

Battlefield Weather Squadron (New Requirement). FAC: 1444

CATCODE: 141XX2

OPR: AFWA/A5/A8, MAJCOM/A3W

OCR: MAJCOM/A6

1.1. Description.

1.1.1. The Battlefield Weather (BW) squadron provides space for command, operations, planning, training, and maintenance (equipment and vehicle) activities, as well as an armory for Battlefield Weather forces supporting modular Army operations.

1.1.2. The BW detachment provides operational, administrative, maintenance, and storage space for BW organizations below squadron level. The term “detachment” refers to any below-squadron BW organization. This can include, but is not limited to, BW detachments, operating locations, and liaison offices operating on Army installations.

1.2. Requirements Determination. Obtain further information through AFWA/A5/8 or MAJCOM A3 weather staff.

1.2.3. PAD 06-05, Tactical Air Control Party (TACP), Air Support Operations Center (ASOC), and BW Integration with the Modular Army drove the stand-up of BW squadrons on Army installations. The facility should be programmed if the Army cannot fulfill their required facility obligations per AFJI 15-157, *Weather Support for the US Army*. Allocate space for the NTFS, which includes Communications/Data management, Weather Station Terminals, and Staff Weather Officer Terminals; Weather Radar (WSR88D) –Open Principal User Processor Terminal (some weather stations also have a Unit Control Position); desktop computers for receipt and display of satellite and radar data; and spatial requirements as outlined below.

1.2.4. The BW detachment requirements are based on the number of personnel assigned to the organization and the span of their operational responsibility. Though the guidance listed in **Table 1.2** falls into two categories, small (~15 personnel) and large (~25 personnel), modify/assess specific space requirements for portions of the structures to accommodate actual manning as noted.

1.3. Scope Determination. **Table 1.1** lists space requirements for BW squadron operations. **Table 1.1** provides space requirements for BW detachment operations. Space is required for a command section, operations management, operations areas, training classrooms, multipurpose/seminar, storage for CWDE, individual combat equipment, HAZMAT, CCI, tactical meteorological equipment, combat support equipment, subsistence supplies, weapons, locker/shower rooms, fitness facilities, and equipment and vehicle maintenance bays.

1.4. Dimensions. See **Facility Class 6** of this Manual and **Table 1.1** and **1.2** below.

1.5. Design Considerations.

1.5.5. Requires 220 VAC/115 VAC, 60 Hz service with backup power and UPS. See AFI 32-1063.

1.5.6. Provide connectivity with on- and off-base weather sensors; base LAN connectivity to GIG and connected weather sensors; dedicated land lines to base operations; air traffic control facilities; and a DSN Class A worldwide phone line.

1.5.7. Locate to satisfy explosives safety standards in relationship to other explosives storage and operating facilities. Noise attenuation measures are necessary if located in close proximity to runway(s) or industrial area(s).

Table 2.24. Battlefield Weather Squadron Space Requirements.

Offices	Small Sq (~ 50)		Large Sq (~ 120)	
	Office Type (see Tables 1.3/1.4)	Qty	Office Type (see Tables 1.3/1.4)	Qty
Commander	C	1	C	1
Superintendent	D	1	D	1
First Sergeant	D	1	D	1
Director of Operations	D	1	D	1
Operations Superintendent	D	1	D	1
Flight CC/NCOIC	D	4	D	8
System Management Personnel	F	4	F	8
Operations Center	F	5	F	11
Information Management/Client Support Administrators	F	Varies	F	Varies
Administration Support	see Tables 1.3/1.4		see Tables 1.3/1.4	
Special Purpose Spaces	m ²	ft ²	m ²	ft ²
Lobby	User justified		User justified	
Classroom	see Table 1.4		see Table 1.4	

	Small Sq (~ 50)		Large Sq (~ 120)	
Conference Room	see Table 1.4		see Table 1.4	
Multi-purpose room	93	1,000	186	2,000
Mission Planning/Briefing Room ¹	37	400	74	800
Flight Operations Suite	178	1,900	353	3,800
Break Room	see Table 1.3		see Table 1.3	
Fitness Area, Showers, and Lockers ^{2,3}	116	1250	279	3,000
Supply Room	19	200	38	300
Individual Combat Equipment Storage Room (100 ft ² cages) ⁴	372	4,000	948	10,200
CCI & Equipment Maintenance Room	19	200	28	300
Tactical Meteorological Equipment Storage	111	1,200	232	2,500
CCI Equipment Storage	19	200	19	200
Armory ⁵	28	300	56	600
Exterior Areas				
HAZMAT Storage	9	100	14	150
Covered Military Vehicle/Trailer Storage ^{6,3}	268	2,880	557	6,000
Military Vehicle Wash Rack ³	49	525	49	525
Military Vehicle Maintenance Bays ⁷	84	900	130	1,400
Antennae Farm	46	500	93	1,000
<p>NOTES:</p> <ol style="list-style-type: none"> 1. Mission Planning room includes a/v equipment, white board, map worktables, etc. 2. Based on 25 ft² /per person allowance. 3. User justified. 4. 10'x10' secure storage cage for each person. Plan space for assumed 85% manning. 5. For combined armory, weapons cleaning/maintenance area, use 15 ft² /per person. 6. Vehicle storage based on approximately 240 ft² per HMMMVs. (12 HMMMVs in a small squadron and 25 HMMMVs in a large squadron. Includes 50 ft² secured covered storage containers for each HMMMVs for tactical gear and equipment.) 7. Includes bench stock, supplies and work tables. 				

Table 1.2. Battlefield Weather Detachment Space Requirements.

Offices	Small Sq (~ 15)		Large Sq (~ 25)	
	Office Type (see Tables 1.3/1.4)	Qty	Office Type (see Tables 1.3/1.4)	Qty
Detachment Commander	D	1	D	1
Detachment Superintendent/NCOIC	D	1	D	1
Director of Operations	D	1	D	1
OIC, Detachment Operations	E	1	E	1
NCOIC, Detachment Operations	E	1	E	1
Operations Center	F	3	F	5
Information Management/Client Support Administrators	F	1	F	1
Administration Support	see Tables 1.3/1.4		see Tables 1.3/1.4	
Special Purpose Spaces	m ²	ft ²	m ²	ft ²
Lobby	User justified		User justified	
Conference Room	See Table 1.4		See Table 1.4	
Multi-Purpose Room	39	425	53	575
Mission Planning/Briefing Room ¹	37	400	37	400
Flight Operations Suite	70	750	133	1,430
Break Room	see Table 1.3		see Table 1.3	
Fitness Area, Showers, and Lockers ^{2,3}	35	375	58	625
Individual Combat Equipment Storage Room ⁴	84	900	139	1,500
CCI Storage and Equipment Maintenance Room	19	200	19	200
Tactical Meteorological Equipment Storage	56	600	84	900
Armory ⁵	21	225	36	375
Exterior Areas				
HAZMAT Storage	9	100	9	100
Military Vehicle Wash Rack ³	49	525	49	525
Military Vehicle Maintenance Bays ⁷	130	1,400	130	1,400
Vehicle Covered Parking Area ^{6,3}	134	1,440	223	2,400
Antennae Farm	46	500	46	500
<p>NOTES:</p> <ol style="list-style-type: none"> 1. Mission Planning room includes a/v equipment, white board, map worktables, library, maps, operational materials storage, etc. 2. Based on 25 ft /per person allowance. 3. User justified. 4. Provide one secure storage cage 60 ft² per person 5. For combined armory, weapons cleaning/maintenance area use 15 ft² /per person. Place adjacent to weapons armory. 				

Small Sq (~ 15)	Large Sq (~ 25)
<p>6. Vehicle storage based on approximately 240 ft² per HMMMV. (6 HMMMV's in small detachments, 6 HMMMV's in large detachments. Includes 50 ft² secured covered storage containers for each HMMMV for tactical gear and equipment.)</p> <p>7. Includes bench stock, supplies, and work tables. Recommended dimensions are 20 ft wide by 70 ft long.</p>	