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AIR FORCE RESERVE COMMAND

AIR FORCE RESERVE COMMAND
HANDBOOK 32-1001

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Civil Engineering

STANDARD FACILITY REQUIREMENTS

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This handbook implements AFPD 32-10, *Installations and Facilities*. It contains guidelines and information for facility requirements in support of AFRC missions. The criteria in this handbook represent standard space allowances. These guidelines shall be used by key personnel in AFRC civil engineering and key personnel in other AFRC organizations who allocate space in existing facilities or develop or approve facility requirements. This publication applies to all Reserve, Active Duty, and civilian personnel assigned to AFRC. This publication does not apply to the ANG or the USSF. Every effort to conform existing facilities to the criteria contained within this handbook should be made unless the physical configurations of existing structures require variances from these guidelines. Criteria for items not addressed in this handbook may be found in AFMAN 32-1084, *Facility Requirements*. Ensure all records generated as a result of processes prescribed in this publication adhere to AFI 33-322, *Records Management and Information Governance Program*, and are disposed in accordance with the Air Force Records Disposition Schedule, which is located in the Air Force Records Information Management System. Refer recommended changes, comments, or questions about this publication to the OPR at Headquarters Air Force Reserve Command (HQ AFRC/A4CD), 255 Richard Ray Blvd, Building 549, Robins AFB, GA 31098-1635, using DAF Form 847, *Recommendation for Change of Publication*. Route AF 847 through the appropriate functional chain of command. The use of the name or mark of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Department of the Air Force. This publication may not be supplemented or further implemented or extended.

SUMMARY OF CHANGES

This document has been revised and must be completely reviewed. Changes include updates to administrative space authorizations, applicable multipliers, and overall calculations to be consistent with HAF/A4C new standards providing more granularity on calculations reflecting current mission requirements, Air Force standards, and AFMAN 32-1084.

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Chapter 1

OVERVIEW

1.1. Purpose. The guidelines in this handbook are applicable to the Air Force Reserve Command and implement DOD construction criteria directives.

1.2. Requirements and Criteria Development:

1.2.1. The criteria in this handbook outline space allowances authorized within AFRC as well as augment AFMAN 32-1084. HQ AFRC functional managers are consulted for space requirements within their areas of responsibility. HQ AFRC/A4CD gathers and compiles these requirements into this handbook. Actual space requirements for each facility (existing or proposed) are programmed and justified based on the authorized unit strength, concept of operations and the quantity and type of equipment and supplies to be stored. Adaptive use of existing facilities should be implemented to the maximum extent possible. The use of existing facilities should conform to the following criteria as nearly as possible; however, it is recognized that physical characteristics of existing structures will, in some cases, restrict adherence. The facility space standards contained herein are expected to adequately accommodate the majority of AFRC units. HQ AFRC recognizes that, due to the highly diversified and, in some cases unique, structure of AFRC operations, a single facility standard may not accommodate every need. Exceptions to facility space criteria will be considered when specific unit functions are not addressed within the established standards or when unique and compelling circumstances exist.

1.2.1.1. When facility space is hand audited by AFRC Requirements Engineers, such as Facilities Operations Capability and Utilization Survey, Site Survey, or Site Activation Team, the space authorization shall be used unless there are changes to manpower, Concept of Operations, supplies/equipment, or a revision to this handbook in this area.

1.2.1.2. All requests for facility space exceptions and waivers shall be forwarded in writing to AFRC/A4C for staffing and coordination through HQ AFRC. The waiver request will contain an analysis of the requirement.

1.2.1.3. All requests for facility space exceptions and waivers will be reviewed by the appropriate members of the HQ AFRC staff and functional experts within the Command. Requests for waivers and exceptions shall be reviewed in a timely fashion and a written reply provided back to the generating unit.

1.3. Administrative and Non-Administrative Space. All facility space requirements are given in terms of Net Square Feet (SF) area, unless noted otherwise. Throughout this handbook, 36 FT, 20 PT / 10 EA will be used. This notation refers to 36 SF (net) being authorized for Full Time administrative personnel (Civilian, Active Guard and Reserve (AGR), Air Reserve Technicians (ART)), 20 SF (net) being authorized for Part Time administrative personnel (Traditional Reservist (TR)) and 10 SF (net) each (EA) for non-administrative FT and PT personnel. The 10 EA workspace is referred to as a Shared Workstation. Administrative office spaces are typically divided into two main categories: “private offices” and “open office” work areas (e.g., cubicles, shared offices). Administrative support space (see **Paragraph 1.4**) should be programmed for all offices, 20 SF or greater.

1.4. Administrative Support Space. This space supports the facility's administrative functions and includes all spaces not included in personal office space such as administrative supply storage, unit/organization files, safes, copiers, scanners, printers, facsimile machines, shredders, shelter-in-place kits, mailrooms, and lactation support rooms. Eight (8) SF will be added for each authorized administrative position (desks/office personnel, 20 SF or more).

1.5. Special Purpose Space. Special purpose space is defined as space which may be required to meet specific or special organizational needs not otherwise authorized. The type, size, and quantity of special purpose spaces are mission specific. This space can be broken down into two areas: Administrative Special Purpose Spaces and Non-Administrative Special Purpose Spaces. These space types are defined below. In facilities with multiple organizations, maximize shared special purpose spaces for efficiency.

1.6. Administrative Special Purpose Spaces. These are administrative spaces other than offices, cubicles, task stations, and administrative support spaces. Typical examples are conference rooms, classrooms, training rooms, waiting/reception areas, customer service areas, breakrooms, locker room, shower room, workbenches, etc. See **Table 2.4**.

1.7. Non-Administrative Special Purpose Space. These spaces are more commonly referred to simply as "special purpose space". They include areas that are needed to support the mission but are not administrative in nature (e.g., historian's artifact room, portrait studios, mobility bag storage, equipment storage, etc.).

1.8. Circulation Space. Circulation space is added to the net administrative area and all special purpose space areas to account for the space needed to circulate in and around these areas.

1.9. Primary Circulation. This space encompasses the main routes connecting to the building core and common spaces, such as major hallways, elevators and exit stairs. Primary circulation area is included in the Net-to-Gross (NTG) space.

1.10. Secondary Circulation. This space includes the aisles between individual spaces such as private offices, cubicles, and support spaces.

1.11. Multipliers. Apply multipliers to the applicable spaces as follows and demonstrated in **Figure 2.1** and **Figure 2.2**.

1.12. Private Offices Circulation Multiplier (CM). For private offices, use a CM of 0.40.

1.13. Open Offices Circulation Multiplier. For open offices, use a CM of 0.60.

1.14. Administrative Support and Non-Administrative Special Purpose Space Circulation Multiplier. For these special purpose spaces, use a CM of 0.40. This does not apply to hangars, warehouse storage, shops and similar as is for administrative space.

1.15. Net-to-Gross Space and Multipliers (NTGM). The gross building area is utilized to estimate and program the size of an entire building to the outside walls. (Gross SF will be noted as GSF.) This includes common shared building functions/spaces such as vestibules, entryways, lobbies, primary circulation area (main hallways), restrooms, mechanical rooms, janitor closets, trash/recycling areas*, all vertical penetrations (e.g., comm/mechanical/electrical/plumbing, elevator shafts, stairwells), and the building's exterior and interior wall thickness. To estimate the gross building area for administrative facilities, multiply the net organization space for all organizations in the building by the NTG multiplier (NTGM) of 0.42 for administrative facilities.

A maximum NTGM of 0.25 will be applied for all non-administrative facilities such as hangars, storage facilities, warehouses, shops, etc.

1.15.1. Restrooms are included in the net-to-gross building area multiplier. Restrooms are only added in areas that will not be accessible to the rest of the building. One example is the Command Post.

1.16. Protection of Collateral Classified Assets/Resources. Facilities, rooms, and areas containing classified SIPRNet workstations/terminals, TACLANEs, open storage areas/secure rooms, and vaults, require the coordination and advocacy of the host installation Information Protection Office. Additional coordination with the local Communications Squadron may also be necessary. These facilities, rooms and areas may also require unique construction criteria or other compensatory measures, or countermeasures bases on the local threat, a risk assessment and security in-depth determination. During duty hours, when the collateral classified information is removed from safes or being worked on/viewed, protection of collateral classified information is achieved by the presence of cleared personnel. The final approval authority for unattended storage of collateral classified information is the host installation commander.

1.17. New Construction. All new construction and renovation projects shall configure buildings to support an open office concept with moveable partitions, demountable walls, and systems furniture to allow maximum flexibility. Hard walls shall be used only when necessary to provide required building integrity, security or to meet building code standards. Where possible, offices shall be joint-use and the number and size of private offices kept to a minimum.

1.18. Joint-Use Facilities. Program joint-use facilities to the maximum extent practicable where the Air National Guard, Active Duty, and Air Force Reserve units are collocated. Consider facilities such as medical training, lodging, dining halls, bulk fuel storage, vehicle maintenance, communications centers, small arms ranges, fire stations, munitions/ pyrotechnics storage facilities, etc., for joint use.

1.19. Headquarters AFRC. AFRC/DS Memorandum, Authorized Space Standards, 22 February 2023, established square footage standards for HQ AFRC Directorates.

Chapter 2

BUILDING A REQUIREMENT

2.1. Space Authorization Calculation, Position-Based Authorization Method. This method is used for calculating space authorization requirements based on the number of administrative positions, the private and open office types for each position, administrative support space, and special purpose space (administrative and non-administrative). This information is then used to establish the net administrative space. A net-to-gross multiplier may be applied to determine the gross building area. **Table 2.1** presents an overview of this method. Tables **2.2**, **2.3**, and **2.4** provide data on square footage authorizations for positions and special purpose space. Finally, **Figure 2.1** and **Figure 2.2** provide detailed examples utilizing the data provided in the mentioned tables.

Table 2.1. Position-Based Authorization Method and Multipliers.

	SPACE TYPE	SF FACTOR / MULTIPLIER
1	NSF Private Office Spaces	See **Table 2.2.**
2	Add Private Office Circulation (Multiplier = 0.40)	(CM) 0.4
3	Add NSF Open Office Spaces	See **Table 2.3.**
4	Add Open Office Circulation (Multiplier = 0.60)	(CM) 0.6
5	Net Administrative Space = [Line 1+(Line 1 x Line2) +Line 3+ (Line 3 x Line 4)]	
6	Add Administrative Special Purpose Space and Non-Administrative Special Purpose Space	See **Table 2.4.** and **Paragraph 1.6**. for admin and **Paragraph 1.7.** for non-admin
7	Add Special Purpose Space Circulation (and CM = 0.40)	(CM) 0.4
8	Net Special Purpose Space = Line 6+(Line 6 x Line 7)	
9	Net Building Area = (Net Administrative Space [Line 5]) + (Net Special Purpose Space [Line 8])	
10	Add Net-to-Gross Space (NTGM = 0.42)	(NTGM) 0.42
11	Total Estimated Gross Building Area = Line 9 + (Line 9 x Line 10)	

Table 2.2. Position-Based Private Office Space Authorization Factors.

RANK (OR EQUIVALENT)	OCCUPANT / VISITOR LOAD	TYPE	SF
Commanders: Numbered Air Force (NAF) / Deputy; MAJCOM / Deputy; Wing / Deputy; Directorate Chief / Deputy	Occupant plus up to four visitors, and a meeting area for five.	A	300
Commanders: Group / Deputy; Division Chief / Deputy; Staff JA Deputy; Wing Chaplain	Occupant plus up to two visitors, and a meeting area for three.	B	160
Commanders: Squadron / Deputy; Wing Command Chief; Group SEL (Senior Enlisted Leader/ Superintendent); Staff JA Deputy; Chaplain	Occupant plus visitor(s)	C	140
Wing Staff Agency Chiefs (EO, HO, IG, PA, SE, etc.); Squadron SEL (Senior Enlisted Leader/Superintendent); First Sergeants; Flight Commanders; Flight Chiefs; Director of Operations; Military / Civilian Personnel Chief, Judge Advocate	Occupant plus visitor(s)	D	100

Table 2.3. Open Office Space Authorization Factors.

FUNCTION	WORKSPACE TYPE	TYPE	SF
Branch Chiefs; Section Chiefs; Flight Superintendents; NCOICs; Executive Officers; Design Engineers, or an equivalent that can justify additional workspace above the standard workstation	Supervisor Workspace	E	65
Standard full-time equivalent (FTE) Military or Civilian personnel, including Contractors, Wing / Group / Squadron Command Support Staff; JA Staff (paralegals)	Standard Workstation	F / G	36
Reservist (TR) Administrative Staff	Task Station	H	20
Workstation for personnel not requiring a desk. (Non-dedicated/shared workstations) Limited task workstations (hoteling / hot bunk) for reservists, shop workers, contractors, students, or equivalent. Space for single monitor and keyboard.	Kiosk Station / Shared Workstation	I	10

Table 2.4. Typical Administrative Special Purpose Space Authorization Factors.

DESCRIPTION	AUTHORIZATION FACTORS[1,2]
Administrative Support Space	8 SF per workspace.
Breakrooms (Coffee Bar/Vending)[3]	3 SF per workspace; 50 SF min.
Copy Rooms	Use only if additional space to the administrative support space is needed. User justified.
File Rooms	Use only if additional space to the administrative support space is needed. User justified.
Reception Desk	36 SF for each customer service area as required.
Shipping/Receiving	User justified.
SIPRNet Room /Cafe	Secret Internet Protocol Router Network (SIPRNet); 20 SF per SIPR terminal; 80 SF minimum.
Mail Room	Use only if additional space to the administrative support space is needed. User justified.
Sensitive Compartmented Information Facility (SCIF)[4]	User justified (use CATCODE 140422 SCIF) All standard office space applies.
Waiting Areas	20 SF per person/seat. User justified.
Locker Room / Shower Room	4 SF per person for locker space (double stacked) and 35 SF per shower (based on 1 shower for every 20 people).
Workbench	60 SF per station minimum. User justified for larger sizes.

Notes:

1. Base actual space requirements on functional analysis. There are no specific space limitations.

2. These spaces only require justification if the requirement exceeds what is normally included in the gross area multiplier.

3. Based on total number of desks, this will account for peak number of staff.

4. Workspaces inside a SCIF will use the same standards for workspaces, admin support etc.

2.2. Facility Category Codes: Real Property Category Codes (CATCODES) are assigned based on the functions of the subject facility. Facility Analysis Category (FAC) are assigned with each CATCODE. CATCODES/FAC should match the USAF Real Property Category Code Book 2016 V1.1.

2.2.1. Facilities located on AFRC host installations should be coded in accordance with Active Duty (AD) / Reserve CATCODES contained in AFMAN 32-1084 and in this handbook.

2.2.2. AFRC facility space located on AD installations shall use the AD CATCODES contained in AFMAN 32-1084 and in this handbook.

2.2.3. Other CATCODES for unique AFRC facilities, or other facilities not addressed in this publication will be determined by HQ AFRC/A4CD on a case-by-case basis.

2.3. Private Offices: Private offices are the exception and may only be authorized for personnel with square footage 100 SF or larger. Incorporation of fire detection/suppression and mechanical ducting must be considered in each office.

2.4. Breakroom: Breakrooms are authorized at one per facility floor at three (3) SF per workspace. Minimum breakroom size 50 SF as authorized.

2.5. General Storage: Four (4) SF for each authorized position as applicable. User justified.

2.6. Locker Room / Shower Room. Showers and lockers, when specifically authorized, will be included in the overall NSF. SF for showers and lockers will be based on four (4) SF per person for locker space (double stacked, so 4/2) and 35 SF per shower based on one (1) shower for every 20 people. NAF, MAJCOM, and Wing Commanders are authorized private restroom and shower.

2.7. Sensitive Compartmented Information Facilities: Intelligence Community Directive (ICD) 705 compliant facility for secure information storage, discussions and processing must be approved by the HQ AFRC Special Security Officer and Senior Intelligence Officer, in coordination with DIA, prior to design or construction. Approval requires clear operational need for the facility and verification that there are no existing facilities available to support the requirements. When feasible, units will make every effort to consolidate facilities; however, multiple facilities may be authorized based on mission and security requirements. The Wing Facility Board will determine which building will be selected for the approved ICD 705 compliant facility. New construction may be authorized if no existing facilities can be converted to meet ICD 705 standards. The HQ AFRC Special Security Officer will coordinate with the HQ AFRC Civil Engineer when a new requirement for ICD 705 compliant facility is submitted.

Figure 2.1. Example of Using the Position-Based Authorization Method.

Position Description	Rank / Position Type	Office Type	Grade	SF Auth / No.	No.	Total Auth
Administrative Private Office Space						
Wing CC	Commander: Wing	A (Private)	O-7	300	1	300
Deputy Wing	Commander: Wing Deputy	A (Private)	O-6	300	1	300
Command Chief	Wing CC CMSgt	C (Private)	E-9	140	1	140
Subtotal Private Office Space				Subtotal	3	740
Private Office Circulation Calculation (Multiplier = 0.40)				0.40		296
Net Private Office Space				Subtotal		1,036

Administrative Open Office Space						
Wing Exec	Executive Officer	E (Open)	O-3	65	1	65
Admin Support	Staff FT Admin	F (Open)	GS-9	36	1	36

CSS	Staff FT Admin	F (Open)	Various	36	6	216
Subtotal Open Office Space				Subtotal	8	317
Open Office Circulation Calculation (Multiplier = 0.60)				0.60		190
Net Open Office Space				Subtotal		507
Administrative Support and Special Purpose Space						
Administrative Support Space				8	11	88
Wing CC Conference Room				690	1	690
Wing CC Team Rooms (Host Wing)				450	1	450
Reception Area (Wing CC)				20	6	120
Breakroom (Coffee Bar/Vending)				3	11	50
Subtotal Administrative Support and Special Purpose Space				Subtotal		1,398
Administrative Support and Special Purpose Space Circulation Calculation (Multiplier = 0.40)				0.40		559
Net Administrative Support and Special Purpose Space				Subtotal		1,957
Non-Administrative Special Purpose Space						
Mobility Bag Storage (if in admin area)				250	1	250
Subtotal Non-Administrative Special Purpose Space				Subtotal	1	250
Non-Administrative Special Purpose Space Circulation Calculation (Multiplier = 0.40)				0.40		100
Net Non-Administrative Special Purpose Space				Subtotal		350
Space Totals						
Total Net Facility Space				Total Net		3,850
Net-to-Gross Multiplier (Multiplier = 0.42)				0.42		1,617
Total Gross						5,468

Figure 2.2. Example of Using the Position-Based Authorization Method for a Squadron.

Position Description	Rank / Position Type	Office Type	Grade	SF Auth / No.	No.	Total Auth
Administrative Private Office Space						

Squadron CC	CC: Squadron	C (Private)	O-5	140	1	140
Dpty Squadron CC	CC: Squadron Deputy	C (Private)	O-5	140	1	140
Superintendent	Squadron SEL	D (Private)	E-9	100	1	100
First Sergeant	First Sergeant	D (Private)	E-7	100	1	100
Flight Chiefs (A, B, C, D)	Flight Chief (Non-G-Series)	D (Private)	O-4	100	4	400
Subtotal Private Office Space				Subtotal	8	880
Private Office Circulation Calculation (Factor = 28%; Multiplier = 0.40)				0.40		352
Net Private Office Space				Subtotal		1,232

Administrative Open Office Space						
Admin Support	Staff - FT Admin	F (Open)	GS-6	36	1	36
Flight A Supervisor	Supervisor	E (Open)	E-7	65	2	130
Flight A Staff	Staff - FT Admin	F (Open)	Various	36	45	1,620
Flight B Supervisor	Supervisor	E (Open)	O-1	65	1	65
Flight B Staff	Staff - FT Admin	F (Open)	Various	36	12	432
Flight C Staff	Staff - FT Admin	F (Open)	Various	36	11	396
Flight D NCOIC	NCOIC	E (Open)	E-7	65	1	65
Flight D Staff	Staff - FT Admin	F (Open)	Various	36	8	288
Flight D (3 IMAs)	Reservists (<25% of FTE)	H (Open)	O-3	20	1	20
Flight D Contractors	Contractor (>40hr or FTE)	F (Open)	Contractor	36	8	288
Subtotal Open Office Space				Subtotal	90	3,340
Open Office Circulation Calculation (Factor - 38%; Multiplier - .60)				0.60		2,004
Net Open Office Space				Subtotal		5,344

Administrative Support and Special Purpose Space			
Administrative Support Space	8	98	784
Meeting Space (Conference and Team rooms) to be divided as needed	Table 6	98	650
Breakrooms (Kitchen/Vending)	3	98	294
Subtotal Administrative Support and Special Purpose Space	Subtotal		1,728
Administrative Support and Special Purpose Space Circulation Calculation (Factor = 28%; Multiplier = 0.40)	0.40		691

Net Administrative Support and Special Purpose Space	Subtotal		2,419
Non-Administrative Special Purpose Space			
Equipment Storage (if in admin area)	120	1	120
Mobility Bag Storage (if in admin area)	150	1	150
Subtotal Non-Administrative Special Purpose Space	Subtotal	2	270
Non-Administrative Special Purpose Space Circulation Calculation (Factor = 28%; Multiplier = 0.40)	0.40		108
Net Non-Administrative Special Purpose Space	Subtotal		378
Space Totals			
Total Net Facility Space	Total Net		9,373
Net-to-Gross Multiplier (Factor = 30%; Multiplier = 0.42)	0.42		3,947
Total Gross			13,310

Chapter 3

WING FACILITIES

3.1. Wing Command Section (FAC 6100; CATCODE 610-249): Square footage authorized for the Wing Command Section administrative space is based on the individuals assigned to the Section. This allocation includes office space for the commander, deputy commander, executive officer, Commander's Support Staff (CSS), Wing Command CMSgt and command conference room as applicable. See **Table 3.1** to determine square footage authorizations.

Table 3.1. Wing Command Section.

DESCRIPTION	SCOPE (NSF)
Wing Commander	300
Commander Restroom (includes Shower)[1]	100
Vice Commander	300
Executive Officer	65 FT + 36 PT
Administration	65
CSS (Unit Program Coordinator)	36 FT + 36 PT
Command Chief	140
Director of Staff (not typical)	100
Fighter Enhancement Program	36 FT + 36 PT
Conference Room	690
Reception Area	200
SIPR (User justified / may use others)	200
Breakroom	200
Storage - General	4 EA

Notes:

1. Commander Restroom / Shower (Wing, NAF, and MAJCOM) is authorized for new construction and major renovation only.

3.2. Command Post (FAC 1412; CATCODE 141-461): Each installation is authorized a single USAF Command Post facility. **Table 3.2** shows proposed space allocation for a Command Post Facility at AFRC host installations and some tenant locations. See accompanying notes for additional design criteria associated with Command Post facilities.

Table 3.2. Command Post.

DESRIPTION	SCOPE (NSF)	OPLAN 80X (NSF)
Flight Chief / Commander(C2OPS)	100	100
Flight Superintendent (C2OPS)	65	65
Administrative Support	36 FT + 20 PT	36 FT + 20 PT
Readiness and Training	36 FT + 20 PT	36 FT + 20 PT
Training Cab[3]	400	400
Console (Emergency Action Cell)[4]	600	600
CAT / ICC[5]	500	500
Restroom	200	200
Shower Room	100	100
Training Room	400	400
Entrapment	40	40
Breakroom (may include a kitchen)	200	200
Storage	300	300
Global ASNT: Pad for Antenna[6]		12’ x 12’
Global ASNT: Cabinet		8.5’ x 14’
Communications Cabinet[7]		560

Notes:

1. The working area for a Command Post is based upon the functions to be performed and the maximum number of persons required to perform those functions during anticipated peak workloads.

2. An area will be reserved for the Chief, Superintendent, and the administrative staff with adequate office space to accommodate the number of personnel and any equipment necessary to perform their day-to-day duties. Privacy and immediate access to the console area are key considerations for the administrative area.

3. The training section should have easy access to the console area to facilitate training and testing of Command and Control (C2) personnel.

4. Special attention should be made to ensure the Emergency Action (EA) controllers are provided a secure area to execute EA procedures.

5. Crisis Action Team / Installation Command Center (ICC) Area. To ensure a good cross flow of information, a collocated ICC area is highly desired. If this is not possible, secure communications must exist between the Command Post and the ICC to ensure effective coordination. The area should be sized to accommodate the ICC and all associated equipment requirements but is at the discretion of the Wing Commander.

6. If no roof space is available or roof cannot support.

7. Cabinet for JWICS / SIPR / TIPR / NIPR.

8. Wall and ceiling silencing materials or other suitable means of noise reduction will be used in Command Posts to reduce noise level to a minimum. Raised flooring will be used to facilitate the addition of future communications systems.

9. The facility housing the Command Post must be designated as a USAF Restricted Area at the protection level equal to the highest protection level resources they support operationally. Entry control to the Command Post, associated equipment/communications rooms, and emergency generators are outlined in AFI 31-101, *Integrated Defense*, as supplemented.

10. Command Post Facility Remodeling: Prior to construction, C2 managers will coordinate designs/plans with the local Security Forces Physical Security section and the host installation Information Protection office, local Communications Squadron's Emissions Security personnel and HQ AFRC Operations and Intelligence to ensure compliance with guidelines.

11. For Alternate Command Post, see AFMAN 10-207, *Command Posts*.

3.3. Emergency Operations Center (EOC) (FAC 1404; CATCODE 140-421): The EOC is the incident command support element that includes the space, facilities, and protection necessary for C4I functions before, during, and after an incident at the operational level. See Unified Facilities Criteria (UFC) 4-141-04, Emergency Operations Center Planning and Design.

Table 3.3. Emergency Operations Center.

DESRIPTION	SCOPE (NSF)
Operation Room (console positions)	36 EA
Conference Room	25 EA, 200 min
Information & Planning Rooms (user justified)	36 EA
Communications Center	150 EA (2 consoles) 100 EA (additional)

3.4. Public Affairs (FAC 6100; CATCODE 610-249): The Wing Public Affairs office is authorized the following as applicable.

Table 3.4. Public Affairs.

DESRIPTION	SCOPE (NSF)
PA Chief	100
PA Staff	36 FT + 20 PT
Storage – General (equipment)	200
PA Studio (if required-photo, video, graphics)	400

3.5. Judge Advocate (FAC 6100; CATCODE 610-112): Private (secure) offices must be provided for each assigned attorney in accordance with AFI 51-304, *Legal Assistance, Notary, and*

Preventive Law Programs. When collocated with an Active-Duty Wing Judge Advocate office, the AFRC Judge Advocate function will include only sole-use office space for the AFRC staff.

Table 3.5. Judge Advocate.

DESRIPTION	SCOPE (NSF)
Staff JA	160
JA (Deputy)	140
JA	140
Paralegal	36
Storage – General	100
Library (if applicable)	200
Conference Room (if applicable)	200
Reception Area	100

3.6. Chaplain (FAC 6100; CATCODE 610-249): Each chaplain is authorized a private office suitable for privileged communication that protects confidentiality. The office is to be sound dampened and have a door with a vision panel in accordance with AFI 52-105, *Chaplain Corps Resourcing*, **Paragraph 4.2.**. Adequate wing common or shared space will be provided to accommodate worship and religious education programs. The worship space does not have to be dedicated space.

Table 3.6. Chaplain.

DESRIPTION	SCOPE (NSF)
Wing Chaplain	160
Chaplain	140
Chaplain Assistant (Religious Affairs Airman)	36
Storage - General	50
Reflection Area (if applicable)	200

3.7. Historian (FAC 6100; CATCODE 610-249): See **Table 3.7** to determine square footage authorizations.

Table 3.7. Historian.

DESRIPTION	SCOPE (NSF)
Historian	100
Storage - General	100
Historic Display (if applicable)	User justified

3.8. Financial Management/Budget Advisor (FAC 6100; CATCODE 610-249): This function includes space for both base operations support Financial Management staff and the mobility tasked Reservists assigned to Wing/Group Finance function.

Table 3.8. Financial Management.

DESCRIPTION	SCOPE (NSF)
FM Chief (host – comptroller) (tenant – budget officers)	100
Section Chief	65
FM Staff	36 FT + 20 PT
Storage - General	200
Conference Room (if applicable)	200
Customer Service Area	200

3.9. Equal Opportunity (FAC 6100; CATCODE 610-249): See **Table 3.10** to determine square footage authorizations.

3.10. Information Protection (FAC 6100; CATCODE 610-249): The Lead of Information Protection should be provided a private securable office. See **Table 3.10** to determine square footage authorizations.

3.11. Inspector General (FAC 6100; CATCODE 610-249): See **Table 3.10** to determine square footage authorizations.

3.12. Inspector General Inspections / Wing Exercise Evaluation Team (FAC 6100; CATCODE 610-249): See **Table 3.10** to determine square footage authorizations.

3.13. Performance Manager / Process Manager / Central Control Officer / Performance Planning (FAC 6100; CATCODE 610-249): See **Table 3.10** to determine square footage authorizations.

3.14. Protocol (FAC 6100; at Code 610-249): See **Table 3.10** to determine square footage authorizations.

3.15. Resiliency / Psychological Health Coordinator (FAC 6100; at Code 610- 249): See **Table 3.10** to determine square footage authorizations. Note are authorized an additional 200 SF for meeting area outside of office.

3.16. Safety Office (FAC 6100; CATCODE 610-249): See **Table 3.9** to determine square footage authorizations.

Table 3.9. Wing Safety.

DESRIPTION	SCOPE (NSF)
Safety Chief	100
Section Chief	65
Safety Staff	36 FT + 20 PT

3.17. Sexual Assault Response Coordinator (SARC) (FAC 6100; CATCODE 610-249): See **Table 3.10** to determine square footage authorizations. See DAFI 90-6001, *Sexual Assault Prevention and Response (SAPR) Program*, for facility requirements.

3.18. Violence Prevention Specialists (VPI's) (FAC 6100; CATCODE 610-249): See **Table 3.10** to determine square footage authorizations.

3.19. Yellow Ribbon Coordinator (FAC 6100; at CATCODE 610-249): See **Table 3.10** to determine square footage authorizations.

3.20. Prevention and Response (FAC 6100; at CATCODE 610-249): Host Wings only. (New Host Wing function as of 2023 to include an Integrated Prevention and Response Chief, Prevention Analyst, Prevention Specialist, Prevention Coordination Specialist, and Integrated Response Coordinator.) See DAFI 90-5001, *Integrated Resilience*, and DODI 6400.11, DoD *Integrated Primary Policy for Prevention Workforce and Leaders*. See **Table 3.10** to determine square footage authorizations.

Table 3.10. Miscellaneous Wing Staff.

DESRIPTION	SCOPE (NSF)
Functional name Chief (per above); e.g., EO Chief	100
Functional name Staff (per above); e.g., EO Staff	36 FT + 20 PT
Reception Area (SARC office1) (Psych Health office)	200
Notes: 1. SARC office is authorized a stand-alone computer workstation; communication equipment & services (phones, printers, scanner, copier, etc.).	

3.21. Development & Training Flight (DTF) (FAC 6100; CATCODE 610-249): The DTF (Wing program to prepare trainees for basic military training) typically falls under the Wing Command Chief. Classroom space is user justified.

3.22. Recruiting Flight (FAC 6100; CATCODE 610-249): Recruiting flight functions are authorized office and special purpose space as shown in the **Table 3.11**.

Table 3.11. Recruiting.

DESCRIPTION	SCOPE (NSF)
Recruiting Flight Chief / Commander	100
Senior Recruiter	100
Recruiter	65 (FT & PT)
Administration	65
Reception Area	200
Storage - General	150

3.23. Recruiting Squadron (FAC 6100; CATCODE 610-249): Recruiting Squadron functions (report to the 367 RCG at Robins, and not the local Wing) are authorized office and special purpose space as shown in the **Table 3.12**.

Table 3.12. Recruiting Squadron.

DESCRIPTION	SCOPE (NSF)
Squadron Commander	140
DO (Operations Officer)	140
Squadron SEL (Superintendent)	100
First Sergeant	100
CSS	36 FT + 20 PT
Resource Advisor	36 FT + 20 PT
Operations (NCO)	36 FT + 20 PT
Training (Manager & Assistant)	36 FT + 20 PT
Conference Room	300
Breakroom	50
Reception Area	200
Storage – General	150
Notes: 1. AFRC has four Squadrons: 353 RCS (March ARB), 352 RCS (NAS Fort Worth), 351 (Marietta, GA), 350 RCS (JB McGuire). 351 RCS is off installation (USACE Lease).	

3.24. Office of Special Investigation (OSI) (FAC 6100; CATCODE 610-915): See **Table 3.13** to determine square footage authorizations. OSI space is authorized based on unique requirements at each installation. Facility plans should include maximum use of shared space and authorize new special purpose space only on a case-by-case basis and based on the size and mission of the resident office. OSI space is NOT required to be included in the same facility as the resident Security Force Squadron.

Table 3.13. Office of Special Investigation.

DESCRIPTION	SCOPE (NSF)
Office Space	
Special Agent	100
Receptionist	65
Administration Support Room	36 FT + 20 PT

Special Purpose Space	
Conference Room	200
Operations / Training Room	200
Reception Area	150
Secure Visitors Waiting Room	120
Polygraph / Interview Room	120
Observation Room	100
Evidence Vault	200
Weapons Vestibule and Vault	175
Storage – Secure (Secure Storage Room)	100
Computer / Server Room	120

3.25. Conference / Training Centers (FAC: 7440; CATCODE: 740-874): These facilities for local and Command directed mass training events are regionally dispersed to increase their utilization and decrease travel costs for users. Designated Conference Centers are Building 404 at Homestead ARB, FL, Building 1204 at Westover ARB, MA, and Building 467 at March ARB, CA. These designated Conference Centers are authorized at their current size with no further expansion approved. Designated Conference Centers are eligible for sustainment, restoration, and modernization, as well as utility funding and will be managed by the host installation. No other Conference Centers, mass briefing facilities, auditoriums, theaters, or other similar facilities are authorized for AFRC installations.

3.26. Numbered Air Force Headquarters (FAC: 6100; CATCODE: 610-285): Square footage authorized for the Numbered Air Force is based on the following table.

Table 3.14. Numbered Air Force.

ORG	SPACE FUNCTION	SCOPE (NSF)
	Commander	300
	Vice Commander	300
	Administration	65
	Command Chief	140
	Reception Area	200
	Command Chief Assistant	100
	Director of Staff	100
	Executive Officer	65 FT + 36 PT
	Storage - General	200

	Conference Room	690
	Meeting Room	3 @ 150
	Process Manager	100
	FM Chief	160
	FM Staff	36 FT + 20 PT
	Staff JA	160
	JA	140
	Paralegal	36
	JA Library (if applicable)	200
	Reception Area (if applicable)	100
	Conference Room	200
	Medical Administrator	100
	Medical Staff	36 FT + 20 PT
	CAG (Commander's Action Group)	100
	CAG Staff	36 FT + 20 PT
	PA	100
	Wing Inspections	100
	Wing Inspections Staff	36 FT + 20 PT
A1	A1 Director	160
A1	A1 Deputy	140
A1	A1 CSS Section Chief (Supt)	65
A1	A1 CSS Staff	36 FT + 20 PT
A1	A1 Client Systems Support	65
A1	A1 Personnel	36 FT + 20 PT
A1	A1 CSA	36 FT + 20 PT
A1C	A1C Civilian Personnel	65
A1M	A1M Manpower	65
A3	A3/A5 Director	160
A3	A3/5 Deputy	140
A3	Administration	65
A3	A5X Division Chief	100

A3	A5X Pilot	36
A3	A5X Command Post	36
A3	A5X Staff	36 FT + 20 PT
A3	A3T Division Chief	100
A3	A3T Staff	36 FT + 20 PT
A3	A3M Division Chief	100
A3	A3M Standards and Evaluations	36 FT + 20 PT
A3	A3N	36
A3	A3O	36
A3	A3R	36
A3	A3X	36
A4	A4 Director	160
A4	A4 Deputy	140
A4	Administrative (Civilian)	65
A4	A4M Division Chief	100
A4	A4M Chief (Supt)	65
A4	A4M Staff x 2	36 FT + 20 PT
A4	A4R Division Chief	100
A4	A4R Deputy	65
A4	A4R Chief (Supt)	36
A4	A4R Staff	36 FT + 20 PT
A4	A4C Division Chief	100
A4	A4S Chief Security Forces Manager	36
A4	A4S Staff	36 FT + 20 PT
A4	A4C Chief	36
A4	A4C Fire (Chief & Deputy)	36
A4	A4C EM (Supt)	36
A4	A4C EM Staff	36 FT + 20 PT
	Conference Room	300
	Secure VTC/Team Room	300
	SIPR	200

	Breakroom	3 SF / Workspace
	Storage - General	User justified - 4 each

Chapter 4

OPERATIONS

4.1. Operations Group; (FAC 6102; CATCODE 610-243): Table 4.1 provides typical functions and space authorizations. The following is applicable to all Operations Groups to include Airlift Group (Little Rock); Air Control Group (Tinker); Air Operations Group (March); Bomb Group (Dyess) Cyberspace Operations Group (Robins, JBSA Lackland); Fighter Group (Eglin, Moody, JB Elmendorf-Rich, Seymour-Johnson, Davis Monthan); Flight Test Group (Robins); Flight Training Group (JBSA Randolph); and Intelligence, Surveillance & Reconnaissance Group (Wright-Patterson, JB Langley-Eustis); and Rescue Group (Davis-Monthan). Additional unique personnel requirements (functions) and space authorizations will be determined on a case-by-case basis.

Table 4.1. Operations Group Command Section.

DESCRIPTION	SCOPE (NSF)
Group Commander	160
Deputy Commander	160
Administration	65
CSS	36 FT + 20 PT
Executive Officer	65 FT + 36 PT
Group SEL (Superintendent)	140
Career Advisor (CA)	36
Resource Advisor (RA)	36
Unit Deployment Manager (UDM)	36
Unit Training Manager (UTM)	36
Conference Room	535
Standards & Evaluations (if applicable, may be located at Squadron)	36 FT + 20 PT
Testing Room (if have Standards & Evaluations)	200
Storage – General (user justified)	4 EA
Notes: 1. Cyberspace; Space; and Intelligence, Surveillance & Reconnaissance Groups will have additional unique personnel requirements.	

4.2. Operations Support Squadron (FAC 1412; CATCODE 141-753): The Operations Support Squadron and associated staff are typically authorized square footage based on the table below.

Table 4.2. Operations Support Squadron.

DESCRIPTION	SCOPE (NSF)
Squadron Commander	140
DO (Operations Officer / Director of Operations)	140
First Sergeant	100
Squadron SEL (Superintendent)	100
CSS	36 FT + 20 PT + 1501
Conference Room	300
Operations Plans	36 FT + 20 PT
Current Operations	36 FT + 20 PT
Mission Planning (do not duplicate in other squadrons)	700
Aircrew Training (includes UTM)	36 FT + 20 PT
Host Aviation Resource Manager or Squadron Aviation Resource Manager (SARM)	36 FT + 20 PT + 100
Standards & Evaluations[2] (typically @ OG or flying squadron)	36 FT + 20 PT
Weapons & Tactics[2]	36 FT + 20 PT
Intel2 (Do not duplicate space in other squadrons)	36 FT + 20 PT + 10 EA + 400
Testing Room / SIPR / Secure Storage / workspace table[3]	200 EA (User justified)
Combat Crew Comm	36 FT + 20 PT + See **Table 4.3.**
Flight Simulator	User Justified
Storage – General (user justified)	4 EA
Breakroom	3 SF / Workspace
Survival Evasion Resistance and Escape (SERE)	See **Paragraph 4.4.**
AFE	See **Paragraph 4.5.**

Notes:

1. 150 SF for reception/orderly room/sign-in area.

2. For installations that have Standards & Evaluations, Weapons and Tactics, or Intel at the Group level, apply this space requirement in **Table 4.1.** Do not duplicate…space is only earned once.

3. Testing Room (Standards & Evaluations typically) / SIPR / Secure Storage / workspace table could apply to Standards & Evaluations, Weapons and Tactics, and Intel. Do not duplicate … space is only earned once.

Table 4.3. Combat Crew Communications / Mission Planning Cell (included in OSS).

DESCRIPTION	LARGE (12 – 16 personnel)	SMALL (6 personnel)
Supervisor	120	120
Workroom	850	450
Shredder Room	100	100
Safe Room	150	150

Notes:

1. Workroom includes space for personnel, table, counter, Flight Info Pubs shelves and SIPR drops. The calculation is somewhat based on 36 FT & 20 PT, so admin support space should be added per person.

2. Applicable to KC-135, KC-46, C-5 & C-17.

4.3. Survival Evasion Resistance and Escape (FAC 1412; CATCODE 141-753): Specialists (instructors) are authorized administrative and equipment storage space when present at AFRC flying units. **Table 4.4** shows proposed space allocation for SERE specialists.

Table 4.4. SERE.

DESCRIPTION	SCOPE (NSF)
Flight Commander (SIPR capable office area if applicable)	100
SERE Staff	36 FT + 20 PT
Mission Planning (part of OSS Weapons & Tactics – do not duplicate)	OSS Weapons & Tactics
Conference Room (unit meeting space -150 if 10+ SERE specialists)	Not applicable
Training Room (includes training aid space)	750
Combative Training Area	500
EPT (Emergency Parachute Training) (typically part of AFE – do not duplicate)	300 if not in AFE
Lockers (SERE instructors) (6 X 10 X 8-high)	60 EA
Laundry (if applicable)	60
Breakroom (if applicable, not elsewhere)	150
Shower Room	See **Paragraph 2.6**
Equipment Storage & Maintenance (35 X 55) (user justified)	1,925 – user justified
Covered Storage (Vehicle / All Terrain Vehicles (ATV) / Boat Storge & Maintenance (if applicable/not typical)	1,500 – user justified

Storage - Combat Survival Training (additional if 500+ flying crew members) (20 X 20)	400 if 500+, not applicable
WST (Water Survival Training) (additional if 500+ crew members) (20 X 30)	600 if 500+, not applicable

4.4. Aircrew Flight Equipment (FAC 2184; CATCODE 218-852): The Aircrew Flight Equipment (AFE) function may be located within the Squadron Operations facility or as a separate facility. Space authorization is dependent on the number of assigned flying aircrew members supported. Additional consideration must also be given to the type and number of weapons systems supported and any associated specialized equipment and training requirements. The AFE function is authorized the approximate square footage of workshop space (based on a standard 8 to 12 Primary Assigned Aircraft (PAA) squadron and 24 PAA for fighter squadrons), as shown in **Table 4.5**. Requirements are based on mission support for aircrew training/classroom space, supported aircrew equipment storage, night vision device storage/maintenance/testing, equipment inspection/maintenance, mobility operations, and administrative space.

Table 4.5. Aircrew Flight Equipment Facility Requirement.

	Fighter	B-52	C-130[5]	C-5	C-17	C-40	KC-X[5]	HH-60	Flight Test	Grdn Angl[6]
AFE Admin[1]	500			600		500			300	
Aircrew Support[2]	1.35K + 4 per aircrew member			1K	2K	200	2.2K	1.35K + 4 per aircrew member		
Aircraft Support[3]	800	4K	5K	6K	7K	1.1K	3.5K	500	2K	3K
Training Room	1K									
Egress	500	0								
Night Vision	300			na	300	na	300		na	300
Storage – Equip[4]	3 SF per flying position									
Laundry	100									
Drying Tower	900									
Storage - UTC	200 Per Equipment Unit Type Code (UTC)									

Notes:

1. Includes AFEO office, Supt office, section supervisor offices, and admin functions/storage.

2. Helmet inspection maintenance area is minimum 1,000 NSF plus 50 NSF fitting area IAW T.O. 15X-1-1. Light sewing/fabric room is 300 NSF. 4 NSF per aircrew member is required as aircrew lockers cannot be double stacked in mission prep. Includes inspection, maintenance, storage of helmets, oxygen masks, aircrew chemical defense equipment, Mil-G goggles/ALEP, anti-g suits, anti-exposure suits, survival vests, body armor, torso harnesses, HEEDS/HEBD/SEA, weapons receipt/issue, tester workspace/storage and bench stock/supply storage, and "light" sewing/fabric room.

3. Includes inspection, testing, repack, maintenance and storage of personnel parachutes, ACESII ejection seat integrated personnel/drogue chutes, cargo parachutes, deceleration (Drag) parachutes, escape slides (C-5 & KC-135), PLZT/Mil-G Goggles/ALEP, thermal curtains, 46-person rafts (C-17 - 3 per aircraft), 25-person rafts (C-5 - 4 per aircraft), 20-person rafts (KC-135 - 3 per aircraft/C-130 - 4 per aircraft), 1-person rafts , life preservers, survival kits/vests, body armor, comm devices (radios/beacons), security operations (safe/weapons), flight line operations, long term storage & staging of equip, anti-exposure suits, PCK, EPOS, EEBDs, restraint harnesses, sea rescue kits, tester workspace/storage and bench stock/supply storage, "heavy" sewing/fabric room. Also includes packing tables for personnel parachutes (2 @ 5' x 50' = 250 SF each) and drag chutes (2 @ 5' x 100' = 500 SF each).

4. Flying personnel equipment storage (e.g., Primary Aircraft Mission Design Series Aeromedical, Flight Surgeon, Combat Camera, Aircrew)

5. KC-X includes the KC-46, KC-135, and KC-10.

6. Guardian Angel units.

4.5. Base Airfield Operations Management (FAC 1412; CATCODE 141-453): This facility provides space for functions necessary for daily airfield operations and should be located near the main aircraft parking areas and runways. Airfield management is authorized space based on **Table 4.6**. Airfield Management / Base Operations facilities at Joint Air Reserve Bases use Active-Duty requirements found in AFMAN 32-1084. There will be only one host operated base operations facility unless special circumstances exist.

Table 4.6. Base Operations Facility.

DESCRIPTION	SCOPE (NSF)
Airfield Manager	120
Deputy Airfield Manager	100
Airfield Operations Manager (as applicable)	100
Airfield Management Staff (Base Operations Staff)	36 FT + 20 PT
Flight Planning	400
Flight Plan Filing – Ops Desk (Dispatch)	200
Pilot Briefing (if applicable)	300
DV Lounge[1] (if applicable)	150
PAX Terminal (if applicable)	User justified

Storage (Maps and Charts)	200
Storage – Secure (Crew Comm.)	150
Storage – Equipment (Tool Storage)	200
Weather[2]	650
Radar, Airfield & Weather Systems (ATCALS) / GCA / Radar Approach Control (RAPCON)[3]	User justified
Transient Alert (vehicle) (if applicable)	250 (User justified)

Notes:

1. A distinguished visitor's lounge (not to exceed 400 SF) may be included in the Base Operations facility.

2. The Weather Section is located within the Base Operations facility and includes space for the forecasting office, supervisor office, computer workstations, automated weather observation equipment, and aircrew briefing. The weather office should include windows that face the runway complex and have direct access to a point that provides a clear view of the runway and approach zones. A total of 650 SF is authorized for the Weather Section.

3. Radar, Airfield and Weather Systems; Air Traffic Control and Landing Systems; Ground Control Approach; Radar Approach Control.

4.6. Air Traffic Control Tower (FAC 1413; CATCODE 149-962): This facility is necessary for safe and efficient conduct of flight operations. Use the Design Guide for Air Traffic Control Towers/ RAPCON and HQ AFFSA design requirements in accordance with AFMAN 32-1084.

4.7. Squadron Operations (FAC 1412; CATCODE 141-753): Space authorization for the Squadron Operations facility is dependent on the type and number of weapons systems operated by the flying squadron and the number and composition of assigned aircrews. The authorizations shown in the following tables are established based on typical squadrons. Space authorizations for unique weapons systems or mission configurations will be determined on a case-by-case basis. Squadron Operations facilities for fighter units, as well as Cyberspace, Space, and Intelligence Squadrons, may require access to ICD 705 accredited work areas. See **Paragraph 2.7** for procedures to request ICD 705 compliant facility construction.

4.8. Squadron Operations – Airlift / Tanker / Bomber / Weather Reconnaissance (FAC 1412; CATCODE 141-753): (53 Weather Reconnaissance Squadron, Keesler AFB, MS; 12 Operations Weather Flight, Scott AFB, IL; and 5 Operations Weather Flight, Shaw AFB, SC) Typical authorizations are shown in the table below.

Table 4.7. Squadron Operations – Airlift / Tanker / Bomber (B-52) / Weather Reconnaissance.

DESCRIPTION	SCOPE (NSF)				
	8 PAA	12 PAA	AFRC Associate[2]		Additional Co-located Airlift/Tanker[2]
			Airlift	Tanker	
Squadron Commander	140				
DO (Operations Officer)	140				
ADO	100				
First Sergeant	100				
Squadron SEL (Superintendent)	100				
Executive Officer	65 FT + 36 PT				
SARM	36 FT + 20 PT + 100				
CSS	36 FT + 20 PT + 1506				
Flight Commander	100				
Squadron Medical Element	36 FT + 36 PT				
Aircrew Briefing (typ 15 SF EA)	1,000	1,500	1,000	1,000	300
Conference Room	300				
Mission Planning (do not duplicate in other Sqds)	700	1050	700	700	0
Intel[1] (do not duplicate in other Sqds)	36 FT + 20 PT + 400 min (User justified)				
Tactics (Bomber – Weapons & Tactics)	36 FT + 20 PT				
Standards & Evaluations	36 FT + 20 PT				
Intel / Tactics / Standards & Evaluations Additional Space[3]: Testing Room / SIPR / Secure Storage / Conference room / workspace table, as applicable (do not duplicate)[4]	200 EA (User justified)				
Aircrew Training	36 FT + 20 PT				
Scheduling	36 FT + 20 PT, (typically 200 to 400)				
Current Ops	36 FT + 20 PT				
Ops Desk	20 EA				

Chief Pilot / Navigator / Weather / Loadmaster / Boom / Engineer / Electronic Warfare[5]	100 (FT & PT)				
Pilot / Navigator / Weather / Loadmaster / Boom / Engineer / Electronic Warfare Workroom[5]	36 FT + 10 EA, (typically 300 to 600)				
Weather Reconnaissance Formal Training Unit[8]	100 per instructor + 30 per student (typically 10 EA)				
Flight Engineer Classroom (C-5 Unique)	100 per instructor + 30 per student (typically 10 EA)				
Loadmaster Classroom (C-5 Unique)	100 per instructor + 30 per student (typically 10 EA)				
Flight Simulator (typically OSS)	User justified				
Aircrew Readiness[7] (Aircrew Alert Facility)	See **Paragraph 4.12.** (Refueling Squadron & Strategic Bomber Squadrons if authorized)				
Storage - General	User justified – 4 EA				
Heritage Room	500	600	500	500	500
Storage – Mobility	5 EA (if applicable)				
Personnel Lockers	(4 EA *1.5)/2				
Shower Room	**See Paragraph 2.6.**				
Fitness Room	400	600	0	0	200

Notes:

1. Intelligence function office and work area must be secure.

2. Associate squadrons authorization represents AFRC sole-use space required when a Reserve squadron is associated with Active-Duty counterpart. Additional Squadron authorization represents additive space required for an additional co-located AFRC squadron at either host or tenant operating locations.

3. Testing Room / SIPR / Secure Storage / Conference Room / workspace table could apply to Standards & Evaluations, Weapons and Tactics, and Intel – User justified. Do not duplicate…space is only earned once.

4. For installations that have Standards & Evaluations, Weapons and Tactics, or Intel at the Group level, apply this space requirement to **Table 4.1.** Do not duplicate…space is only earned once.

5. C-130H has Pilots, Engineers, Loadmasters & Navigators; C-130J has Pilots & Loadmasters; C-5 has Pilots, Engineers & Loadmasters; C-17 has Pilots & Loadmasters; KC-135 & KC-46 has Pilots & Booms; B-52 has Pilots, Navigators & Electronic Warfare.

6. 150 SF for reception/orderly room/sign-in area.

7. Aircrew Readiness – Facility designated for alert crews and aircraft that directly support the national emergency war order and are in continuous ready-to-go status.

8. AFRC A3/10 is responsible for development and execution of a Weather Recon Formal Training Unit (DAFPD 10-9, Lead Command/Lead Agent Designation and Responsibilities for United States Air Force Weapon Systems, Non-Weapon Systems, and Activities, paragraphs 3.4.1., 3.4.5., 3.4.6. and AFMAN 11-2WC-130JV1, C-130J Aircrew Training, paragraph 1.4.1.1.). Additionally, AFMAN 11-2WC-130JV1 paragraph 1.4.5. directs that the 403 OG, Keesler AFB, MS, will maintain a WR Formal Training Unit.

9. WRS is a 10 PAA unit, authorizations should be based on a 12 PAA unit.

4.9. Squadron Operations – Fighters / Helicopter (FAC 1412; CATCODE 141-753): Typical authorizations are shown in the table below. Squadron Operations facilities for fighter units, as well as Cyberspace, Space, and Intelligence Squadrons, may require access to ICD 705 accredited work areas. See **Paragraph 2.7** for procedures to request ICD 705 compliant facility construction.

Table 4.8. Squadron Operations – Fighters / Helicopter.

DESCRIPTION	SCOPE (NSF)		
	16 PAA / HH-60	**24 PAA**	**AFRC Associate**
Squadron Commander	140		
DO (Operations Officer)	140		
ADO	100		
First Sergeant	100		
Squadron SEL (Superintendent)	100		
Executive Officer	65 FT + 36 PT		
SARM	36 FT + 20 PT + 100		
CSS	36 FT + 20 PT + 150		
Aircrew Briefing (typically 15 SF EA)	750	1,200	(User justified)
Conference Room	300		
Mission Planning	600	960	(User justified)
Briefing Room (Fighters) (User justified)	150 room or 20 SF per person (User justified)		
Flight Commander	100 EA		
Squadron Medical Element	36 FT + 20 PT		
Scheduling	36 FT + 20 PT (typically 450 to 720) / 0 for Associate		

Operations Plans	36 FT + 20 PT		
Aircrew Training	36 FT + 20 PT		
Intel1 (do not duplicate in other Squadrons)	36 FT + 20 PT + 400 min (User justified)		
Standards & Evaluations (do not duplicate)	36 FT + 20 PT (typically 300 – 400)		
Weapons and Tactics	36 FT + 20 PT (typically 300 – 480)		
Intel / Tactics / Standards & Evaluation Additional Space[3]: Testing Room / SIPR / Storage - Secure / Conference room / workspace table, as applicable (do not duplicate)[2]	200 EA (User justified)		
Pilot Workroom	36 FT + 10 PT		
SMA Workroom (Special Mission Aviation) (Engineers & Gunners) (HH-60)	36 FT + 10 PT		
EWO (HH-60)	100		
Flight Simulator	(User justified)	(User justified)	0
Heritage Room	500	600	400
Storage – General	User justified – 4 EA		
Fitness Room	400	600	
Storage – Mobility	5 EA (if applicable)		
Personnel Lockers	(4 EA *1.5)/2		
Shower Room	See **Paragraph 2.6.**		

Notes:

1. Intelligence function office and work area must be secure.

2. For installations that have Standards & Evaluations, Weapons and Tactics, or Intel at the Group level, apply this space requirement to **Table 4.1.** Do not duplicate…space is only earned once.

3. Testing Room / SIPR / Secure Storage / workspace table could apply to Standards & Evaluations, Weapons and Tactics, and Intel. Do not duplicate…space is only earned once.

4.10. Squadron Operations – Intelligence / Cyberspace / Space (FAC 1444; CATCODE 141-454): These Squadrons are typically associates to the Active Duty. **Table 4.8** provides typical functions and space authorizations. Functions and space authorizations for these unique weapons systems or mission configurations will be determined on a case-by-case basis. Squadron Operations facilities for Cyberspace, Space, and Intelligence Squadrons may require access to ICD

705 accredited work areas. See **Paragraph 2.7** for procedures to request ICD 705 compliant facility construction.

4.11. Contingency Response Squadron (CRS) / Contingency Response Flight (FAC 1444; CATCODE 141-454): (previously was the Airlift Control Flight). CRS units are authorized square footage based on the table below for all administrative, training, storage, and functional workspace. Facilities should include high bay storage areas to facilitate vertical storage of mobility equipment to the maximum extent possible.

Table 4.9. Contingency Response Squadron (CRS) / Contingency Response Flight.

DESCRIPTION	CRE (103 - 108) SCOPE (NSF)	CRTx2 (59) SCOPE (NSF)
Leadership / Operations		
Squadron Commander	140	140
First Sergeant	100	100
DO (Operations Officer, Deputy)	100	100
Squadron SEL (Superintendent)	100	100
CSS	36 FT + 20 PT	
Financial Management	36 FT + 20 PT	na
Weather	36 FT + 20 PT	
Command Post	36 FT + 20 PT	
Intel	36 FT + 20 PT	na
Intel Officer	36 FT + 20 PT	na
Communications	36 FT + 20 PT	
Civil Engineering		
CE Officer	36 FT + 20 PT	na
CE	36 FT + 20 PT	
Emergency Management	36 FT + 20 PT	na
Power Production	36 FT + 20 PT	
Airfield Operations		
Airfield Management	36 FT + 20 PT	
Airfield Systems	36 FT + 20 PT	na
Air Traffic Control	36 FT + 20 PT	na
Aircraft Support		
Crew Chief	36 FT + 20 PT	

Fuels	36 FT + 20 PT	
AGE	36 FT + 20 PT	
Security Forces		
Security Forces	36 FT + 20 PT	
Security Forces Officer	36 FT + 20 PT	
Storage – High Value Item	100	
Storage – General	4 EA	
ProGear	5 EA	
Training Gear	5 EA	
Vault for Deployable Weapons Storage	200	
Logistics		
Logistics Readiness Officer	36 FT + 20 PT / 10 EA	
Air Trans (Aerial Port)	36 FT + 20 PT	
Supply	36 FT + 20 PT	na
Log Plans	36 FT + 20 PT	na
Persco	36 FT + 20 PT	na
Traffic Management Office	36 FT + 20 PT	
Vehicle Maintenance	36 FT + 20 PT	
Other		
Loadmasters Workroom	36 FT + 20 PT / 10 EA	
Operations Workroom	36 FT + 20 PT / 10 EA	
Training Room (Classroom - User justified)	1000	
Communications Maintenance Workroom	300	
SIPR (User justified)	150	
Breakroom	3 SF / Workspace	
Laundry	100	
Shower Room	See **Paragraph 2.6.**	
Storage - Mobility (User justified)	4 EA	
Storage – Mobility/Pallet/Buildup (high bay)	2500	
Personnel Lockers	(4 EA * 1.5)/2	
Vehicle Garage	1400	

Storage - UTC Equipment	See **Table 4.10.**
Notes: 1. 150 sf for reception/orderly room/sign-in area. 2. Additional mobility storage space is required for UTC equipment items that may be assigned to the CRE/T unit. The following additional authorizations (net) are approved for specific UTC packages.	

Table 4.10. CRS - Tanker / Airlift Control Flight UTC Packages.

Previous UTC	SCOPE (NSF)
7E1A1 (CRT)	1,560
7E1SF (CRT)	240
UFMPS (CRE/T)	480
7E1A2 (CRE)	5160
7E1AD (CRE)	1,200
7E1SF (CRE)	920
UFMPL (CRE)	480

4.12. Aircrew Readiness (Aircrew Alert Facility) (FAC 1412; CATCODE 141-459): Temporary aircrew alert operations may be established in existing facility space as required to meet mission training and exercise requirements. Facility requirements include a study and lounge/dayroom, along with recreational space; kitchen/dining area capable of long-term sustainment of the aircrew alert force to include food preparation area, food storage, and dining; and sleeping quarters (single rooms) for 20 people with semi-private bathrooms. The facility will also need to have provisions for an officer on duty/Aircrew Readiness Manager who can immediately respond. The operational alert mission functions are accomplished in another facility.

Table 4.11. Aircrew Readiness (Aircrew Alert Quarters).

DESCRIPTION	SCOPE (NSF)
Mission Planning / Study	200
Dayroom / Lounge	200
Kitchen / Dining	1,000
Fitness / Hobby	300
Crew Quarters	20 @ 100 EA = 2,000
Semi-Private Bathroom	10 @ 150 EA = 1,500
Laundry	100

4.13. Air Mobility Operations (FAC 1412; CATCODE 141-753): The Air Mobility Operations Squadron provides Air Force Reserve staff and expertise to Air Mobility Command in the Air and Space Operations Center. AFRC Air Mobility Operations Squadron are allocated space based on the table below.

Table 4.12. Air Mobility Operations Squadron (Travis & McGuire).

DESCRIPTION	SCOPE (NSF)
Squadron Commander	140
DO	140
ADO	100
Senior ART / AGR	100
ART /AGR	65
Squadron SEL (Superintendent)	100
CSS	36 FT + 20 PT + 150
Operations Plans Flight (AMO)	
Flight Commander	100
Plans	36 FT + 20 PT
Standards & Evaluations Flight (AMV)	
Flight Commander	100
Standards & Evaluations	36 FT + 20 PT
Testing Room (User justified)	200
Readiness Flight (AMR)	
Flight Commander	100
Readiness	36 FT + 20 PT
Training Flight (AMT)	
Flight Commander	100
Training	36 FT + 20 PT
Strategy Flight (AMX)	
Flight Commander	100
Strategy	36 FT + 20 PT
Training Room (Classroom - User justified)	300
Storage - General	4 EA

Breakroom	3 SF / Workspace

4.14. Guardian Angel Squadron Operations (FAC 1444; CATCODE 141-743): Facility provides administrative, training, storage, and functional workspace for personnel assigned to the Guardian Angel squadron.

Table 4.13. Guardian Angel Squadron Operations.

DESCRIPTION	SCOPE (NSF)
Command Section	
Squadron Commander	140
Squadron SEL (Superintendent)	100
UTM	36
First Sergeant	100
CSS	36 FT + 20 PT + 1501
Conference Room	20 / Person (300 max)
Storage	50
Standards & Evaluations	36 FT + 20 PT
Breakroom	3 SF / Workspace
Operations Section	
DO	140
Superintendent	65
Briefing Room	20 / Person
SARM	36 FT + 20 PT
Red Team Flight	
Flight Commander	100
Deputy Flight Commander	100
NCOIC	36 FT + 20 PT
Current Operations	36 FT + 20 PT
Scheduling	36 FT + 20 PT
Weapons & Tactics	36 FT + 20 PT
Intelligence / SIPR	600
Combat Arms Training and Marksmanship	36 FT + 20 PT
Training	36 FT + 20 PT

Silver Team Flight	
Flight Commander	100
Deputy Flight Commander	100
Flight Chief	100
Team Room	36 FT + 20 PT
Blue Team Flight	
Flight Commander	100
Deputy Flight Commander	100
Flight Chief	100
Team Room	36 FT + 20 PT
IRR/Project Loss	36 FT + 20 PT
Logistics Flight	
Flight Chief	100
Superintendent	65
Mission Support Element	
Flight Surgeon	100
Exam Rooms (2)	120 EA
Medical Logistics	100
Medical Training	36 FT + 20 PT
Medical Material Storage	1,600
Medical Training Room	400
Supply Receiving & Storage	2,400
Vehicle Maintenance	36 FT + 20 PT
Vehicle Workshop	510 / Bay
Logistics Plans	36 FT + 20 PT
Master Diver	36
Scuba Maintenance & Storage	1,400
Maritime Training Room	400
Logistics Management	36
Supply	36 FT + 20 PT
Ground Radio	36 FT + 20 PT

Admin and Cyber Comm	36 FT + 20 PT
Communication Maintenance	375
General / Shared Space	
Training Room	1,200
Breakroom	3 SF / Workspace
Weapons Vault	600
Weapons Cleaning / Maintenance	350
Shower Room	See **Paragraph 2.6.**
GA Gear Lockers	100 EA
Storage/Staging/Buildup	24,000
Climbing Tower Trainer	User justified
AFE Element	
AFE	7,000
Parachute Drying Tower	1,250
Notes: 1. 150 sf for reception/orderly room/sign-in area. 2. A SCIF may or may not be authorized. See **Paragraph 2.7.** 3. Athletic Fields requirements must be validated by A4C on a case-by-case basis. Squadrons should utilize existing fields when available.	

Table 4.14. Guardian Angel Human Performance Optimization Facility.

Human Performance Optimization Facility	SCOPE (NSF)	NOTES
HPP	36 FT + 20 PT	
Interior Multi-Purpose Training Area	500	
Cardiovascular Training Area	500	Minimum 24 ft wide
Strength Training Area	500	Minimum 24 ft wide
Training Kitchen/Nutritionist Area	200	
Strength Coach Area	36	
Unisex Latrine	120	ADA Compliant
Classroom	400	20 people
Hydrotherapy Room	250	Floor drains, wall mounted hose faucet
Shower Room	See **Paragraph 2.6.**	

Physical Therapist	36	
Physical Therapy Room	250	
Physical Therapy Storage	150	
Aquatic Simulator	2,000	6-30 ft deep pool

Notes:

1. Provide 16,200 SF of separate secured unconditioned space for mobility/training equipment storage (ATVs, Zodiacs, boats and trailers, motorcycles, rescue craft, and ISU 90s).

2. Do not duplicate space with other Group / Wing functions if work is accomplished in other facilities.

3. If Guardian Angel units are co-located on the same installation with HH-60 or C-130 units, requirements should be combined.

4.15. Remotely Piloted Aircraft Squadron Operations (FAC 1331; CATCODE 149-511): Facility provides administrative and training space for personnel assigned to the Unmanned Aerial Vehicle (UAV) Squadron. AFRC associate UAV Squadrons perform mission activities in Active-Duty facilities but require dedicated training and administrative space for AFRC unique functions. Squadron Operations facilities for UAV operations units, as well as their intelligence flights, require access to ICD 705 accredited work areas. If PL3 secured are authorized addition 4 EA for storage. See **Paragraph 2.7** for procedures to request ICD 705 compliant facility construction.

Table 4.15. Geographically Separated Unmanned Aerial Systems (2 SOS @ Hurlburt).

Geographically Separated Associate Unmanned Aerial Systems – (UAS)	**Unclassified (NSF)**	**SCIF (NSF)**	
		Ops Floor	**Office Area**
Squadron Commander	140		
DO (Opss Officer)			140
First Sergeant	100		
CSS	36 FT + 20 PT + 150		
Aircrew Briefing			1200
Conference Room	300		
Squadron SEL	100		
UTM	36 FT + 20 PT		
Safety	36 FT + 20 PT		
Facilities	36 FT + 20 PT		

SARM	36 FT + 20 PT		
Flight Commander	100 EA		
Resource Advisor	36 FT + 20 PT		
Unit Health Monitor	36 FT + 20 PT		
Director of Staff	100		
Personnel Director	36 FT + 20 PT		
Scheduling	36 FT + 20 PT		
Day Room	300		
Operations Plans	36 FT + 20 PT		36 FT + 20 PT
Mission Planning			300 Min, 36 FT + 20 PT
Operations Center	36 FT + 20 PT		
Operations	36 FT + 20 PT		
Operations Superintendent	36		
Senior Intel Officer	36		
Intel Superintendent	36		
Intel	36 FT + 20 PT		
Sensor Operators	36 FT + 20 PT		
Pilots	36 FT + 20 PT		
TR Workroom	10 EA		
Intelligence, Surveillance & Recon			300 Min, 36 FT + 20 PT
Operations Training			300 Min, 36 FT + 20 PT
Standard/Evaluation			300 Min, 36 FT + 20 PT
Testing Room			100
Weapons & Tactics	36 FT + 20 PT		
IT Room	36 FT + 20 PT		
Comm Vault (Equipment rack / Mission Areas)		576 or A=A	
Personnel Lockers	(4 EA * 1.5)/2		
Heritage Room	600		
Fixed GCS		264 EA or A=A	

Portable GCS		A=A	
Fitness Room	600		
Shower Room	See **Paragraph 2.6.**		

Table 4.16. Associate Unmanned Aerial Systems (SOS, Attack Squadrons/ATKS, etc.) (Creech, Holloman)

DESCRIPTION	UNCLASSIFIED (NSF)
Squadron Commander	140
DO (Operations Officer)	140
Squadron SEL (Superintendent)	100
Executive Officer	65 FT + 36 PT
First Sergeant	100
CSS	36 FT + 20 PT + 1501
Resource Advisor	36 FT + 20 PT
Director of Staff	100
Flight Commander	100
Flight Superintendent	65
Operations Plans	36 FT + 20 PT
Operations	36 FT + 20 PT
UTM	36 FT + 20 PT
Intel	36 FT + 20 PT
Combat Operations	36 FT + 20 PT
TR Workroom (Computer workstations)	10 EA
Heritage Room	250
Storage – General	User justified – 4 EA
Conference Room	300
Shower Room	See **Paragraph 2.6.**
Personnel Lockers	(4 EA * 1.5)/2
Notes: 1. 150 SF for reception/orderly room/sign-in area.	

4.16. Aeromedical Evacuation Squadron (FAC 1711; CATCODE 171-449): In general, Aeromedical Evacuation Squadrons (AES) train to perform in-flight patient care, command and control, and operational support for the joint patient movement mission.

Table 4.17. Aeromedical Evacuation Squadrons.

DESCRIPTION	SCOPE (NSF)
Squadron Commander	140
DO	140
ADO	100
Executive Officer	65 FT + 36 PT
First Sergeant	100
Squadron SEL (Superintendent)	100
CSS (Admin, Systems, Personnel, etc.)	36 FT + 20 PT +150[1]
Career Advisor	36
Conference Room	300
Chief Nurse	100
Nursing Services Superintendent	36
Standards & Evaluations (AEV)	36 FT + 20 PT / 10 EA
Testing Room	See special purpose space below
UTM	36
AES Technicians (all others)	36 FT + 20 PT / 10 EA
Training Flight (AET)	
Flight Commander	100
Flight Chief	100
Training	36 FT + 20 PT / 10 EA
Clinical Management Flight (AEC)	
Flight Commander	100
Flight Chief	100
Clinical Management (Nursing Services / Clinical Services)	36 FT + 20 PT
Infection Control	36 FT + 20 PT
Safety (User justified)	36 FT + 20 PT
Operations Flight (AEO)	
Flight Commander	100
Flight Chief	100
Mission Management	36 FT + 20 PT / 10 EA

SARM	36 FT + 20 PT +100
Mission Planning	700
Scheduling	36 FT + 20 PT
Operations Support Flight (AER)	
Flight Commander	100
Flight Chief	100
Operations Superintendent	65
Medical Readiness	36 FT + 20 PT / 10 EA
UDM	36
Logistics	36 FT + 20 PT / 10 EA
Cyber Flight (AEI)	
Flight Commander	100
Cyber	36 FT + 20 PT / 10 EA
Special Purpose	
Conference Room	300
Testing Room (for Stan Eval)	200
End Piece of Equipment Lab	300
Training Room (& Computer Lab space)	150 per crew (User justified) **1,200 max**
Training - Ancillary Training (User justified)	300 / User justified
Shower Room	See **Paragraph 2.6.**
Personnel Lockers	(4 EA * 1.5)/2
Breakroom	3 SF / Workspace
Storage – General	User justified – 4 EA
Storage - Secure Medical Supplies (meds)	100
Storage – In-Flight Equipment	900 (User justified)
Storage - Mobility/Pallet/Buildup	1,200 (User justified / if applicable)
Storage – Hazardous (User justified)	200
Notes: 1. 150 SF for reception/orderly room/sign-in area. 2. Variation in space authorization for AES will be reviewed and validated on a case-by-case basis by HQ AFRC/A3. Additions of various combinations of AE crews, communications,	

system support, ground C2 should drive authorized facility space increases commensurate with the number/volume of these UTCs.

4.17. Airfield Pavements: Refer to AFMAN 32-1084**.**

4.18. Airfield and Navigational Aids: Refer to AFMAN 32-1084.

4.19. General Criteria. AFRC requirements for items in this group are determined in the same manner as for Active-Duty units when located on Air Force installations. Adherence to these requirements at other locations may not always be possible due to the multiplicity of situations under which AFRC operates. Federal Aviation Administration (FAA) airfield criteria are normally used for construction of runways, taxiways and associated work located on civil airports.

4.20. Civil Airport Criteria. The criteria are detailed in AFMAN 32-1084.

4.21. Apron (FAC 1131; CATCODE 113-321): Follow active force criteria. AFRC will not construct ramp space for transient aircraft parking but will provide transient aircraft parking on existing ramp space on an as-available basis.

4.22. Airfield General Criteria. At AFRC owned locations, AFRC is responsible for air traffic control, air navigation facilities, Meteorological and Navigational Aids facilities and equipment, and airfield lighting. At joint use facilities, AFRC is responsible for these functions and facilities as described in the applicable Joint Use Agreement. AFRC responsibility will include, but is not limited to, operating and/or maintaining permanently installed Navigational Aids systems such as control towers, radar facilities, ground-controlled approach, RAPCON, instrument landing system, Very High Frequency omnidirectional range, tactical navigational aid, airport surveillance radar, and precision approach radar (PAR) navigational aids. All facilities will meet standard requirements established in AFMAN 32-1084.

4.23. Airfield Special Criteria. The installation of ground-based aids to air traffic control, air navigation facilities, and airfield lighting at civil airports is normally accomplished by the FAA and airport authority. The FAA has the responsibility for, and normally programs for, these facilities.

Chapter 5

MAINTENANCE FACILITES

5.1. Maintenance Group Command Section (FAC 6102; CATCODE 610-243): The Maintenance Group Commander and associated staff are authorized space based on the following table.

Table 5.1. Maintenance Group Command Section.

DESCRIPTION	SCOPE (NSF)
Group Commander	160
Deputy Commander	160
Executive Officer	65 FT + 36 PT
Group SEL (Superintendent)	140
Conference Room	535
Administration	65
CSS (Unit Program Coordinator)	36 FT + 20 PT
Maintenance Operations Officer	100
Maintenance Operations Superintendent	100
Career Advisor	36
Quality Assurance (QA)	36 FT + 20 PT
Analysis	36 FT + 20 PT
Plans & Scheduling (Programs & Mobility / Programs & Resources)	36 FT + 20 PT
MOC (Maintenance Operations Center)	36 FT + 20 PT + 200
UTM	36
UDM	36
Resource Advisor	36
Engine Management	36
Wing Weapons Manager (Unit Equipped)	36
TO/DO	100
Training Room	300
Breakroom (if applicable)	3 SF / Workspace
Storage – General	User justified - 4 EA

5.2. Aircraft Maintenance Squadron (AMXS) (FAC 2112; CATCODE 211-154): Aircraft Maintenance Squadron or "flightline maintenance" is responsible for maintenance and inspection of unit assigned aircraft. Facility requirements are determined by the weapons system supported, number of assigned aircraft, and hours of maintenance operations. Use the authorizations shown in **Table 5.2** for units supporting 8 to 12 PAA airlift/aerial refueling, 24 PAA fighter, and 8 PAA bomber units. Additional authorizations for units required to support additional PAA will be determined on a case-by-case basis in coordination with HQ AFRC/A4M.

Table 5.2. Aircraft Maintenance Squadron.

FUNCTION	**SCOPE (NSF)**								
			Combat Search and Rescue					**Associate**	
	Fighter	**B-52**	**Heli**	**HC-130**	**C-130**	**C-5 / C-17**	**KC-X**	**Tanker / Airlift**	**Fighter**
Squadron Commander	140								
CSS	36 FT + 20 PT + 150[1]								
Maintenance Operations Officer	140								
Squadron SEL	100								
First Sergeant	100								
Safety, Security Mngr, UDM, UTM	36								
TO/DO	100								
SIPR (if applicable)	200								
Flight Chief / Commander[2]	100								
Flight Superintendent[2]	65								
Section Chief [3]	65								
Expeditor	36 FT + 20 PT								
Production	36 FT + 20 PT								
Support	36 FT + 20 PT								
APG	10 FT + 10 PT								
Specialist	10 FT +10 PT								
Comm / Nav	10 FT +10 PT								

E & E	10 FT +10 PT								
Propulsion	10 FT +10 PT								
Weapons	10 FT +10 PT								
Weapons Load Training	See **Paragraph 5.11.** for Fighters & B-52								
Avionics (Comm / Nav)	10 FT +10 PT								
Personnel Lockers	(4 EA * 1.5)/2								
Maintenance Debrief	500	400	300	200	200	200	200	200	300
Conference Room	400	500	400	400	300	300	300	300	300
Training Room	900 typical								
Dash 21[4]	0	0	2K	1K	2K	4K	2K	0	0
AME[5]	2K	4K	2K	0	0	0	0	0	0
CTK	800	1K	400	800	800	1.2K	800	0	0
Support Equip Maintenance[6]	4K	6K	3.2K	3.5K	3K	4.5K	3K	0	0
Chaff Room	0	1K	0	0	0	0	0	0	0
ECM Pod Shop & Storage[7]	See **Table 5.6.** (does not apply to C-130 & tankers)								
Breakroom / Ready Room	**3 SF / Workspace * 2 (double the norm)**								
Storage - Hazwaste	200								
Aircraft Armor Kits	80 per PAA (See **Paragraph 5.8.**; tactical & strategic airlift, including HH-60)								

Notes:

1. 150 SF for reception/orderly room/sign-in area.

2. Typical Flights include AMU, Support, Specialist, and/or Weapons.

3. Typical Sections include Expeditors, Production, Support, APG, Specialist, Comm / Nav, E & E, Propulsion, Weapons, and Avionics

4. Dash 21 includes AMU cargo pallets, nets, chains, straps, and devices; as well as aircraft specific storage (fume barrier, engine covers, drogue storage, escape slides, floor panels, etc.), rail storage and maintenance, tool cribs, seat pallets, Air Transportable Galley/Latrine, and tool areas.

5. Alternate Mission Equipment (AME) is equipment that can be installed on or removed from an aircraft to achieve specific mission requirements including military equipment such as aircraft Pylons, missile launchers, bomb racks, and in some cases, auxiliary fuel tanks.

6. Support Equipment Maintenance (SEM) is additional space utilized for accomplishing maintenance on equipment. May be incorporated into other areas such as CTK, etc.

7. Electronic Counter Measures (ECM).

6. Breakroom authorization is twice the normal AND also serves as the Ready Room. Previous versions of AFRCH 32-1001 had Ready Room authorizations of 1,500 to 2,000 regardless of personnel. Number of personnel authorizations are now accounted for in the applicable AMXS Sections, typically consolidated into the APG Section and Specialist Section.

5.3. Hangar (FAC 2111; CATCODE 211-111): Protected space for aircraft maintenance. The facility includes necessary utility systems and limited office/administrative space. Each AFRC airlift or aerial refueling unit with 8 PAA is authorized a minimum of one fully enclosed scheduled maintenance hangar / corrosion wash hangar, one nose dock unscheduled maintenance hangar and one fuel systems maintenance hangar. Northern tier bases should be provided access to a fully enclosed hangar for accomplishing fuel systems maintenance. Additional hangar space may be requested for installations with documented corrosion control issues. Additional information may be found in AFMAN 32-1084. Requests for additional authorized hangar space will be made/approved through HQ AFRC/A4C. Dedicated corrosion control or paint / de-paint hangars are not authorized for AFRC units. The number of dock spaces to be provided for fighter/helicopter units, as well as units with more than 8 PAA can be determined by multiplying the number of primary assigned aircraft by the following factors as shown in **Table 5.3**.

Table 5.3. Hangar Quantity Factors.

AIRCRAFT	FACTOR
Fighter, Helicopter	0.25
C-5	0.16
C-17	0.20
C-130, KC-X, B-52	0.15

Notes:

1. Formula: Number of aircraft by type x factor = required covered spaces. Fuel maintenance/corrosion control hangar (CATCODE 211-179) is included in this number.

2. Example: 12 each C-130 x .15 = 1.8 or 2 covered spaces.

5.4. Maintenance General Purpose Shops (FAC 2112; CATCODE 211-152): Use the following authorizations for shops supporting 8 helicopters, 8 to 12 PAA airlift/aerial refueling, 24 PAA fighter units, and 16 PAA bomber units. Shop space required to support additional PAA will be determined on a case-by-case basis in coordination with HQ AFRC/A4M.

Table 5.4. Maintenance Squadron and Shops (MXS) Sized by Weapon System.

FUNCTION	**SCOPE (NSF)**						
	Fighter	**B-52**	**Heli**	**C-130**	**KC-X**	**C-5**	**C-17**
Squadron Commander	140						
Maintenance Officer	140						
Squadron SEL	100						
First Sergeant	100						
CSS	36 FT +20 PT +150						
Conference Room	300						
Engine Management[1]	36 FT + 20 PT						
Flight Chief / Commander	100						
Section Chief	65 (FT + PT) (typically included in overall shop authorization) dedicated space required for Associate units						
Training Room	900						
Personnel Lockers	Included as part of overall shop authorization						
CTK	Included as part of overall shop authorization						
Breakroom	3 SF / Workspace						
Fabrication Flight (MXMF)							
Metals Technology	5K					6.5K	
Structures	2.5K	8K	2.5K				
Corrosion Control[2] (includes 2,000 for dirty/clean transition)	4.9K	7.5K	4.9K			5.4K	
Fiberglass, Composite Materials	1K	0	700		700 (6K KC-46)	2.5K	3.2K
NDI [3]	4K						
Propulsion Flight (MXMP)							
Engine Shop / Auxiliary Power Unit Inspection and Maintenance	7.1K	10.2K		7.1K	6.9K	10.2K	
Storage - Hazwaste	200						

Maintenance Flight (MXMT)							
Wheel & Tire / Aero Repair	1.5K	2K	1.5K	2K	2K (5K KC-46)	2K	
Isochronal Shop Mgt / (Periodic Eval)	36 FT + 20 PT						
Home Station Checkpoint	36 FT + 20 PT						
Accessories / Fuel Systems Flight (MXMC)							
Electric, Environ, Battery	1.5K	2.5K				4.5K	3K
Egress	1K	3.2K	0				
Hydraulic[4]	1K	2.5K	1K	1.5K	1.5K (2K KC-46)	2K	1.7K
Fuels Systems[5]	2.5K (See Note 5, F-16s get an additional 3K)						
Avionics / ECM Flight (MXMV)							
Avionics	See **Paragraph** 5.5.						
ECM Pod Shop & Storage	See **Paragraph 5.6.**						
Precision Management Equipment Lab	200						
AGE Flight (MXMG)							
AGE	See **Paragraph 5.7.**						
Munitions Flight (MXMW)							
Munitions	See **Paragraph 5.10.**						
Armament Flight (MXMR)							
Armament	Fighters & B-52 (User justified)						
Weapons & Release	Fighters & B-52 (User justified) See **Paragraph 5.10.** and **5.14.**						
Other							
Crash Recovery	800 min						
Aircraft Armor Kits	80 per PAA ((See **Paragraph 5.8.**; tactical & strategic airlift, including HH-60)) typically in AMXS						
Aircraft Jack Stand	500 (**See Paragraph 5.9.**)						
Notes: 1. C-17 Engine Management is typically accomplished by Boeing.							

2. Paint booths require 10-foot minimum ceiling height. Only one AFRC owned paint spray bay/booth is authorized per base. AFRC units are not authorized any aircraft painting other than maintenance touch-up and then only to the extent authorized by the host environmental office. 2,000 SF was added for Dirty/Clean transition area (based on 40 SF for all/each worker plus 500).

3. If an NDI shop exists on a given base, joint use is required. Facility will not be duplicated.

4. All units with refueling capability require additional space to service the re-fuel boom. This periodical task is normally accomplished in any open area (e.g., engine shop aisle, support equipment shop); however, if no other area is available, an additional 200 SF is authorized for the hydraulic shop. KC-46 shop must not be shared with other weapon systems because the aircraft uses Skydrol™; multi-mission installations should have duplicate hydraulic shops.

5. 2,500 SF is authorized for office / administrative area, tool storage, locker room, breakroom and showers associated with the Fuel Systems Maintenance Dock at those locations with primary assigned aircraft. For F-16s, add 3,000 SF to the Fuel Systems Maintenance Dock for tank buildup/training.

5.5. Avionics Shop (FAC 2171; CATCODE 217-712): This shop is used to perform maintenance on aircraft equipment and accessories such as airborne communications, cameras, bombing, navigation, and fire control systems. The facility includes shop space, classroom, office space, parts/tool storage, restrooms, and locker room space. Use the authorizations shown in **Table 5.5** for units supporting 8 to 12 PAA airlift/aerial refueling, 24 PAA fighter, or 8 PAA bomber units. ECM maintenance and storage may be added to this facility. See Category Code 217-713, ECM POD/Storage. Additional space may be authorized for special requirements unique to that mission. The following space requirements apply:

Table 5.5. Avionics Shop.

AIRCRAFT	SCOPE (NSF)
F-16	7,700
A-10	5,300
F-22	8,000
F-35	0
C-130H/J	1,000
HC-130/HH-60 & MH-139 (See note below)	3,000
KC-135	1,000
KC-46 (Not required)	0
C-17 (See note below)	4,300
B-52	6,500
C-5 (See note below)	6,400 max

Notes:

1. Provide an additional 1,000 SF secure room for C-130 aircraft equipped with defensive systems and 400 SF for HH-60 and MH-139 Helicopters equipped with defensive systems. Provide an additional 600 SF for C-5/C-17 shops supporting aircraft equipped with Large Aircraft Infrared Countermeasures.

5.6. ECM Pod Shop and Storage (FAC 2171; CATCODE 217-713): This facility supports pod activities of aircraft listed in the table below. The facility contains maintenance/testing space for ECM pods and radar warning receivers, storage space for pods, receivers and other needs, locker space restrooms and office space. The function may be added to category code 217-712, Avionics Shop (MXS). However, may be found in either MXS or AMXS. Required areas are shown in **Table 5.6**.

Table 5.6. ECM Pod Shop and Storage.

AIRCRAFT	SCOPE (NSF)
A-10	6,700
B-52	10,500
F-16C/D	8,700
C-17	500
HC-130	3,000
C-5	300
HH-60	400

5.7. Aerospace Ground Equipment (AGE) (FAC 2181; CATCODE 218-712): This facility supports inspection, maintenance, repair, and servicing of all assigned aircraft support equipment. The facility includes shop space, office space, classroom, parts/tool storage, restrooms, and locker room space. Exterior paved parking sufficient for all assigned AGE should be provided. A dedicated AGE fuel service facility may also be provided. **Table 5.7** shows space allocation for the AGE function. AGE washrack space may be separate and thus additional authorization allowed.

Table 5.7. Aerospace Ground Equipment Facility.

NUMBER OF AUTHORIZED PIECES OF AGE	Area		
	SHOP	COVERED STORAGE	OPEN STORAGE
	NSF (*1.15=GSF)	NSF (*1.15=GSF)	Gross yd2
Up to 100	4,696	4,496	57.4
101 to 150	6,000	6,748	86.3
151 to 200	7,000	9,000	115

201 to 250	8,000	11,252	143.8
251 to 300	9,000	13,504	172.3
301 to 350	10,000	15,748	201.3
351 to 400	11,000	18,000	230
401 to 450	12,000	20,252	258.8
451 to 500	12,700	22,504	287.5
501 to 550	13,200	24,748	316.3
551 to 600	13,700	27,000	345
601 to 650	14,200	29,252	373.8
651 to 700	14,700	31,504	402.5
701 to 750	15,200	33,748	431.3
751 to 800	15,700	36,000	460
801 to 850	16,200	38,252	488.8
851 to 900	16,700	40,504	517.5
901 to 950	17,200	42,748	546.3
951 to 1,000	17,700	45,000	575

5.8. Aircraft Jack Test Stand: AGE facilities shall include an aircraft jack test stand - a facility (typically 500 NSF) provided to enclose test equipment protecting it from weather and premature degradation. Aircraft Jack Test Stand facility is not authorized climate control beyond mechanical ventilation.

5.9. Aircraft Armor Kits: Provides storage for armor kits associated with tactical and strategic airlift as required by mission. Add 80 NSF of interior unconditioned storage space per PAA for storage of armor kits, containers cannot be stacked more than 2 high. Aircraft Armor Kits may be found in either MXS or AMXS.

5.10. Weapons and Munitions Facilities: Refer to AFMAN 32-1084 and Air Force Munitions Facilities Standards Guide Volume 1 and Volume 2 for facility requirements.

Table 5.8. Weapons and Munitions Related Facility Summary.

FACILITY	CATCODE
Weapons Load Crew Training Facility	171-875
Missile Assembly Shop / Integrated Maintenance Facility	212-212
Tactical Missile/Glide Weapon Maintenance Shop	212-213
Weapons and Release Systems Shop	215-552
Surveillance and Inspection Shop	215-582
Conventional Munitions Maintenance Shop	216-642
Aircraft Support Equipment Shop / Storage Facility (AGE Facility used for Munitions Support Equipment Maintenance)	218-712
Multi-cubicle Magazine Storage	422-253

Rocket Check Out and Assembly Storage	422-256
Segregated Magazine Storage	422-257
Above Ground Magazine Storage	422-258
Storage Igloo (Earth-covered Magazine)	422-264
Inert Spares Storage	422-265
Module Barricaded Storage	422-271
Ancillary Explosives Facility	422-275
Munitions Administrative Facility	610-144
Note: See **Paragraphs 5.10.1. – 5.10.16.** for descriptions of above facilities.	

5.11. Weapons Load Crew Training (FAC 1711; CATCODE 171-875) Facility designed to provide classroom space for training of loading crews. See AFMAN 21-206, *Aircraft Armament Systems Management*.

5.12. Missile Assembly Shop / Integrated Maintenance Facility (FAC 2121; CATCODE 212-212): This shop provides space for transferring and preparing missiles for operational use, performing organizational level maintenance involving component and subsystem replacement, and performing organizational or bench level maintenance support for certain components. It also supports electrical testing and the evaluation of individual missiles and empty/loaded launcher systems. The maintenance facility consists of drive-through work bays, office space, a tool room, a ready room, and latrines.

5.13. Tactical Missile / Glide Weapon Maintenance Shop (FAC 2121; CATCODE 212-213): This facility accommodates missile and glide munitions assembly and disassembly inspection, testing, and repair. This facility consists of individual drive-through work bays, a test cell room for electrical and resistance checks of rocket motors, and an administrative area for office space, ready and training rooms, a tool and test equipment support room, supply and equipment storage, and a latrine.

5.14. Weapons and Release Systems Shop (FAC 2151: CATCODE 215-552): This facility provides space for off equipment overhaul and repair of aircraft gun systems and weapons release systems that include, but are not limited to, bomb ejection racks, weapons pylons, and missile rotary launchers. The facility includes a maintenance area with work benches, gun and/or ejector unit cleaning room, maintenance offices, dispatch office, bench stock room, and storage space for alternate mission equipment, mobility equipment, test sets, and support equipment.

5.15. Surveillance and Inspection Shop (FAC 2153: CATCODE 215-582): This facility accommodates the initial assembly, inspection, test bench, and minor maintenance of various conventional munitions and their respective components. The maintenance facility consists of drive-through work bays, office space, a tool room, a ready room, and latrines.

5.16. Conventional Munitions Maintenance Shop (FAC 2162: CATCODE 216-642): This facility is used to perform maintenance operations including assembly, disassembly, corrosion control, testing and troubleshooting, repair, and time compliance technical orders on various

munitions components and containers. The maintenance facility consists of drive-through work bays, office space, tool room, a training and ready room, and latrines.

5.17. Aircraft Support Equipment Shop/Storage Facility (AGE Facility used for Munitions Support Equipment Maintenance) (FAC: 2181 CATCODE 218-712): This facility encompasses powered and non-powered AGE maintenance, inspection, repair and servicing functions, and powered munitions AGE, if assigned. It also maintains and holds powered AGE in readiness. The AGE shop inspects, maintains, repairs, and services powered and non-powered AGE directly supporting aircraft and powered munitions AGE, if assigned. It normally includes maintenance stalls with work benches, an indoor wash rack, tool crib, bench stock, sealed lead acid battery servicing area, engine exhaust education system, administrative space, and personnel locker space.

5.18. Multi-cubicle Magazine Storage (FAC 4221; CATCODE 422-253): Facility is used to store flares, rockets, smoke grenades, and small arms ammunition where separate rooms are required. Authorization depends on mission requirements and is established by HQ AFRC/A4MS.

5.19. Rocket Check Out and Assembly Building (FAC 4221; CATCODE 422-256): This facility is an explosive operating and storage building. Explosives use and storage provisions are outlined in DESR 6055.09_AFMAN 91-201, *Explosives Safety Standards*. Authorization depends on mission requirements and is established by HQ AFRC/A4MS. Typical authorization for AFRC units is 11,160 SF when mission requires.

5.20. Segregated Magazine (FAC 4221; CATCODE 422-257): This magazine is used to store small quantities of many different types of explosives and ammunition. Authorization depends on mission requirements and is established by HQ AFRC/A4MS.

5.21. Above Ground Magazine (FAC 4221; CATCODE 422-258): This facility is used to store general munitions as authorized by DESR 6055.09_AFMAN 91-201 and includes small arms ammunition without explosive projectiles, fuse lighters, distress signals, and 20mm/30mm ammunitions without explosive projectiles. Authorization depends on mission requirements and is established by HQ AFRC/A4MS.

5.22. Storage Igloo (FAC 4221; CATCODE 422-264): Facility designed for storage of all types on explosives and preferred for mass detonating explosives where moisture and condensation are not a problem. Structure is earth covered and either concrete or steel construction. Siting must be Department of Defense Explosive Safety Board approved. Authorization depends on mission requirements and is established by HQ AFRC/A4MS.

5.23. Inert Spares Storage (FAC 4421; CATCODE 422-265): Facility designed for storage of inert spares. Authorization depends on mission requirements and is established by HQ AFRC/A4MS. Typical authorization for AFRC units is 2,500 SF when the mission requires.

5.24. Module Barricaded Storage (FAC: 4221; CATCODE 422-271): This facility provides the field storage of large quantities of explosives in minimum land areas where steel-arch, earth-covered igloos are not employed. It is intended for use primarily in austere areas or other locations specifically approved under DESR 6055.09_AFMAN 91-201.

5.25. Ancillary Explosives Facility (FAC: 1494; CATCODE 422-275): This designation may be applied to pads, locations, revetments, and facilities (excluding aircraft parking) of such size

and quantity as required for use such as Classification Yard, Holding Yard, Inspection Station, Interchange Yard, Loading Dock, Ready Explosive Facility, and Bomb Preload Station.

5.26. Munitions Administrative Facility (FAC: 6100: CATCODE 610-144): These facilities house several functions including munitions operations, munitions control, leadership, dispatch, training, etc. Refer to Air Force Munitions Facilities Standards Guide Volume 1 for additional information.

Chapter 6

MISSION SUPPORT

6.1. Mission Support Group Command Section (FAC 6102; CATCODE 610-243): The Mission Support Group Commander and associated staff are authorized square footage based on **Table 6.1**.

Table 6.1. MSG Command Section.

DESCRIPTION	SCOPE (NSF)
Group Commander	160
Deputy Commander	160
Group SEL (Superintendent)	100
Executive Officer	65 FT + 36 PT
Administration	65
CSS (Unit Program Coordinator)	36 FT + 20 PT
CA / RA / UDM / UTM	36
Facilities (tenant locations)	100
Conference Room	535
Storage – General	User justified - 4 EA

6.2. Bioenvironmental Engineering (Environmental Health (FAC 5101; CATCODE 510-176): Bioenvironmental Engineering offices provide occupational protection services to AFRC personnel. The table below shows proposed space allocation.

Table 6.2. Bioenvironmental Engineering.

DESCRIPTION	SCOPE (NSF)
Flight Chief	100
Bioenvironmental Staff	36 FT + 20 PT
Public Health	36 FT + 20 PT
CBRN Prep	150
Training Room	400
Locker Room	See **Paragraph 2.6.**
Shower Room	See **Paragraph 2.6.**
Library	80
Quantitative Fit Test Room	100

Sampling Lab (Water / Environmental)	200
Industrial Hygiene Lab	200
Industrial Hygiene Equipment Storage	150
HSMR Equipment Storage	150
Response Vehicle Staging	600

6.3. Contracting Flight (FAC 6100; CATCODE 610-243): Contracting functions operating at AFRC owned installations are authorized square footage based on the table below. **Table 6.3** shows proposed space allocation for the Contracting office.

Table 6.3. Contracting.

DESCRIPTION	SCOPE (NSF)
Contracting Chief (Chief of Contracting)	150
Administration	100
Contracting Officer (Team Lead)	100
Contract Specialist	36 FT + 20 PT
Storage — General (File Storage)	300
Reception Area (Customer Waiting)	200
Conference Room	300

6.4. Base Engineer Administration (FAC 6100; CATCODE 610-127) & Base Engineer Maintenance Shop (FAC 2191; CATCODE 219-944): The administrative facility provides administrative space for engineering, programming, environmental, and resources flights as shown in **Table 6.4**. The maintenance shop facility includes shop and office space necessary to support all host base facility maintenance functions performed by the Base Civil Engineer (BCE) as shown in **Table 6.4**. Additional space may be provided for additional activities (such as a pavements and ground facility (CATCODE 219-943)) where fully justified, using Active force criteria. Space authorization for mobility tasked Civil Engineering Squadrons is addressed in **Table 6.5**.

Table 6.4. Base Engineer Administration and Base Engineer Maintenance Shop (BOS).

DESCRIPTION	SCOPE (NSF)
ADMINISTRATION	
Base Civil Engineer	140
Deputy BCE	140
Administration	65
Engineering Flight Chief	100
Engineering	65 EA

Environmental Flight Chief	100
Environmental	36 EA
Reproduction/Plans Storage	400
Resources Flight Chief	100
Resources	36 EA
Storage — General	200
Breakroom	3 SF / Workspace
Conference Room	300
Storage — General	User justified – 4 EA
OPERATIONS AND MAINTENANCE[3]	
Operations Chief Contract Quality Assurance Evaluator (QAE) at BOS locations	100
QAE (at BOS contract locations)	100
Production Control	36 EA + 200
Material Control	36 EA + 60
Planning and Programming	36 EA
WORK AREA and SHOP [1,2,3]	
Pest Management	1,000
Roads and Grounds	2,800
Refrigeration, HVAC, Liquid Fuels	1,300
Sheet Metal	1,200
Plumbing	500
Welding Shop	500
Paint	900
Carpentry Shop	1,900
Key Shop	120
Sign Shop	360
Power Production, Electric	1,100
STORAGE [2,3]	
Warehouse	3,000
Paint Storage	120
Storage - Hazwaste	940 (See **Paragraph 6.7.**)

Storage Shed	2,000
Notes: 1. Includes space for four superintendents. 2. Individual shops and storage spaces utilized space saver equipment. 3. At AFRC installations that have contractor operated BOS functions, the contractor personnel should be provided administrative and functional workspace equivalent to the lesser of either a) existing space for that function at the installation or b) the space authorized for their function in this handbook.	

6.5. Base Engineer Storage Shed (FAC 4422; CATCODE 219-947): This facility provides covered storage for items of equipment and supplies required for installation operations and maintenance which do not require regular warehouse storage. A scope of 2,000 SF is authorized for AFRC host base civil engineer organizations.

6.6. Base Engineer Recycling Operations Center (FAC 4421; CATCODE 219-946): This facility provides enclosed and covered storage for equipment and supplies required for operation of the installation recycling program and for storage of recyclable material prior to removal. Facility includes open office space for a single individual and utility connection for recycling processing equipment. A scope of 2,900 SF is authorized for AFRC host installations. Additional outdoor secure space may be provided as required to meet local storage requirements for material prior to removal.

6.7. Hazardous Waste Storage & Transfer Facility (FAC 8314; CATCODE 831-410): Facility provides centralized accumulation for hazardous waste materials prior to transport off base for ultimate disposal. Facility must be constructed and operated in accordance with Federal and State environmental regulations. May be constructed as a separate facility or identified as a separate area within the base hazardous material storage facility. This function is authorized 140 SF for administrative, computer and file storage space and a total of 800 SF for hazardous waste accumulation.

6.8. Civil Engineer Squadron: (FAC 1714; CATCODE 171-443): The Civil Engineer Prime Base Engineer Emergency Force (BEEF) Squadron is separated into two distinct portions; Expeditionary Engineering/Installation Support and Emergency Services. Following are the authorized space allocations for CE Prime BEEF Squadrons.

6.9. CE Expeditionary Engineering and Installat ion Support Functions (FAC 1714; CATCODE 171-443): The Expeditionary Engineering and Installation Support portion of the Civil Engineer Prime BEEF Squadrons at host and tenant locations are authorized square footage based on the table below. At AFRC host base locations the CE Squadron may be co-located with the Base Civil Engineer Administration and Maintenance Facility.

Table 6.5. CE Squadron, Expeditionary Engineering, and Installations Support functions.

DESCRIPTION	SCOPE (NSF)
Squadron Commander	140
DO (Operations Officer)	140

Squadron SEL (Superintendent)	100
First Sergeant	100
CSS	36 FT + 20 PT + 150[1]
Senior ART/AGR	100
ART/AGR	65
Conference Room	300
Resource Advisor	36
UDM	36
UTM	36
Engineering Officer	36
Flight Chief / Commander	100
Flight Superintendent (Operations / CEO)	65
Flight Superintendent (Engineering / CEN)	65
Engineering Assistant	36 FT + 20 PT + 500
Heavy Repair Superintendent (over Structures & Heavy)	65
Structures	10 EA
Heavy	10 EA
Electrical Superintendent (over Electrical & Power Pro)	65
Power Production	10 EA
Electrical	10 EA
Systems Superintendent (Infrastructure) (over HVAC & Utilities)	65
HVAC	10 EA
Utilities (includes Entomology)	10 EA
Operations Management (Production Control)	500
Training Room	900
Breakroom	3 SF / Workspace
Storage — General	User justified — 4 EA
Storage — Equipment (Supply Room)	300
Shop Work Area [2]	1,500 (User justified)
Storage — Mobility/Pallet/Buildup	2,500 (User justified)

Notes:

1. 150 SF for reception/orderly room/sign-in area.

2. Only provide if Host Base Civil Engineer shop space is not available for training use by reservists.

6.10. Emergency Services: The Emergency Services portion of a CE Prime BEEF Squadron consists of three separate and distinct functions; Emergency Management, Fire Emergency Services and Explosive Ordnance Disposal (EOD). A Civil Engineer Prime BEEF organization may contain all or some of these functions. Additionally, these functions may also be present without the other portion of the CE Prime BEEF Squadron. In those instances, the Emergency Services functions must be capable to operate independently.

6.11. Emergency Management (FAC 6100; CATCODE 610-913): The Emergency Management function is normally part of, and co-located with, the Civil Engineer Prime BEEF Squadron.

Table 6.6. Emergency Management.

DESCRIPTION	SCOPE (NSF)	
	Host	Tenant
Flight Chief / Commander	100	100
Emergency Management	36 FT + 20 PT	36 FT + 20 PT
Training Room	700	600
Breakroom	150	
CBRNE Cell (control center)	200	
Storage — Mobility	5 EA	5 EA
Storage — UTC Equipment	300	
Storage — Secure	100	50
Response Vehicle Staging (Covered Vehicle Storage)	600	0

6.12. Fire Station (BOS Firefighter Facility) (FAC 7311; CATCODE 730-142): Refer to UFC 4-730-10, *Fire Stations*, for mission specific facility information, regarding evaluating, planning, programming, and designing fire stations.

6.13. Reserve Firefighter Training Facility (FAC 1714; CATCODE 171-443): Reserve firefighters should be in a separate annex to the host fire station. The annex should be located adjacent to the base fire station and include an outside entrance. A typical flight is 32 Fire Fighters.

Table 6.7. Reserve Firefighter Training.

DESCRIPTION	SCOPE (NSF)
Fire Chief (Flight Chief / Commander)	100

Deputy Fire Chief (Superintendent)	65
Assistant Chief of Health & Safety	36
Assistant Chief of Operations	36
Assistant Chief of Training	36
Supply Officer	36
Vehicle Control Official	36
TR workroom (all other TRs)	10 EA
Training Room[1]	840
Personnel Lockers	(4 EA * 1.5)/2
Shower Room	See **Paragraph 2.6.**
Breakroom[1]	3 SF / Workspace
TO/Reference Library (if applicable)	100
Personal Protective Equipment & SCBA (Personal Protective Equipment, SCBA Storage and Maintenance)	20 EA
Supply Room (User justified)	20 EA
Notes: 1. Utilize civilian space if co-located. (To include computer workstations)	

6.14. Explosive Ordnance Disposal Flight (FAC 1444; CATCODE 141-165): The EOD function will be organized in one of four configurations: Host base support; tenant unit with Civil Engineer Squadron (CES), Non-Host unit equipped tenant with CES or a tenant unit with a Civil Engineer Flight (CEF). Tenant EOD functions collocated with an Active-Duty EOD flight that includes a CEF operations flight are authorized different square footage than Host Units as depicted in the table below. Tenant EOD functions collocated with an Active-Duty EOD flight that include a CES are authorized square footage depicted in the table below for all administrative, storage, and functional workspace. Classroom space at these locations should be shared with the associated CE squadron. Secure training /computer work area must be provided. **Table 6.7** shows space allocation for EOD training / operations facilities.

6.14.1. In addition to the primary EOD training /operations facility, AFRC host installations require additional training areas as follows:

6.14.1.1. EOD Proficiency Range; approximately 18 acres (circle with a diameter of 1000 FT). Proficiency range will be sited in accordance with DESR 6055.09, AFMAN 91-201 for explosive operating location and will include frontal and overhead protection for mission essential personnel.

6.14.1.2. Properly configured EOD practical training area (approximately 1 acre). Practical training area will be sited to perform Air Force Tactics, Techniques and Procedures: field rigging, improvised hoisting of unexploded ordnance; landmine

identification and removal; off-range use of explosives and cartridge actuated tools identified in DESR 6055.09, AFMAN 91-201.

6.14.1.3. Properly configured multi-purpose training facility: Facility should be approximately a 1,000 SF two story structure. The structure will facilitate EOD training to include full employment of robotics to include climbing stairs, negotiating normal facility obstacles and use of cartridge activated tools. The first floor of the structure should have sufficient flexibility to duplicate illicit drug and bomb making lab, office, hotel room, etc. Security Forces can utilize the training facility for similar mission requirements.

Table 6.8. Explosive Ordnance Disposal Flight.

DESCRIPTION	**SCOPE (NSF)**	
	24 PAX	**18 PAX**
	Host Unit	**Tenant**
Flight Chief / Commander (Program Manager)	100	
Flight Superintendent	65	
Logistics (Supply / Resources)	36 FT + 20 PT	
Operations Control Center	36 FT + 20 PT	
SIPR[1]	User justified	
Quality Assurance (QA)	36 FT + 20 PT	36 FT + 20 PT
Plans and Intel (if applicable)	36 FT + 20 PT	
TO Library (if applicable)	100	
Training	36 FT + 20 PT	
Training Room	660	
Testing Room	300	
Training Device Storage	500	
EOD Workspace (remaining TRs)	10 EA	
Pro Gear & Mobility Bags	40 EA	
Storage – Weapons	150	100
Vehicle Parking / Maintenance Bay	2,460	
Equipment Storage & Maintenance	950	
Fitness Room	500	
Locker Room	See **Paragraph 2.6.**	
Shower Room	See **Paragraph 2.6.**	
Laundry	75	

Breakroom	3 SF / Workspace	
Storage - Secure (Admin/Issue)	150	150
UTC 4F9X1	1,000	
UTC 4F9X4	450	
EOD Proficiency Training Range[2]	18 Acres	
Range Training Device Storage	200	
Outdoor Training Area[3]	1 Acre	

Notes:

1. All flights require SIPRNET capability in classroom and operations center.

2. Host base locations require 18 acres EOD Pro Range IAW DESR 6055.09_AFMAN 91-201. (Explosive Site Plan Required).

3. Host base locations require 1-acre outdoor training area (explosive tools/techniques lab).

4. Host base locations require 2 EA explosive storage 7x7 containers near main facility. (Alarmed) (Explosive Site Plan Required)

5. All flights require fenced and lighted vehicle parking area.

6. At locations with inclement weather, flights are authorized to have additional covered/enclosed storage for other government motor conveyances i.e., golf cart/quad utility vehicle, etc.

6.15. Rapid Engineer Deployable Heavy Operational Repair Squadron Engineers (RED HORSE) Squadron Facilities (FAC 1714; CATCODE 171-443 (ANG uses 219-944)): These facilities provide administrative, training, storage, and maintenances space necessary to support all aspects of Civil Engineer RED HORSE home station operations. AFRC RED HORSE squadrons are typically associated with co-located Active-Duty RED HORSE squadrons with whom they share training and maintenance areas. In these instances, only limited sole-use space is required for AFRC squadron administration and storage requirements. **Table 6.9** shows space authorization for stand-alone as well as associated RED HORSE squadrons. Squadron space allocation may be accommodated in multiple facilities but should not exceed total authorization.

Table 6.9. RED HORSE Squadron.

DESCRIPTION	SCOPE (NSF)	
	Stand-Alone	Associate
ADMINISTRATIVE SPACE		
Headquarters / Command Staff	2,910	2,910
Operations Staff	1,380	1,380
Engineering Staff	3,260	3,260
Logistics Training	3,420	3,420
Medical Training	530	530
Services Training	870	870
Ground Transportation / Vehicle Management	4,220	4,220
Equipment & Supply Management	600	600
MAINTENANCE SPACE		
Airfields shop	6,460	2,110
Cantonments shop	15,020	4,410
STORAGE SPACE		
Ground Transportation Parking Shed	1,710	0
Engineering Supply Storage	3,660	2,200
Engineering Equipment Storage	3,420	2,050
Equipment Warehouse	5,200	3,120
Services Equipment Storage	490	0
Paved Area	See note 2	na

Notes:

1. Reserve RED HORSE with Active Associate is authorized space equivalent to a stand-alone squadron.

2. Stand-alone squadrons are also authorized up to 8,000 Square Yards of paved area for parking and outdoor (uncovered) storage for vehicles and mobility / training equipment.

3. AFI 24-301, *Ground Transportation*, updates changed all references to Vehicle Operations to Ground Transportation.

6.16. Base Communications Facility (BOS & Deployable Comm Squadron) (FAC 1311; CATCODE 131-111): This host base facility provides centrally located communications and information systems, both for intra-base and off-base communications. **Table 6.10** shows proposed space allocation for a host base including the deployable functions. See **Table 6.11** for a tenant location without deployable functions and **Table 6.12** for a tenant location with deployable functions.

Table 6.10. Host Base Communications Facility (BOS & Deployable Comm Squadron).

DESCRIPTION	SCOPE (NSF)
Squadron Commander / Chief / Director	140
DO (Operations Officer)	140
First Sergeant	100
Squadron SEL (Superintendent)	100
Administration	65
CSS	36 FT + 20 PT + 150[1]
QA	36 FT + 20 PT
UTM	36 FT + 20 PT
OPERATIONS FLIGHT (SCO)	
Flight Chief / Commander	100
INFRASTRUCTURE (SCOI)	
Cyber Transport Systems	36 FT + 20 PT + 300
Infrastructure	36 FT + 20 PT + 100
KNOWLEDGE OPS (SCOK)	
Knowledge Operations	36 FT + 20 PT +100
Records Staging	400 (User justified)
NETWORK OPERATIONS (SCOO)	
Cyber Systems Operations	36 FT + 20 PT + 300
CLIENT SYSTEMS (SCOS)	
Computer Maintenance / Distribution	User justified, 2,500 Max
Comm Focal Point	36 FT + 20 PT + 400 (User justified)
Client Service Center	36 FT + 20 PT + 400
TRANSMISSIONS (SCOT)	
RF Transmissions	36 FT + 20 PT + 100
Personal Wireless Communication Devices / Land Mobile Radio	36 FT + 20 PT + 100
SPECIAL MISSION FLIGHT (SCP)	
Flight Chief / Commander	100
Mission Defense Team	36 FT + 20 PT + 400
PLANS & RESOURCES FLIGHT (SCX)	

Flight Chief / Commander	100
Resource Advisor	36 FT + 20 PT
IT Project Manager	36 FT + 20 PT
Communications Security / Information Assurance	36 FT + 20 PT + 200 (User justified)
EMSEC (Emission Security)	36 FT + 20 PT
Cyber Surety	36 FT + 20 PT
ADMINISTRATIVE SUPPORT & SPECIAL PURPOSE SPACE	
Conference Room	300
Training Room	600
Breakroom	3 SF / Workspace
NIPR Server Room	User justified
SIPR Server Room	User justified
Radio Repeater Switch	User justified
Telephone Demarcation Switch	User justified
Storage – Mobility/Pallet/Buildup (Equipment Storage & Maintenance)	1,000

6.17. Communications Flight (Tenant Unit) (FAC 1711; CATCODE 171-447): When the AFRC Wing is located on an Active-Duty installation (tenant location) the Communications Flight provides communication and information systems support to the Reserve Wing or Group. The function is typically located within the Force Support Squadron and is authorized square footage based on the table below.

Table 6.11. Communications Flight (Tenant).

DESCRIPTION	SCOPE (NSF)
Flight Chief / Commander	100
Flight Superintendent	65
Network Systems	36 FT + 20 PT + 100
Knowledge Operations	36 FT + 20 PT + 100
Client Services (includes reception area)	36 FT + 20 PT + 400 min
Cyber Systems	36 FT + 20 PT + 300
Cyber Transport	36 FT + 20 PT + 300
RF Transmissions	36 FT + 20 PT + 100
Computer Maintenance / Distribution	User justified (600 – 2500)

Training Room (Comm lab)	User justified (300 typical)
Storage – UTC & Mobility Equipment	User justified

6.18. Combat Communications Squadron (FAC 1711; CATCODE 171-447): Combat Communications Squadrons are authorized space per the table below. Outdoor uncovered storage area should be provided for storage of vehicles assigned to the squadron. (**Note:** Robins (55 CBCS), Tinker (35 CBCS), and Travis (23 CBCS) report to the 860 Cyberspace Operations Group (860 COG) at Robins, which reports to the 960 Cyberspace Wing (960 CW) at Joint-Base San Antonio Lackland.)

Table 6.12. Combat Communications Squadron (CBCS).

DESCRIPTION	SCOPE (NSF)
Squadron Commander	140
DO (Operations Officer)	140
Squadron SEL (Superintendent)	100
CSS	36 FT + 20 PT + 150[1]
First Sergeant	100
Communications Security Storage	150
QA	36 FT + 20 PT
Conference Room	300
CYBER SYSTEMS	
CLIENT SYSTEMS	
Flight Chief / Commander	100
Flight Superintendent	65
TR Workroom	10 EA
Training/Storage	750
TRANSPORT SYSTEMS	
Flight Chief / Commander	100
Flight Superintendent	65
TR Workroom	10 EA
Training/Storage	750
TRANSMISSION SYSTEMS	
Flight Chief / Commander	100
Flight Superintendent	65

TR Workroom	10 EA
Training/Storage	750
HVAC / POWER PRO	
Flight Chief / Commander	100
Flight Superintendent	65
TR Workroom	10 EA
Training/Storage	750
Maintenance Bays	2,500
Tool Crib	200
Parts Cleaning Room	200
Hazmat	200
Fuel Storage	200
SUPPLY	
Flight Chief / Commander	100
Flight Superintendent	65
TR Workroom	10 EA
Training/Storage	500
Secure Storage	100
OPERATIONS	
KNOWLEDGE OPERATIONS	
Flight Chief / Commander	100
Flight Superintendent	65
TR Workroom	10 EA
Training/Storage	750
CYBER OPERATIONS	
Flight Chief / Commander	100
Flight Superintendent	65
TR Workroom	10 EA
Training/Storage	750
CYBER SURETY	
Flight Chief / Commander	100

Flight Superintendent	65
TR Workroom	10 EA
Training/Storage	750
Locker Room	See **Paragraph 2.6.**
Shower Room	See **Paragraph 2.6.**
Breakroom	3 SF / Workspace
Theater Deployable Communications & Integrated Communications Access Package Storage	10,000
Notes: 1. 150 SF for reception/orderly room/sign-in area.	

6.19. Force Support Squadron (FAC 6102; CATCODE 610-243): The Force Support Squadron Commander and associated staff are authorized square footage based on the table below.

Table 6.13. Force Support Squadron Command Section.

DESCRIPTION	SCOPE (NSF)
Squadron Commander	140
DO (Operations Officer)	140
Squadron SEL (Superintendent)	100
CSS (Unit Program Coordinator)	36 FT + 20 PT +150[1]
First Sergeant	100
Career Advisor / UTM / 3F5 FAM	36
Conference Room	300
Breakroom	3 SF / Workspace
Storage – General	User justified - 4 EA
Civilian Personnel	100
Exercise Physiologist	120 (host locations)
Notes: 1. 150 SF for reception/orderly room/sign-in area.	

6.20. Military Personnel Flight (FAC 6100; CATCODE 610-128): The Military Personnel Flight is authorized square footage based on the table below.

Table 6.14. Military Personnel Flight (FSP).

DESCRIPTION	SCOPE (NSF)
Flight Chief / Commander	100
Flight Superintendent	65
Force Management	36 (FT + PT)
Customer Support	36 (FT + PT)
Career Advisor	36 (FT + PT)
Career Development	36 (FT + PT)
Personnel Systems Management	36 (FT + PT)
Installation Personal Readiness (IPR)	36 (FT + PT)
Storage - General	200
DEERs (Typically 2 stations)[1]	65 EA
Reception Area (DEERs)	200 min (User justified)
Manpower	See **Paragraph 6.22.**
Mailroom (at tenants)[2]	User justified
Notes: 1. Furniture layout for each position should include a space for a visitor. 2. The mailroom is part of the Military Personnel Flight at tenant locations and Sustainment Services Flight at host locations.	

6.21. Manpower and Organization Flight (FSM) (FAC 6100; CATCODE 610-128): The Manpower and Organization Flight is authorized square footage based on the table below.

Table 6.15. Manpower and Organization Flight.

DESCRIPTION	SCOPE (NSF)
Flight Chief / Commander	100
Flight Superintendent	65
Manpower	36 FT + 20 PT

6.22. Force Development Flight (FAC 7351; CATCODE 730-441): Force Development (Education and Training) is authorized square footage based on the table below.

Table 6.16. Force Development Flight.

DESCRIPTION	SCOPE (NSF)
Flight Chief / Commander	100

Flight Superintendent	65
Force Development (Formal Schools & Education Section)	36 FT + 20 PT
Storage — General	100
Training Room (Classroom) (if applicable)	500 (User justified)
Computer Lab (if applicable)	500 (User justified)
Testing Room (if applicable)	500 (User justified)
Newcomer's Orientation (may be included elsewhere / M&FR)	10 EA (User justified)

6.23. Military and Family Readiness (FAC 7372; CATCODE 740-253): Military and Family Readiness programs are authorized square footage based on the table below.

Table 6.17. Military and Family Readiness Flight.

DESCRIPTION	SCOPE (NSF)
Military and Family Readiness Director	100
Customer Support (200 includes reception area)	36 FT + 20 PT + 200 min
Breakroom (if applicable)	150
Classroom (if applicable)	300 min (15 EA per occupant)
Computer Lab (if applicable)	200 min
Storage – General	50 min (addition space to be User justified)
Meeting Room (counseling area)	100 min

6.24. Sustainment Services (FAC 1714; CATCODE 171-443): Services are authorized square footage based on the table below. Services-unique facilities such as club, dining facility, Base Exchange, and lodging, will follow the applicable design guide, or AFI 32-1022, *Planning and Programming Built Infrastructure Projects*.

Table 6.18. Sustainment Services Flight (FSV).

DESCRIPTION	SCOPE (NSF)
Flight Chief / Commander	100
Flight Superintendent	65
Sustainment (may include food service, lodging, fitness, mortuary, community services)	10 EA
Marketing (at Host locations)	36 FT + 20 PT
Business Manager (at Host locations)	36 FT + 20 PT
Storage – UTC Equipment	500 - 1,000 (User justified)

Mailroom (at host locations)	User justified
Notes: 1. The mailroom is part of the Military Personnel Flight at tenant locations and Sustainment Services Flight at host locations.	

6.25. Fitness Centers / Gymnasium (FAC 7421; CATCODE 740-674): AFRC installations are authorized a single base fitness center and running track. Fitness center authorized space is determined based on population supported and approved on a case-by-case basis by HQ AFRC/A4C. Indoor tracks should be at least 1/8 of a mile long to provide a venue for Air Force fitness testing. Outdoor running track should allow for self-directed fitness activities as well as military fitness assessment testing.

6.26. Honor Guard (FSZH) (FAC 1714; CATCODE 171-445): AFRC units with an established Honor Guard function are authorized a total of 250 SF for administrative / office area and 600 SF for equipment storage.

6.27. Logistics Readiness Squadron (FAC 6101; CATCODE 610-122): Plans, organizes, directs, and manages all logistics support activities. Activities include materiel and traffic management functions inherent to the receiving, shipping, movement, storage and control of property and equipment. Activities also include efficient and economical ground transportation and vehicle management services as well as installation planning and execution of unit movement, reception, and bed down and redeployment operations.

Table 6.19. Logistics Readiness Squadron Command Section.

DESCRIPTION	SCOPE (NSF)
Squadron Commander	140
DO (Operations Officer)	140
First Sergeant	100
Squadron SEL (Superintendent)	100
CSS	36 FT + 20 PT + 150[1]
Conference Room	300
Logistics Manager	36
UTM / QA / Action Officer (AO) / Contracting Officer Representative (COR) (as applicable)	36 FT + 20 PT
Storage – General (user justified)	4 EA
Training Room (if applicable)	600
Notes: 1. 150 SF for reception/orderly room/sign-in area.	

6.28. Deployment and Distribution Flight (LGRD) (FAC 1412; CATCODE 141-786): Responsible for the centralized command and control, planning and execution of all wing deployment operations and the distribution of cargo, passengers, and personal property. The Installation Deployment Officer is appointed from within the Deployment and Distribution Flight. The flight is responsible for the execution of squadron Air Expeditionary Task Forces (AETF) Management, squadron UTC management, In-Garrison Expeditionary Site Planning, and Installation Deployment Planning. The Deployment and Distribution Flight also operates a Deployment Control Center (DCC), Reception Control Center and Installation Deployment Readiness Cell (IDRC), as necessary. This flight is responsible for the management of the wing's War Reserve Materiel and Support Agreements. Additionally, the flight is the single installation transportation authority responsible for planning, managing, and executing the movement of personnel; the shipment and receipt of DoD cargo; acquisition and arrangement of Personal Property movement services; and operation of Small Air Terminals for Cargo and Passenger Movement functions at locations with no Aerial Port Squadron or other host support. Provides ground transportation functions, responsible for providing efficient and economical transportation services to support the mission, including licensing, dispatch, pick-up and delivery operations, and vehicle and equipment support. Single authority for vehicle official use and permissible operating distance guidance and programs.

Table 6.20. Deployment and Distribution Flight.

DESCRIPTION	HOST SCOPE (NSF)	TENANT SCOPE (NSF)
Flight Commander	100	100
Flight Superintendent	65	65
QAE	36 FT + 20 PT	
Ground Transportation Operations Center (was Dispatch Office)	36 FT + 20 PT	
Traffic Management Office	36 FT + 20 PT	10 EA
Ground Transportation (was Vehicle Operations / Drivers)	36 FT + 10 PT	10 EA
TR Workroom	10 EA	10 EA
Receiving & Distribution (floor space in warehouse)	2600 (User justified)	
Breakroom	3 SF / Workspace	
Log Plans	36 FT + 20 PT + 300	36 FT + 20 PT + 300
SIPR	200	200
IDRC or DCC	User justified; 1,670 max	
Deployment Processing Center	User justified; 3,000 max	

Reserve Deployment Readiness Cell (RDRC)		User justified, 1,400 max

6.29. Deployment Processing Facilities (FAC 1412; CATCODE 141-786): Deployment processing facilities are applicable to AFRC host installations. Each base develops its own Installation Deployment Plan defining its deployment process. The following information is provided to ensure adequate space is identified and necessary infrastructure is available for AFRC unit deployment processes. Existing facilities should be used or modified to meet these requirements. When the Deployment Control Center is not active, deployment processing facility space will be co-used for other functions such as the Installation Deployment Readiness Cell.

6.29.1. Deployment Control Center (FAC 1412; CATCODE 141-786): Deployment command and control for the Host Wing Commander is monitored from this room. This room requires users to exploit the SIPRNET to access classified applications (e.g., MS Outlook, Decentralized Materiel Support (DMS), Global Command and Control System), and create/update operations plan directives. The ideal location of the DCC is in the same building or near the personnel and cargo deployment functions, personnel processing facilities, and the flight line. The DCC should be collocated with the Logistics Plans office. Space authorization for the DCC includes a conference/briefing room for deployment concept briefings. This room may be one normally used for other purposes, such as a deployment training classroom or personnel deployment function (PDF) passenger briefing room.

6.29.2. Installation Deployment Readiness Cell. On a routine basis, the DCC may not be required to stand up if the responsibilities can be handled effectively in the normal operating location of the IDRC (i.e., the IDRC must mirror the DCC requirements). The IDRC is responsible for identifying, validating, and distributing taskings and information. Coordinates with UDMs to ensure appropriate units are tasked in Deliberate and Crisis Action Planning and Execution Segments and making corrections as necessary. Authorization includes all logistics plans functions, personnel readiness unit, transportation and installation deployment officer and must have SIRP and NIPR capabilities.

6.29.3. Reserve Deployment Readiness Cell. Wings at AFRC Tenant locations are authorized a total of 1,400 SF for a RDRC that is separate from the Active-Duty Deployment Readiness Cell. RDRC manages taskings associated with Reserve specific deployment requirements, includes space for all logistics plans functions, personnel readiness unit, transportation, and installation deployment officer, and must have SIPR and NIPR capabilities.

6.29.4. Personnel Deployment Function. AFRC Host Bases are authorized 3,000 SF for the Personnel Deployment Function. This allocation includes all administrative, work, waiting/holding, and personnel processing functions. The PDF office is usually manned by two to four people, must have Local Area Network connectivity, and must include a copier unless a suitable one is available nearby. The PDF continuously monitors deploying personnel requirements and publishes deployment orders. Communications requirements include access to SIPRNET, NIPRNET, secure and unsecure telephones, and access to facsimile machines. The PDF must be located in immediate proximity to the personnel processing facility. This function includes the personnel processing functions and deployment training classrooms.

6.29.5. Cargo Deployment Function. This function is usually located on or near the cargo marshaling area. It is the installation's focal point for all cargo processing activities. Local

Area Network connectivity is required in this area. This area should provide enough room to check and process all accompanying cargo documentation. Dispatch of cargo load teams to load and unload support aircraft occurs in this facility. Normal Cargo Deployment Function operations (cargo in-check, marshaling, and loading) can be done outdoors (ramp, apron, etc.) or in designated hangar space. There is no dedicated facility space authorization for this function. The unit Installation Deployment Plan should specify procedures for this process.

6.30. Materiel Management Flight (LGRM) (FAC 4421; CATCODE 442-758): Responsible for stocking, storing, issuing, managing, inventorying, and inspecting DoD supplies and equipment. This flight is the primary liaison between customers and the responsible AFMC centralized supply chain management commodity function.

Table 6.21. Materiel Management Flight (LGRM).

DESCRIPTION	HOST SCOPE (NSF)	TENANT SCOPE (NSF)
Supply Manager	100	100
Flight Commander	100	100
Flight Superintendent	65	65
Equipment Manager	36	36
QAE	36 FT + 20 PT	
DMS (**Paragraph 6.31.**)	36 FT + 20 PT	36 FT + 20 PT
Tail No. Bins (part of DMS space)	400 – 1000 (typically 600)	400 – 1000 (typically 600)
Customer Support	36 FT + 20 PT / 10 EA	36 FT + 20 PT / 10 EA
Supply	36 FT + 20 PT / 10 EA	36 FT + 20 PT / 10 EA
IEE Storage & Issue[1]	300	300
Breakroom	3 SF / Workspace	
Mobility	36 FT + 20 PT	36 FT + 20 PT
Storage - Base Supply[2]	12 SF per UTA population; **Paragraph 6.32.1.**	3,500 SF Warehouse space; **Paragraph 6.33.**
Storage - Aircraft Parts	See **Table 6.22.**	Typically Host Supply
Storage – Readiness Spares	Typically, in MX Shops	See **Table 6.23.**
Storage - Mobility Bag (real world A/B/C)	5 SF/mobility position; **Paragraph 6.32.3.**	Typically Host Supply
Storage - Mobility Equipment (training)	3 SF/mobility position; **Paragraph 6.32.4.**	3 SF/mobility position; **Paragraph 6.32.4.**

Storage – Mobility Equipment (deployable)	Base Supply	Host Base Supply
Storage - Weapons	See **Paragraph 6.28.**	Typically Host
Storage – Readiness Spares	Squadron	See **Paragraph 6.33.** & **Table 6.23.**
Base Hazmat Storage (Pharmacy)	See **Paragraph 6.34.1.**	na
Hydrazine Storage and Servicing Facility (Fighter Wings only)	See **Paragraph 6.34.2.**	na
LOX Storage	See **Paragraph 6.35.**	na
Enclosed Vehicle Parking	See **Paragraph 6.38.**	na

Notes:

1. IEE, Individual Equipment Element, replaces Individual Equipment Issue per HQ AFRC/A4RM & AFI23-100, *Materiel Management Policy*, 22 October 2020.

2. This facility includes space for aisles, receiving, shipping, packing, crating, equipment storage and issue, central mobility weapons storage, general supply and base issue/supply point, Defense Reutilization and Marketing Office (DRMO) & courtesy storage, personnel clothing and equipment, administration, equipment management, and transportation management. (Defense Logistics Agency Disposition Services replaces DRMO per HQ AFRC/A4RM & AFI23-100)

6.31. Decentralized Materiel Support (FAC 2112; CATCODE 211-154): Assigned to the Logistics Readiness Squadron, the DMS provides forward supply control and parts storage in support of aircraft maintenance operations. DMS is typically located within aircraft maintenance shops or in separate facilities proximal to aircraft maintenance shops. DMS is authorized administrative space and 600 SF for parts and supply storage.

6.32. Base Supply and Equipment Warehouse Space at Host Locations (FAC 4428; CATCODE 442-758): Warehouse space is required for bulk and bin storage of materials. This facility includes space for aisles, receiving, shipping, packing, crating, equipment storage and issue, central mobility weapons storage, general supply and base issue/supply point, Defense Reutilization and Marketing Office and courtesy storage, personnel clothing and equipment, administration, equipment management, and transportation management. Due to the various taskings of AFRC units, use the scope in this section for planning purposes only. Design actual requirements on a case-by-case basis in coordination with HQ AFRC**.**

6.32.1. Basic Supply Storage: In general, multiply the authorized base population of any given UTA weekend (not total assigned personnel) by 12 SF to determine the basic supply storage requirement. Supply storage may be located in a centralized warehouse or distributed within individual unit facilities.

6.32.2. Aircraft Parts Storage Space: Multiply number of PAA by the factors shown to determine net storage space required for aircraft parts storage.

Table 6.22. Aircraft Parts Storage (Typically Host only).

WEAPON SYSTEM	SCOPE PER PAA (NSF)
Fighter / Helicopter	500
Tactical Airlift/Tanker	700
Strategic Airlift (C-5, C-17)	1,200

6.32.3. Mobility Bag Storage (FAC 4421; CATCODE 442-758): Storage space for deployable (real-world) mobility bags (A bags, B bags, C bags) shall be calculated per base requirements, at 5 SF per authorized mobility position. Determine space for other deployable mobility equipment on a case-by-case basis. **NOTE:** Mobility bags may be stored in central warehouse facilities or in unit/squadron facilities as determined by local commanders. Do not duplicate space authorizations for mobility equipment storage.

6.32.4. Mobility Training Equipment Storage: Storage space for non-deployable mobility training equipment issued to individuals (masks, helmets, and vests) shall be calculated at 3 SF per authorized mobility position. This equipment is typically stored within individual squadron / flight facilities but may be consolidated in central storage locations. Do not duplicate space authorizations for mobility training equipment storage.

6.33. Warehouse Space at Tenant Locations: At tenant locations, operation of the central base warehouse is a supplier (host) function unless otherwise documented in the support agreement. Dedicated storage space, to be provided by the host, for AFRC parts and mobility bags should be established using the above criteria. Space for Readiness Spare Packages at tenants is as follows in **Table 6.23**. In addition to Readiness Spares Package storage, an additional 3,500 SF is required for deployable mobility equipment storage at tenant locations.

Table 6.23. Readiness Spares Package and Deployable Mobility Equipment Storage (Tenant Units).

WEAPON SYSTEM	Tenant SCOPE (NSF)
Fighter / Helicopter	3,500
Tactical Airlift / Tanker	2,000
Strategic Airlift (C-5, C-17)	3,500
Deployable Mobility Equipment (ALL TENANT UNITS)	3,500

6.34. Base Hazardous Material Storage / Hydrazine Storage and Servicing Facility (FAC 4423; CATCODE 442-257):

6.34.1. Base Hazardous Material Storage (Pharmacy Program). This provides for the centralized storage and dispensing of paints, oil, solvents, chemicals, bottled gases, and other hazardous materials as required at each host base. May be constructed as a separate facility or identified as a separate area within the base general warehouse. This function is authorized 300 SF for administrative, computer and customer service space and a total of 2,500 SF for hazardous material storage.

6.34.2. Hydrazine Storage and Servicing Facility. For F-16 equipped units, provides space for servicing and storage of hydrazine fuel containers. HQ AFRC/A4M determines on a case-by-case basis whether to provide a full-service facility or storage only.

6.35. Liquid Oxygen/Nitrogen Storage (LOX/LIN) (FAC 4122; CATCODE 442-258): A pad, cover, fencing and road access to provide protected storage are authorized for this equipment. Use AFMAN 32-1084 criteria.

6.36. Vehicle Management Flight (LGRV) (FAC 2141; CATCODE 214-425): Single authority and source for maintenance and management of an installation's vehicle fleet. Responsible for overall management and maintenance of the wing's vehicle fleet and assigns, accounts for and maintains vehicle assets so they are safe, efficient, and environmentally sound and meet the wing's needs. Responsible for the management, repair, and accountability of the Air Force vehicle fleet. AFRC units with an assigned maintenance function are authorized a facility. This allowance includes space for all maintenance and tool/equipment storage activities associated with the Vehicle Management function. Typical vehicle maintenance facilities will contain no more than nine vehicle maintenance bays with at least two bays able to accommodate the largest vehicle assigned to the unit. At least a single bay must have a door opening width of 17 feet (based on 60K loader maintenance requirement). Floor drains in this facility should be avoided but, if present, will be connected to oil/water separators or wastewater recovery / recycling systems. **Table 6.24** shows proposed space allocation for a base vehicle maintenance shop facility.

Table 6.24. Vehicle Management Shop[1] (LGRV).

DESCRIPTION	HOST SCOPE (NSF)	TENANT SCOPE (NSF)
Flight Commander	100	100
Flight Superintendent (Vehicle Fleet Manager / Vehicle Management Superintendent)	65	65
Vehicle Management (Ready Room / Vehicle MX)	10 EA	10 EA
Vehicle Manager (Fleet Management & Analysis FM&A)	36	
Shop Supervisor (was Lead Mechanic)	36	
Customer Service Center (was Customer Service)	100	
QAE / COR	36 FT + 20 PT	
TO Library (if applicable)	100	
Battery	145	
Wheel and Tire	700	
Tool Crib	375	
Materiel Control / Bench Stock	300	
Machine Shop	800	

General Purpose Maintenance Bay	510 EA	
Wash Rack	600	
Drive Through Corridor	3,250	
Refueling Maintenance Shop[2]	See **Paragraph 6.40.**	

Notes:

1. Previously identified as Vehicle Maintenance Shop.

2. Refueling Maintenance Shop is updated terminology per HQ AFRC/A4RR and AFI 24-302, *Vehicle Management*, 21 February 2020. Previously titled Refueler Maintenance Bay.

3. Facility should be able to accommodate applicable Fire Department vehicles.

6.37. Refueling Maintenance Shop (FAC 2141; CATCODE 214-467): Space for this function may be provided as either a separate maintenance bay or by adding one bay to the vehicle maintenance shop. Re-fuel maintenance bay is authorized a scope of 1,800 SF (based on R-11 vehicle requirements). If added to the automotive shop, this bay must be separated by a fire wall. If constructed as a separate facility, add 300 SF for work bench and tool storage. Co-located office or administrative area is not authorized. Re-fuel maintenance facility must be provided with a single overhead door, a forced ventilation/exhaust system, a fume monitoring system, floor drains connected to an oil water separator, and an explosion proof electrical/telephone system.

6.38. Enclosed Vehicle Parking (Northern Tier / Corrosive Environment): Northern tier locations are authorized 6,000 SF (gross) of heated vehicle storage space (CATCODE 214-426) and an additional 6,000 SF (gross) of unheated vehicle storage space (CATCODE 214-428). This space is typically used for storage of high value and special purpose vehicles.

6.39. Fuels Management Flight (LGRF) (FAC 1444; CATCODE 121-111): Ensures quality petroleum products, cryogenics fluids, and missile propellants are acquired or produced and issued safely and efficiently to using organizations. A fuels operations building is required to provide a centralized facility for administering all base functions related to the receipt, storage, and issue of petroleum products and, when required, liquid oxygen and nitrogen (LOX and LIN). The facility allowance includes space for all management, administration, laboratory, and functional workspace. Only one Fuels Operations facility is authorized per installation.

Table 6.25. Fuels Operations Facility.

DESCRIPTION	SCOPE (NSF)
Flight Commander	100
Flight Superintendent	65
Fuels (Workroom / Fuels Dispatch)	36 FT + 10 PT
Laboratory	200
Ready Room (includes breakroom)	10 EA / 300 min
Training Room (Classroom)	200

Emergency shower and eyewash in work area	25
Locker Room	See **Paragraph 2.6.**
Shower Room	See **Paragraph 2.6.**
Notes: Reference: AFMAN 32-1084, *Facility Requirements*; UFC 3-460-01, *Design: Petroleum Fuel Facilities*	

6.39.1. Hydrant Refueling System (FAC 1211; CATCODE 121-122): Where hydrant systems are justified, provide a fueling position for the total number of primary assigned aircraft (PAA) minus two. Reference: AFMAN 32-1084 and UFC 3-460-01.

6.39.2. Vehicle Fueling System (FAC 1231; CATCODE 123-335): Provide two dual outlet dispensing pedestals for ground fuels for each increment of 150 motor vehicles to be served. Provide at least one pedestal for each fuel type. Provide storage in above ground tanks. Reference: AFMAN 32-1084 and UFC 3-460-01.

6.39.3. Jet Fuel Operating Storage (FAC 1241; CATCODE 124-135): Reference: AFMAN 32-1084 and UFC 3-460-01. Additional storage may be justified based on PAA, tenant support, and contingency requirements for the installation. Provide a minimum of two Jet-Fuel operating storage tanks, design requirements and consideration IAW UFC 3-460-01.

6.40. Security Forces Operations (Host: FAC 7313; CATCODE 730-835) (Tenant: 1714; CATCODE 171-443): This facility is the command center for the direction of security, police services (law enforcement), crime prevention, training, information/ personnel/ industrial security, force protection, and resource protection operations. It is also the site for the control center (Central Security Control/Law Enforcement Desk), armory, and unit mobility/supply. Space authorization for this facility is determined by unit manning and number of assigned UTCs. **Table 6.26 shows proposed space allocation for a Security Forces Squadron (SFS) at host & tenant locations and includes deployable functions**.

Table 6.26. Security Forces Squadron.

DESCRIPTION	SCOPE (NSF)		
	Large Unit [1]	Medium Unit [2]	Tenants [3]
Squadron Commander	140		
DO (Operations Officer)	140		
Conference Room	300		
First Sergeant	100		
CSS	36 FT + 20 PT + 150[4]		
Squadron SEL (Superintendent, Security Forces Manager)	100		
Action Officer (Senior AGR, Senior ART)	100		

Action Officer (AGR, ART)	65		
Career Advisor	36		
UDM	36		
Physical Security Manager	36		N/A
Standards & Evaluations	36 FT + 20 PT		N/A
Testing Room	200		N/A
Police Services	36 FT + 20 PT / 10 EA		N/A
Patrol Workroom (not typical)	User justified		N/A
Anti-Terrorism Officer	100		N/A
Flight Chief / Commander	100		
Flight Superintendent	65		
Operations Superintendent	65		
Logistics Superintendent	65		
Squad Leader	36		
Fire Team Leader	20		
Training (Instructors)	36		
Supply & Resources	36		
TR Workroom	10 EA		
ECC / BDOC (includes SIPR)	600 (User justified)		N/A
Alternate ECC / BDOC	User justified		N/A
Evidence Storage Room	50		N/A
Lost & Found Property Room	50 (if applicable)		N/A
Report Writing Room	2 @ 50		N/A
Interrogation / Interview Room[5]	100		N/A
Training Room	1,295	1,140	900
Weapons Cleaning Area	100	100	100
Storage - Weapons[6]	User justified		
Storage - SFS	See **Table 6.28.**		
Storage – Other Equipment[7]	User justified		
Breakroom	3 SF / Workspace		
Combative Training	600 if applicable		

Weapons Simulator Room[9]	300 EA, 900 max
Locker Room	See **Paragraph 2.6.**
Shower Room	See **Paragraph 2.6.**
Guard Mount	Utilize existing space, training room, etc.

Notes:

1. Large Units: 94/439/452/482 SFS

2. Medium Units: 301/434/910/911/914/934 SFS

3. Small Units: Tenants

4. 150 SF for reception/orderly room/sign-in area.

5. Includes one-way glass room.

6. Calculating storage requirements will involve several factors unique to each individual installation. These factors include number/type of SFS unit daily weapons, munitions, and equipment (e.g., radios, night vision equipment, other essential equipment). Also included in the calculation are any other weapons stored in the armory, to include tenant, mobility, aircrew, and honor guard. **Note:** Tenant weapons are typically stored by the host.

7. Home Stations Equipment would include ATVs if authorized.

8. TR positions are authorized a 10 NSF task station or open office space unless an individual 36 NSF cubicle is User justified.

9. Weapons Simulator. HQ AFRC goal is 3 simulators per SFS, (900 SF). Each simulator unit can accommodate 5 shooters. Team movement drills range from a fire team / 4 members to squad movement / 13 members. Recommended **InVeris** 100MIL room size is 15'x20' (300 SF), with a 9' ceiling. Absolute minimum dimensions are 14'x17' (238 SF). However, the space needed is dependent on the system and weapons employed for the designated mission requirement. Weapons Simulator space may be justified at tenant locations if not provided by the host SFS.

Table 6.27. Security Forces Squadron Storage.

DESCRIPTION	
Storage - General	4 EA
ProGear	5 EA
Training Gear	5 EA
Unit Issue (equipment and clothing for deployment/training) (Stacked 6 high (20” high each))	(3*2*2*EA)/3
Bare Base Pelican Cases (one per deployable position) (Stacked 3 high (22" high each))	(3*2*EA)/3

Short Weapon Pelican Cases (one per deployable position) (Stacked 10 high (7" high each))	(2*3*EA)/10
Long Weapon Pelican Cases (one per deployable position) Stacked 10 high (7" high each)	(2*4*EA)/10
Unisex Storage Cages (3'x3'x4') stacked 2 high (training bags and gear)	((3*3)/2)*EA
Storage - Mobility/Pallet/Buildup (200 SF / UTC) (typically keep one UTC LOGDET for training purposes) (See Note)	200*UTCs
Note: Calculation is based on number of ISU90 x 66 SF x 2 x 1.36 SF per authorized unit equipped UTC (or 200 SF per UTC). Adjust authorization to reflect actual number of unit equipped UTCs.	

Table 6.28. Vault for Deployable Weapons Storage.

DEPLOYABLE PERSONNEL	SCOPE (SF)	
	NSF	GSF
<500	200	240
501-1000	300	360
1001 – 2000	400	480
2001 – 3000	500	600
3001 – 4000	600	720

6.41. Combat Arms Training (FAC 1718; CATCODE 171-476): This facility supports the activities of a Combat Arms Training Section at AFRC host locations. It contains space for classroom instruction, program administration, weapons maintenance, weapons cleaning and degreasing, alarmed weapons and ammunition storage, latrine facilities, and miscellaneous storage.

Table 6.29. Combat Arms Training.

DESCRIPTION	SCOPE (NSF)
Section Chief (Action Officer)	65
Instructor	36 FT + 20 PT
Classroom	900
Weapons Cleaning / Maintenance	350
Storage – Weapons (if applicable)	150
Storage – Equipment (misc.)	120
Small Arms Training Range	User justified
Locker Room	See **Paragraph 2.6.**

Shower Room	See **Paragraph 2.6.**
Breakroom	150

6.42. Security Forces Control and Identification (Gate House) (FAC 1498; CATCODE 730-839): Reference Air Force Installation Entry Control Facilities Design Guide for design criteria.

6.43. Visitors Control Center (FAC 7313; CATCODE 730-832): If constructed as a separate facility, each host installation is authorized a visitor's center. This authorization includes space for Pass and ID, waiting areas, and restrooms. **Table 6.31** shows proposed space allocation for a Visitors Control Center. Additional functions may be added to this facility (such as recruiters offices) as desired by the installation commander. Do not duplicate functional space present in the Visitors Control Center (e.g., Pass and ID, recruiters) elsewhere on the installation.

Table 6.30. Visitors Control Center.

DESCRIPTION	SCOPE (NSF)
Pass and ID	340
Reception Area	300
Storage - General	100
Breakroom	150

6.44. Aerial Port Training Facility (FAC 172; CATCODE 171-873): These facilities provided for administrative, classroom training, cargo processing, and aerial delivery operations functions. Aerial port squadrons at AFRC installations with 12 PAA, and at Geographically Separated Units, are authorized square footage based on the table below. Squadrons that support Aerial Delivery Systems (ADS) (airdrop operations) are authorized an additional square footage for buildup, storage, training, and parachute packing space. At HQ AMC bases, utilize existing ADS workspace. **Table 6.31** shows proposed space allocation for Aerial Port Squadrons.

Table 6.31. Aerial Port Squadron.

DESCRIPTION	SCOPE (NSF)		
	Standard	ADS	At AMC
Administrative			
Squadron Commander	140		
DO (Operations Officer)	140		
First Sergeant	100		
Squadron SEL (Superintendent0	100		
UDM / UTM / Career Advisor	36		
Conference Room	300		
CSS	36 FT + 20 PT +150[1]		

Aerial Port Manager (Air Transportation Manager)	36 FT + 20 PT		
Flight Chief / Commander	100		
Section Chief	65		
Supply	36 FT + 20 PT / User justified		
Material Handling Equipment	200		
Air Terminal Operations Center	10 EA		
RAMP	10 EA		
QA	10 EA		
PAX	10 EA		
Cargo	10 EA		
Load Planning	10 EA		
Fleet Services	10 EA		
Special Handling	10 EA		
Load Buildup/Storage/Training [2,3]	3,500	0	0
Aerial Delivery	0	13,000	0
Equipment and Supplies	700		
Storage – Mobility (includes Training Bags, gas masks)	5 EA		
Storage – Secure (High Value Item Storage)	100		
Breakroom	3 SF / Workspace		
Personnel Lockers	(4 EA * 1.5)/2		
Training Room	900		

Notes:

1. 150 SF for reception/orderly room/sign-in area.

2. Storage should include high bay area for vertical platform storage racks.

3. Space can also be used for indoor vehicle storage at Northern tier locations.

4. Aerial Port Squadrons co-located with Active-Duty functions use the host base airfreight terminal for "hands on" training.

Chapter 7

MEDICAL TRAINING

7.1. Medical Group Command Section (FAC 6102; CATCODE 610-243): The Medical Group Commander and associated staff are authorized square footage based on the table below. This function may be in the Wing Headquarters or one of the medical training facilities. The Reserve Medical Groups are 932 – Scott, 349 – Travis, and 433 – JBSA Lackland.

Table 7.1. Medical Group Command Section.

DESCRIPTION	SCOPE (NSF)
Group Commander	160
Medical Administrator (Deputy) (if applicable)	160
Group SEL (Superintendent)	140
Executive Officer	65 FT + 36 PT
CSS (Unit Program Coordinator)	36 FT + 20 PT + 150[1]
Career Advisor	36
Resource Advisor	36
UTM	36
UDM	36
Storage – General	User justified - 4 EA
Conference Room	535
Breakroom	3 SF / Workspace
Notes: 1. 150 SF for reception/orderly room/sign-in area.	

7.2. Reserve Forces Medical Training and Administration Facility (FAC 1714; CATCODE 171-450): Medical units include Aeromedical Staging Squadrons (ASTS), Aerospace Medicine Squadrons / Flights (AMDS/AMDF), and Medical Squadrons (MDS). On Active-Duty installations, space for conducting physical exams should be joint-use space located in the Active-Duty clinic. If the Reserve Medical Unit (ASTS / MDS) located at a Host installation is responsible for physical exams on AFRC personnel (includes an aerospace medicine package), consider the space authorization criteria for an AMDS in **Table 7.3** when determining facility space allowances. Units that are dual missioned will incorporate applicable facility requirements to meet the unit size, training mission, and wing needs.

7.3. Aeromedical Staging Squadrons (FAC 1714; CATCODE 171-450): ASTS train to perform on-ground patient care at forward and deployed locations. There is considerable variation in Aeromedical Staging Squadron size throughout the Command. Small to mid-sized ASTS include those assigned a 50 to 100 bed UTC. Large ASTS include those assigned a 100 to 200

bed UTC. If an ASTS is located on an Active Duty or AFRC Host installation and is responsible for physical exams, review AMDS criteria in addition to ASTS. Reserve Medical Units located on Active-Duty installations are authorized space for administrative and training functions but will perform physical exams / customer service within the Active-Duty clinic.

Table 7.2. Aeromedical Staging Squadrons.

DESCRIPTION	SCOPE (NSF)	
	50 - 100 BED UTC - Assigned	**100 - 200 BED UTC - Assigned**
Squadron Commander	140	
Administrator (Deputy Commander)	140	
Squadron SEL (Superintendent)	100	
First Sergeant	100	
Senior ART / AGR	100	
ART / AGR	65	
CSS	36 FT + 20 PT +150[1]	
Career Advisor	36	
Medical Administration	36 FT + 20 PT / 10 EA	
Medical Service Corps (MSC)	36 FT + 20 PT / 10 EA	
Conference Room	300	300
UDM / UTM / UFPM / Management Internal Control Toolset (MICT)	36	
Safety	36 FT + 20 PT	
Security Manager	36 FT + 20 PT	
Chief Nurse	100	
Flight Chief / Commander	100	
Flight Superintendent	65	
Section Chief	65	
Nursing Services	10 EA	
Medical Technicians	10 EA	
Logistics	36 FT + 20 PT / 10 EA	
Credentials	36 FT + 20 PT / 10 EA	
Dietary	36 FT + 20 PT / 10 EA	

Mental Health	36 FT + 20 PT / 10 EA	
Pharmacy Technicians	36 FT + 20 PT / 10 EA	
Medical Readiness	36 FT + 20 PT / 10 EA	
Professional Services	36 FT + 20 PT / 10 EA	
Providers	36 EA	
Bio Medical Equipment Technicians	36 FT + 20 PT / 10 EA	
Medical/Dental Records (if applicable)	250	
Physical Exam Room (if applicable)	100 EA	
Optometry (if applicable)	36 FT + 20 PT / 10 EA	
Eye Exam Room (if applicable)	100 EA	
Infection Control (if applicable)	36 FT + 20 PT / 10 EA	
Dental (if applicable)	36 FT + 20 PT / 10 EA	
Dental Exam Room (if applicable)	120 EA	
Immunizations (if applicable)	36 FT + 20 PT / 10 EA + 100	
Audio (if applicable)	36 FT + 20 PT / 10 EA	
Audio Exam Room (if applicable)	100 EA	
Fetal Protection Program (if applicable)	36 FT + 20 PT / 10 EA	
Waiting Room (if applicable)	600	
Pulmonary (if applicable)	36 FT + 20 PT / 10 EA	
EKG (if applicable)	36 FT + 20 PT / 10 EA + 100	
Drug Demand Reduction (DDR)[2]	36 (FT & PT) + 300 (User justified)	
Training Room	1,100	1,400
Storage - General	500	
Storage – Secure (Drugs)	60	
Storage - Equipment	User justified	
Storage – Mobility	500	
Skills Lab (one per AFRC unit)	700	850
Critical Care Air Transport (CCAT)	36 FT + 20 PT / 10 EA	
Storage - CCAT	100	
ASTS Training Area (Expeditionary Medical Training Area) (User justified)	500 min (User justified)	

Breakroom	3 SF / Workspace
Notes: 1. 150 SF for reception/orderly room/sign-in area. 2. DDR is authorized 200 SF waiting area and 100 SF storage.	

7.4. Aerospace Medicine Squadrons (FAC 1714; CATCODE 171-450): Aerospace Medicine Squadrons/Flights are responsible for the operation of medical exam facilities at AFRC installations and may have a mobility tasking. Each installation is authorized a single medical exam facility. Reserve Medical Units located on Active-Duty installations are authorized space for administrative and training functions but will perform physical exams / customer service within the Active-Duty clinic. A small to medium unit supports up to 1500 TRs and a large unit supports over 1500 TRs.

Table 7.3. Aerospace Medicine Squadrons.

DESCRIPTION	**SCOPE (NSF)**			
	Host Unit		**Tenant Unit**	
	(SM-MED)	**(LRG)**	**(SM-MED)**	**(LRG)**
Squadron Commander	140			
Administrator	140			
First Sergeant	100			
Squadron Superintendent	100			
CSS	36 FT + 20 PT + 150[1]			
Senior ART / AGR	100			
ART / AGR	65			
MSC	36 FT + 20 PT			
Medical Administration	36 FT + 20 PT / 10 EA			
MICT	36			
UDM	36			
UTM	36			
Nursing Services	10 EA			
Chief Nurse	100			
Flight Chief / Commander	100			
Flight Superintendent	65			
Section Chief	65			

DDR	36 FT + 20 PT / 10 EA + 200 (User justified)			
Physical Exam Room	100 EA	100 EA	na	na
Providers	36 EA			
Flight Surgeons	36 EA			
Immunizations	36 FT + 20 PT / 10 EA			
Medical Technicians	36 FT + 20 PT / 10 EA			
Medical Readiness	36 FT + 20 PT / 10 EA			
Logistics	36 FT + 20 PT / 10 EA			
Optometry	36 FT + 20 PT / 10 EA			
Eye Exam Room	100 EA			
Audiology	36 FT + 20 PT / 10 EA			
Audio Exam Room	100 EA			
Pharmacy Technicians	36 FT + 20 PT / 10 EA			
Mental Health	36 FT + 20 PT / 10 EA			
Radiology	36 FT + 20 PT / 10 EA			
Public Health	36 FT + 20 PT / 10 EA			
Dental	36 FT + 20 PT / 10 EA			
Dental Exam Room	120 EA	120 EA	na	na
Lab Technicians	36 FT + 20 PT / 10 EA			
Lab Services	36 FT + 20 PT / 10 EA			
Skills Lab (one per AFRC unit)	700	850	700	850
Training Room	900	1,200	900	1,200
Medical/Dental Records	250			
Conference Room	300			
Breakroom	3 SF / Workspace			
Waiting Room	600	800	na	na
Storage – General	User justified - 4 EA			
Storage – Secure (Drugs)	60			
Storage – Equipment	User justified			
Notes:				

1. 150 SF for reception/orderly room/sign-in area.
1. TR positions are authorized a 10 EA (open office space or a task station unless an individual 36 NSF cubicle is User justified.

7.5. Medical Squadrons (MDS) (FAC 1714; CATCODE 171-450): Medical Squadrons train to perform EMEDS (Expeditionary Medical Support) and AFTH (Air Force Theatre Hospital) medical support packages to provide individual bed-down and theater-level medical services for deployed forces. There is considerable variation in the Medical Squadron size throughout the Command. A small to medium supports up to 1500 TRs and a large support over 1500 TRs. If an MDS is located on an Active Duty or AFRC Host installation and is responsible for physical exams, review AMDS criteria in addition to MDS. Reserve Medical Units located on Active-Duty installations are authorized space for administrative and training functions but will perform physical exams / customer service within the Active-Duty clinic.

Table 7.4. Medical Squadrons (MDS).

DESCRIPTION	**SCOPE (NSF)**			
	Host Unit		**Tenant Unit**	
	(SM-MED)	**(LRG)**	**(SM-MED)**	**(LRG)**
Squadron Commander	140			
Administrator	140			
First Sergeant	100			
Squadron SEL (Superintendent)	100			
CSS	36 FT + 20 PT + 150[1]			
Senior ART / AGR	100			
ART / AGR	65			
MSC	36 FT + 20 PT			
Medical Administration	36 FT + 20 PT / 10 EA			
Medical Records (includes dental)	36 FT + 20 PT + 350 (User justified)			
Career Advisor	36 FT + 20 PT			
UDM	36			
UFPM	36			
UTM	36			
MICT	36			
Nursing Services	10 EA			
Chief Nurse	100			

Flight Chief / Commander	100			
Flight Superintendent	65			
Section Chief	65			
Providers	36 EA			
Flight Surgeons	36 EA			
Medical Technicians	36 FT + 20 PT / 10 EA			
Medical Readiness	36 FT + 20 PT / 10 EA			
Logistics	36 FT + 20 PT / 10 EA			
Bio Medical Equipment Technician	36 FT + 20 PT / 10 EA			
Dietary	36 FT + 20 PT / 10 EA			
Optometry	36 FT + 20 PT / 10 EA			
Eye Exam Room (User justified)	100 EA (if no AMDS & perform)			
Audio	36 FT + 20 PT / 10 EA			
Audio Exam Room (User justified)	100 EA (if no AMDS & perform)			
Pharmacy Technicians	36 FT + 20 PT / 10 EA			
Mental Health	36 FT + 20 PT / 10 EA			
Radiology	36 FT + 20 PT / 10 EA			
Public Health	36 FT + 20 PT / 10 EA			
Dental	36 FT + 20 PT / 10 EA			
Dental Exam Room (User justified)	120 EA (if no AMDS & perform)			
Physical Therapy	36 FT + 20 PT / 10 EA			
Lab Technicians	36 FT + 20 PT / 10 EA			
Lab Services	36 FT + 20 PT / 10 EA			
Skills Lab (one per AFRC unit)	700	850	700	850
Training Room	900	1,200	900	1,200
Conference Room	300			
Breakroom	3 SF / Workspace			
Waiting Room	600	800	na	na
Storage – Medical	120	180	120	180
Storage – Secure (Drugs)	60			

Storage – Mobility	500
AF Theatre Hospital Training Area (User justified)	500 min (User justified)
CCAT	36 FT + 20 PT / 10 EA
Storage - CCAT	100
Notes: 1. 150 SF for reception/orderly room/sign-in area. 2. TR positions are authorized a 10 EA (open office space or a task station) unless an individual 36 NSF cubicle is User justified.	

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Director of Logistics, Engineering, and Force Protection

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

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Prescribed Forms

No form prescribed.

Adopted Forms

DAF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

AES—Aeromedical Evacuation Squadron

AGE—Aerospace Ground Equipment

AGR—Active Guard and Reserve

AMDS—Aerospace Medicine Squadron

ART—Air Reserve Technician

ASTS—Aeromedical Staging Squadrons

ATCALS—Air Traffic Control and Landing Systems

ATV—All Terrain Vehicle

BDOC—Base Defense Operations Center

BOS—Base-Operating Support

C2—Command and Control

CBRN—Chemical, Biological, Radiological, Nuclear

CCAT—Critical Care Air Transport

CE—Civil Engineer

CM—Circulation Multiplier

CSS—Commander's Support Staff

DCC—Deployment Control Center

DDR—Drug Demand Reduction

DMS—Decentralized Materiel Support

EA—Emergency Action

ECC—Emergency Control Center

ECM—Electronic Counter Measures

EOD—Explosive Ordnance Disposal

FAA—Federal Aviation Administration

GCA—Ground Control approach

HARM—Host Aviation Resource Manager

ICC—Installation Command Center

IDRC—Installation Deployment Readiness Cell

IPR—Installation Personnel Readiness

LIN—Liquid Nitrogen

LOX—Liquid Oxygen

MDS—Medical Squadrons

MDS—Mission Design Series

MICT—Management Internal Control Toolset

MQTP—Maintenance Qualification Training Program

MSC—Medical Service Corps

OSI—Office of Special Investigation

PAA—Primary Assigned Aircraft

QAE—Quality Assurance Evaluator

RAPCON—Radar Approach Control

RDRC—Reserve Deployment Readiness Cell

SARC—Sexual Assault Response Coordinator

SARM—Squadron Aviation Resource Manager (Flying Squadrons /AS/ARS/FS/AES/)

SCBA—Self Contained Breathing Apparatus

SCIF—Sensitive Compartmented Information Facility

SEL—Senior Enlisted Leader, previously Squadron Superintendent

SERE—Survival Evasion Resistance and Escape

SF—Square Feet

SFS—Security Forces Squadron

SIPRNET—Secure Internet Protocol Router Network

TR—Traditional Reservist

UAV—Unmanned Aerial Vehicle

UDM—Unit Deployment Manager

UFPM—Unit Fitness Program Manager

UTC—Unit Type Code

UTM—Unit Training Manager

Terms

Open Office—Administrative workspace constructed with the minimum number of interior walls required to provide structural support.