

Aircraft Support Equipment Storage Yard. FAC: 1164

CATCODE: 852273

OPR: AF/A4L

OCR: AFCEC/COS

1.1. **Description.** Facility designed for the storage of powered and non-powered aircraft support equipment (AGE) that service various aircraft. The area is paved and, where necessary for efficient operations or safeguarding, fenced and lighted.

1.2. **Requirements Determination.** The requirement applies to yards adjoining Aircraft Support Equipment Shop/Storage (CATCode 218712) or at dispersed sub-pool locations. The storage yards are part of the total AGE standby storage requirement which may include heated and unheated buildings or sheds. For reasons of economy, yards are the preferred facility wherever climate and operational factors permit.

1.2.1. Yard space requirements (in square meters) are provided out of the total space allowances for standby storage facilities given in Table 1.

1.2.2. The above-mentioned requirements do not apply to spacing and/or placing fueling vehicles in structures designed for servicing equipment of this nature.

1.3. **Scope Determination.** To determine the area required, a factor of 334 m² (400 yd²) per vehicle may be used as a guide. This factor is predicated on the use of the F-6 type semi-trailer with M-52 type tractor.

1.4. **Dimensions.** See paragraph 1.2.1

1.5. **Design Considerations.** See UFC 3-250-18FA. Facility design includes, as an integral component, provisions to preclude discharge of pollutants to the surrounding atmosphere, ground, or waters. In particular, consider oil-water separators with integral grit chamber for storm water runoff from AGE parking areas. Additionally, ensure storm water pretreatment complies with all applicable regulations, permits such as the National Pollutant Discharge Elimination System (NPDES) Permit Program, and the base's Storm Water Pollution Prevention Plan." Consult AFI 32-7041 for additional guidance on wastewater and storm water collection, treatment and disposal compliance.

Table 1. Space Requirements for AGE Shop/Storage Facility.

Number of Authorized Pieces of AGE	Gross Area					
	Shop		Covered Storage ¹		Open Storage ¹	
	m ²	ft ²	m ²	ft ²	m ²	yd ²
Up to 100	502	5,400	480	5,170	48	57.4
101 to 150	641	6,900	721	7,760	72	86.3
151 to 200	748	8,050	962	10,350	96	115
201 to 250	855	9,200	1,200	12,940	120	143.8
251 to 300	962	10,350	1,440	15,530	144	172.3
301 to 350	1,070	11,500	1,680	18,110	168	201.3
351 to 400	1,180	12,650	1,920	20,700	192	230

Number of Authorized Pieces of AGE	Gross Area					
	Shop		Covered Storage ¹		Open Storage ¹	
	m ²	ft ²	m ²	ft ²	m ²	yd ²
401 to 450	1,280	13,800	2,160	23,290	216	258.8
451 to 500	1,360	14,605	2,400	25,880	240	287.5
501 to 550	1,410	15,180	2,640	28,460	264	316.3
551 to 600	1,460	15,755	2,880	31,050	288	345
601 to 650	1,520	16,330	3,130	33,640	313	373.8
651 to 700	1,570	16,905	3,370	36,230	337	402.5
701 to 750	1,620	17,480	3,610	38,810	361	431.3
751 to 800	1,680	18,055	3,850	41,400	385	460
801 to 850	1,730	18,630	4,090	43,990	409	488.8
851 to 900	1,780	19,205	4,330	46,580	433	517.5
901 to 950	1,840	19,780	4,570	49,160	457	546.3
951 to 1,000	1,890	20,355	4,810	51,750	481	575

NOTES:

1. Total storage includes covered and open storage. Total open and covered storage space may not exceed the numbers listed.