Room Data Sheet		
INDEX		F2
Description/Usage		Mechanical equipment
Ceiling Height		No ceiling, 9'-0" minimum clearance
Windows		No Windows Permitted
Doors	Type	Hollow metal, pair 3'-0" x 7'-0" to exterior
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	No view panels Kick plates on both sides of doors
Finishes	Walls	CMU - painted
	Floor	Sealed concrete
	Base	No base
	Ceiling	Exposed structure - painted
Plumbing		Floor drains as required
HVAC		Heating and ventilation
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	One per room
	Data	NIPR
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		STC 45 assembly minimum between adjacent spaces
Furnishings / Equipment / Casework		N/A
Special Requirements		N/A

Figure 2-F.3.3 Electrical Room Data Sheet		
INDEX		F3
Description/Usage		Electrical equipment
Ceiling Height		No ceiling, 9'-0" minimum clearance
Windows		No Windows Permitted
Doors	Type	Hollow metal, single or pair 3'-0" x 7'-0" to exterior
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	No view panels Kick plates on both sides of doors
Finishes	Walls	CMU - painted
	Floor	Sealed concrete
	Base	No base
	Ceiling	Exposed structure - painted
Plumbing		N/A
HVAC		Heating and ventilation
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	One per room
	Data	NIPR
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		N/A
Furnishings / Equipment / Casework		N/A
Special Requirements		N/A

Figure 2-G.3.2 Outdoor Storage Room Data Sheet		
INDEX		G1
Description/Usage		This is exterior space for storage of extra outdoor equipment or training tools and gear.
Ceiling Height		No ceiling, 9'-0" minimum clearance
Windows		N/A
Doors	Type	Hollow metal, single 3'-0" x 7'-0" , 10'-0" x 10'-0" Overhead Coiling Door
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	No view panels No kick plates
Finishes	Walls	CMU - painted
	Floor	Sealed concrete
	Base	No base
	Ceiling	Exposed structure
Plumbing		
HVAC		N/A
Fire Protection / Life Safety		N/A
Power		N/A
Lighting		N/A
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		N/A
Furnishings / Equipment / Casework		N/A
Special Requirements		Provide shelving and racks for storage

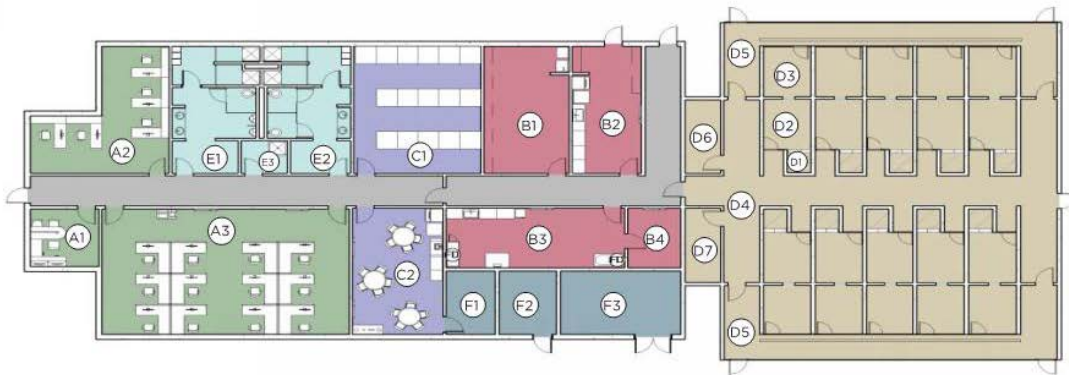
Figure 2-G.3.2 Dog Break Area Room Data Sheet		
INDEX		G2
Description/Usage		This is an open area with fencing for dogs to wait between training sessions or before returning to Kennel.
Ceiling Height		N/A
Windows		N/A
Doors	Type	N/A
	Security/ Hardware	N/A
	View Panels/ Kick Plates	N/A
Finishes	Walls	N/A
	Floor	N/A
	Base	N/A
	Ceiling	N/A
Plumbing		
HVAC		N/A
Fire Protection / Life Safety		N/A
Power		N/A
Lighting		N/A
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		N/A
Furnishings / Equipment / Casework		N/A
Special Requirements		

Figure 2-G.3.3 Optional Portable Explosive Storage Room Data Sheet		
INDEX		G3
Description/Usage		This is an open space with a concrete pad and fence surround for temporary storage of explosive / training equipment.
Ceiling Height		N/A
Windows		N/A
Doors	Type	N/A
	Security/ Hardware	N/A
	View Panels/ Kick Plates	N/A
Finishes	Walls	N/A
	Floor	N/A
	Base	N/A
	Ceiling	N/A
Plumbing		
HVAC		N/A
Fire Protection / Life Safety		N/A
Power		N/A
Lighting		N/A
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		N/A
Furnishings / Equipment / Casework		N/A
Special Requirements		

Entry & Circulation Room Data Sheet		
INDEX		
Description/Usage		Building entrance and general circulation or corridor spaces not associated with individual modules.
Ceiling Height		9'-0" minimum
Windows		N/A
Doors	Type	Aluminum entrance door with glass or hollow metal with full glass, 3'x7'
	Security/ Hardware	Keyed lock set
	View Panels/ Kick Plates	Side light, 12" wide Kick plates both sides of door
Finishes	Walls	Gypsum board – painted
	Floor	Sealed concrete, stained concrete or tile
	Base	Resilient or tile
	Ceiling	Acoustical Ceiling Tile
Plumbing		N/A
HVAC		Heating, ventilation, air conditioning
Fire Protection / Life Safety		Wet pipe sprinkler system
Power		Per UFC 3-520-01
Lighting		Per UFC 3-530-01
Communication	Tele.	N/A
	Data	N/A
	CCTV	N/A
	CATV	N/A
	Security	N/A
Acoustical		Per UFC 3-450-01 for noise control
Furnishings / Equipment / Casework		N/A
Special Requirements		N/A

2.4.F. Floor Plan

The floor plan below is a composite of the Modules within the approved Functional Adjacency Diagram which is based on the criteria listed within this Standard Design document. The scaled drawing showing conceptual fixture and furniture information is located within the Standard Design drawings.



DRAWINGS NOT TO SCALE

2.4.G. Interactive Programming Worksheet

This tool is provided in two formats. A snapshot of the programming sheet is provided in this section primarily as a reference and reflects the baseline standard facility program based on the criteria as discussed in this document. The additional interactive programming sheet provides a tool for planners and programmers. It allows the input of authorized personnel positions and special purpose spaces. Updated inputs are automatically calculated and provide new required square footage for each space and the estimated overall facility size.

INTERACTIVE PROGRAMMING WORKSHEET

MODULE NO.	AREA	NO. OCCUP	SF PER USER	NO. OF ROOMS REQUIRED	INDIVIDUAL ROOM RQRMTS	NET USER REQUIREMENTS		COMMENTS
						SF	SM	
A ADMINISTRATION								
A1	KENNEL MASTER			1	130	130	12.08	1,4,5,8
A2	TRAINERS			1	430	430	39.95	2,4,5,8
A3	HANDLERS			1	1,055	1,055	98.01	3,4,5,8
SUBTOTAL ADMINISTRATION AREA						1,615	150.03	
B SPECIAL USE								
B1	TACK ROOM			1	370	370	34.37	4
B2	FOOD STORAGE & PREPARATION			1	290	290	26.94	4
B3	EXAM ROOM			1	360	360	33.44	4
B4	SURGERY			1	105	105	9.75	4
SUBTOTAL FOOD STORAGE / PREPARATION AREA						1,125	104.51	
C COMMON USE / SUPPORT								
C1	TA - 50 LOCKER ROOM			1	540	540	50.17	7
C2	MULTI - PURPOSE ROOM			1	385	385	35.77	5
SUBTOTAL TACK ROOM AREA						925	85.93	
D KENNEL								
D1	DOG HOUSE			10	15	150	13.94	8
D2	INDOOR KENNEL			10	80	800	74.32	8
D3	OUTDOOR KENNEL			10	80	800	74.32	8
D4	INTERIOR KENNEL COORIDOR (CONDITIONED)			1	920	920	85.47	8
D5	EXTERIOR KENNEL COORIDOR			2	400	800	74.32	8
D6	WET STORAGE			1	90	90	8.36	8
D7	DRY STORAGE			1	90	90	8.36	8
SUBTOTAL KENNEL AREA						3,650	339.09	
E TOILET, SHOWER, LOCKER								
E1	MEN'S TOILET, SHOWER, LOCKER			1	320	320	29.73	10
E2	WOMEN'S TOILET, SHOWER, LOCKER			1	315	315	29.26	10
E3	JANITOR			1	50	50	4.65	
SUBTOTAL TOILET AREA						685	63.64	
F BUILDING SUPPORT								
F1	COMMUNICATIONS ROOM			1	150	150	13.94	11
F2	MECHANICAL ROOM			1	125	125	11.61	11
F3	ELECTRICAL ROOM			1	260	260	24.15	11
SUBTOTAL BUILDING SUPPORT AREA						535	49.70	
G OUTDOOR TRAINING								
G1	OUTDOOR STORAGE			1	400	400	37.16	9
G2	DOG BREAK AREA			1	200	200	18.58	9
G3	OPTIONAL EXPLOSIVE STORAGE			1	115	115	10.68	9
G4	OBEDIENCE COURSE			1	11,250	11,250	1,045.13	9
SUBTOTAL OUTDOOR TRAINING AREA						11,965	1,111.55	
H CIRCULATION								
	ADMINISTRATIVE CORRIDOR			1	415	415	38.55	
	SUPPORT CORRIDOR			1	395	395	36.70	
SUBTOTAL CIRCULATION AREA						810	75.25	
TOTAL FACILITY NET FLOOR AREA						8,535	792.90	
CIRCULATION MULTIPLIER						6.5%	9,090	
NET TO GROSS MULTIPLIER						15.0%	10,455	
TOTAL FACILITY GROSS ARE (ROUNDED)						10,460	971	12,13,14
COMMENTS:								
1	Kennel Master, one per 10 dogs, user defined.							
2	Trainers, two per 10 dogs, user defined.							
3	Handlers, one per 2 dogs, user defined.							
4	Reference Document : Design Guide for Military Working Dog Facilities, 2nd Draft Revised 14 June 2002 for facility requirements standards.							
5	Reference Air Force Manual 32-1084, Chapter 1 and Chapter 6 for general Air Force Facility standards							
6	Administration Area include circulation factor of 10% per Chapter 1 Air Force Manual 32-1084.							
7	TA-50 storage lockers, one per Kennel Master, Trainer, and Handler. User defined.							
8	The number of doog kennels to be verified for each base installation.							
9	Outdoor Training/Support areas are not included in facility Square footage totals.							
10	Male/Female ratio of 50/50. Actual fixture count shall be based on International Plumbing Code, latest edition, Chapter 29 and the UFC 3-420-01, latest edition, Plumbing Systems. This ratio shall be verified at each installation.							
11	Building Support areas are estimates only and actual size is dependent on requirements for climate zone, location, system, etc. (Sq. Ft. not included in Total Facility Net Floor Area as this area is included in Net to Gross Multiplier)							
12	Per AFM 32-1084 Chapter 1, net-to-gross multiplier of up to 25%, used 16% per Standard Design Plan which would include any additional Building Support Areas that may be required. Also included in multipliers are column furr-outs and mechanical/plumbing chases.							
13	All area SF's are rounded to the nearest whole 5 number.							
14	This worksheet represents a one-bay facility rounded up to 10,460 Square Feet.							