

Category Group 44, Supply Storage Facilities (Covered Storage).

1.1. General Criteria.

1.1.1. Description. The term “LRS facilities” applies to facilities required to store material and equipment under the accountability of the LRS or counterparts in base tenant organizations. They are Hazardous Storage (**CATCODE 442257**), Supply and Equipment (**CATCODE 442628**), Warehouse Supply and Equipment (**CATCODE 442758**), and Open Storage Supply (**CATCODE 452252**).

1.1.1.1. Requirements Determination. The four CATCODEs above are not to be used to identify sheds, warehouses, and yards that are used to store organizational storage items for which accountability rests with using organizations. The space criteria given in this Manual for operating buildings, shops, and so forth, are intended to provide storage space for the material and equipment used in daily operations as well as operating space. The facility code of the operating building applies to such storage space whether it occupies space in the operating building or in a separate building. An exception to this occurs when an activity's storage requirement represents a significant part of its total facility requirement and, therefore, has been recognized by the establishment of a separate facility and facility code. Where there is evidence that organizational storage needs are not adequately recognized in current criteria, the activity identifying the need should initiate corrective action under procedures given in AFI 32-1024.

1.1.1.2. Computing Supply Storage Requirements.

1.1.1.2.1. Space requirements for the four facilities listed in paragraph 1.1.1 are computed from the space factors given in Table 1.1 and Table 1.2 from the additional criteria given below, and in the descriptions of the individual facilities. The factors used in Table 1.1 and Table 1.2 represent space requirements for normal authorized stock levels to support all assigned aircraft and all assigned active military personnel and civilian employees.

1.1.1.2.2. Space for Mobile Readiness Spare Packages (MRSP) is additive to that computed under Table 1.1 and Table 1.2 (below). Total space requirements in any appropriate combination of warehouse, shed, or open yard are given in Table 1.3, below.

1.1.1.2.3. Additional storage space is authorized for storing the property in the equipment account. This additional space is 10 percent of the space computed in accordance with paragraph 1.1.1.2.1.

1.1.1.2.4. When existing warehouses have clearances between the floor and the bottom of the ceiling joist or truss of 5.5 m (18 ft) or more, use double-deck construction within the existing facility before programming a new facility or an addition to the existing facility. The effects of double-decking on the building fire protection system should be recognized.

Table 1.1. Space Requirements for LRS Storage - Factors for Aircraft.

Category of Aircraft	Warehouse Space/Aircraft		Shed Space/Aircraft		Open Storage Space/Aircraft	
	Gross Area					
	m ²	ft ²	m ²	ft ²	m ²	yd ² /ft ²
Bombers						
Fighter	65	700	4.6	50	25	30/270
Heavy	209	2,250	6.5	70	28	33/297
Cargo						
Tactical	49	525	2.8	30	18	22/198
Strategic	279	3,000	9.3	100	37	44/396
Other						
Duel Usage: Tactical and Strategic	Consult ACC/A4 for requirements					
Special Operations	See Note 8					
Combat Search and Rescue Unit	See Note 8					
Refuelers	49	525	2.8	30	18	22/198
Fighter/Attack	Consult ACC/A4 for requirements					
Helicopter	23	250	0.5	5	5	6/54
Utility	23	250	0.5	5	5	6/54
Trainer	28	300	0.7	8	9	11/99

NOTES:

(All notes are General Notes)

1. Compute space requirements for a specific Mobile Distribution System (MDS) using the category which most closely relates to the MDS. The number of aircraft is the total of PAA aircraft plus the number of Backup Aircraft Inventory (BAI) aircraft normally on hand.
2. Refer to Chapter 2, AFJMAN 23-210, Joint Service Manual (JSM) for Storage and Materials Handling when developing storage space requirements.
3. Ensure supplies stored in warehouses make maximum use of attainable cube. This is equally applicable to items stored in bins, pallet racks, or bulk areas.
4. Allow additional space for operational flexibility. This generally is 15 percent of net available area (see paragraph 2-6f, AFJMAN 23-210).
5. Add the floor space created by a mezzanine to normal floor space square footage to determine space requirements versus assigned when the facility is equipped with a mezzanine or a mezzanine is planned.
6. When high-rise bins or racks are used in a facility, reduce the square footage requirements by 25 percent for each 1.2 m (4 ft) of vertical shelving that exceeds the normal 2.1 m (7 ft). The percentage adjustment should only apply to the square footage /square meters of the area where the bins or racks (high-rise) exceed 2.1 m (7 ft). (Example: If bin/rack height is 3.4 m (11 ft), it equals a 25 percent reduction. If bin/rack height is 4.6 m (15 ft), it equals a 50 percent reduction because property that is stacked twice the normal height only requires half the square footage.)
7. Include a statement on DD Form 1391 that maximum attainable cube is being used.
8. Space is determined by individual analysis and validated by the appropriate MAJCOM.
9. Refer to FC-6 CG-61 Admin Overview for approved office types and sizes.

Table 1.2. Space Requirements for LRS Storage – Factors for Persons (Gross Area).

Base Personnel Population ^{1,2,3}	Warehouse Space Per Person		Shed Space Per Person		Open Storage Space Per 200 Persons	
	m ²	ft ²	m ²	ft ²	m ²	ft ²
Up to 4,000	1.39	15	0.19	2	10.31	111
1st additional 2,000	0.93	10	0.14	1.5	6.22	67
2nd additional 2,000	0.46	5	0.05	0.5	4.18	45
Over 8,000	0.28	3				

NOTES:

1. Includes all employees whose work is logistically supported by the LRS.
2. Refer to FC-6 CG-61 Admin Overview for approved office types and sizes.
3. Number of personnel requires user justification.

Table 1.3. Space Requirements for Mobile Readiness Spares Packages (MRSP)^{1, 2}.

Type of Aircraft Squadron	Gross Area	
	m ²	ft ²
Bomber		
Fighter	372	4,000
Heavy	557	6,000
Cargo		
Tactical	325	3,500
Strategic	743	8,000
Special Operations Squadron	See Note 3	
Combat Search and Rescue Unit	See Note 3	
Refuelers	139	1,500
Fighter/Attack/	139	1,500
Helicopter	93	1,000
Type of Non-flying Squadrons or Units		
Combat Communication Squadron (CCS)	70	750
Tactical Air Control Squadrons/Elements		
CRC	372	4,000
CRP	102	1,100
ASOP	74	800
TACC	372	4,000
FACP	111	1,200
TACP	93	1,000
RED HORSE Squadrons:	167	1,800
Photo Processing Interpretation Facility (PIIF)	167	1,800
(WS 428/430/TER - included in total above)		
Analytical Photogrammetric Positioning System (APPS)	56	600

NOTES:

1. When MRSP is maintained on 463L pallets for mobility, authorized space may be increased up to 50 percent.
2. Refer to FC-6 CG-61 Admin Overview for approved office types and sizes.
3. Space is determined by individual analysis and validated by the appropriate MAJCOM.