

## **Band Center. FAC: 1713**

CATCODE: 171158

OPR: SAF/PA

OCR: N/A

**1.1. Description.** This facility provides space for the operation and administration of a band and its musical units.

**1.2. Requirements Determination.** Each Air Force Band is divided into several Music Performance Teams. Space provided must accommodate simultaneous training, rehearsals and performances, as well as administrative functions associated with band operations. A Band Center must include the following functions:

**1.2.1. Acoustically Treated Main Rehearsal Studio, Team Rehearsal Studios and Individual Practice Studios.** Inter-space sound isolation and room acoustics are primary considerations, as all Music Performance Teams must be able to practice at the same time in different rooms without interrupting each other's rehearsals or the unit's administrative functions. Additionally, music studios require an ample volume of space for sound dissipation. Square footage is not tied solely to number of personnel but also incorporates expected sound output (decibels) for each space and incorporates appropriate cubic volume requirements to mitigate risk of hearing loss from prolonged exposure. Contact OPR for additional information.

1.2.1.1. A Main Rehearsal Studio is required to accommodate all assigned personnel and also house large audio and percussion equipment without degrading the functionality of the studio. The Main Rehearsal Studio must be able to accommodate a limited number of spectators in support of each band's civic outreach objectives in conjunction with base protocol and Public Affairs programs. See **Table 1.2** for required size based on manning authorizations.

1.2.1.2. Team Rehearsal Studios are required for each Music Performance Team. See **Table 1.2** for a breakdown for differently manned units. The size of each rehearsal studio is to be determined by the number of participants, type of music to be rehearsed, and volume of space required to achieve proper acoustical feedback and critical listening across the ensemble. They must also be able to accommodate a limited number of spectators in support of each band's civic outreach objectives in conjunction with base protocol and Public Affairs programs.

1.2.1.3. Studio ceiling heights must provide the foundation for proper acoustical treatment. Adjustable acoustic clouds and curtains that attenuate sound within the rehearsal rooms and facilitate lighting maintenance are required. Ceiling height requirements are listed in **Table 1.2**.

1.2.1.4. A professional recording studio is required to be incorporated into the Main Rehearsal Studio of each facility to produce multi-media products.

1.2.1.5. Air-handling, electrical systems and sound isolation components in walls, floors, and ceilings must have a combined noise control rating of NC-15 or less for Main Rehearsal Studios, NC-20 or less for Team Rehearsal Studios, and NC-

25 or less for all Individual Practice Studios.

1.2.1.6. **Individual Practice Studios.** A minimum of one acoustically treated and isolated Individual Practice Studio for every six authorized manning positions is required to fulfill training/practice needs of the individual musicians.

1.2.2. **Music Library.** Provide a secure, year-round climate controlled storage area for sheet music storage. The Music Library should include appropriate-sized administration space as well as specialized work space. Contact OPR for details.

1.2.3. **Music Arranger Studio.** Provide an acoustically treated, sound-isolated room for a music arranger (AFSC 3N1X1P) with an NC-15 noise control rating.

1.2.4. **Lighting of Main Rehearsal, Team Rehearsal and Individual Practice Studios.** Task lighting for music rooms requires higher standards of uniform light. This is due to the fine details and inconsistent ink and paper used for various sheet music, distance from the eyes, and awkward angles of viewing music quickly on stands while simultaneously following a conductor or team leader. Direct and reflected glare as well as high contrast and shadows must be minimized. A minimum of 70 foot candles registered at task level is required and is compatible with Illuminating Engineering Society published standards. Ceiling height and balanced light diffusion as well as economy of maintenance must be carefully considered in addition to noise standards in para 1.2.1.5. when designing a lighting system for Main Rehearsal, Team Rehearsal and Individual Practice Studios.

1.2.5. **Climate Control.** Year-round climate control is required for the Main Rehearsal, Team Rehearsal and Individual Practice Studios, as well as instrument storage areas, to preserve wooden instruments and accurate tuning for ensemble and individual pitch control. Temperature shall be maintained between 65 and 72 degrees Fahrenheit and 35-50 percent humidity. Air handling equipment shall be designed to meet noise control standards established for each area of the building.

1.2.6. **Loading Docks.** All band facilities will have an integrated, covered loading dock area to accept a wide variety of trucks up to and including tractor/semi-trailer vehicles. Mechanical built-in lift equipment to adjust dock to different height truck beds, non-slip surfaces, and adequate lighting is required for the safety of all members.

1.2.7. **Locker Rooms.** Separate male and female dressing rooms with showers and individual lockers are required for performance uniforms, garment bags, shoes, hats, accouterments and physical training gear. A minimum of 63 inches (160 cm) of uniform hanging space per member shall be provided. Typical required locker sizes are 40 inches (100cm) width by 28 inches (70cm) depth by 87 inches (220cm) height. Locker room doors shall accommodate movement of oversize equipment in and out of the locker rooms.

1.2.8. **Supply Office and Instrument Storage.** All bench stock instruments and performance uniforms, deployment and State Funeral Plan equipment, tools, and instrument and office supplies will be kept in a secure storage area that is year-round climate controlled for the preservation of sensitive wooden instruments, electronics and performance uniforms.

1.2.9. **Administrative Space.** Consult the **Facility Class 6, Category Group 61,**

**Administrative Facilities Overview** for administrative space requirements and position-based office space planning factors. Band Center office spaces are based on Unit Manning Document authorized positions. Authorized position-based office types are provided in **Table 1.1**.

**1.3. Scope Determination.** Space requirements will be determined by the number of Music Performance Teams and the size of the band. Reference *AFI 35-110, U.S. Air Force Band Program*.

**1.4. Dimensions.** Minimum overall facility square footage for various band sizes is provided in **Table 1.2**.

**1.5. Design Considerations.** Seek to maximize efficiency of operations for multiple Music Performance Teams and economy of utility control without facility construction redundancy. Contact OPR for the latest guidance on design considerations. Reference *AFI 35-110, U.S. Air Force Band Program*.

1.5.1. Commercially available planning guides may be used for reference in developing a Band Center.

1.5.2. Consult a highly qualified professional acoustic engineer for current standards of construction, including acoustical treatment, vibration control, and sound isolation of rehearsal/practice spaces and accompanying operational and administrative functions for professional musicians and support staff.

1.5.3. Ceiling heights for the Main Rehearsal and Team Rehearsal Studios should be designed to ensure adequate absorption/reflection time in conjunction with the acoustic infrastructure for each studio.

1.5.4. Bands require use of commercial internet services (to include Wi-Fi). In locations where SIPR systems are also required, special considerations must be addressed to allow concurrent operation of SIPR and Wi-Fi.

**Table 1.1. Position-Based Office Types.**

<b>Personnel Position</b>	<b>Office Type</b> (see FC-6 CG-61 Administrative Facilities Overview)
Commander	C
Flight Commander	D
Chief Enlisted Manager	D
Superintendent	E
First Sergeant	D
Section Chief(s)	E
Operations Section	F
Publicity Section	F
Resources Section	F
Readiness Section	F
Administrative Support	F

**Table 1.2. Space Requirements for Band Facilities.**

Band Size	Total Ft <sup>2</sup> - Gross	Minimum Rehearsal Studios	Studio 1 <sup>1</sup> Ft <sup>2</sup> - Net	Studio 2 <sup>2</sup> Ft <sup>2</sup> - Net	Studio 3 <sup>2</sup> Ft <sup>2</sup> - Net	Studio 4 <sup>2</sup> Ft <sup>2</sup> - Net	Studio 5 <sup>2</sup> Ft <sup>2</sup> - Net	Studio 6 <sup>2</sup> Ft <sup>2</sup> - Net	Studio 7 <sup>2</sup> Ft <sup>2</sup> - Net	Studio 8 <sup>2</sup> Ft <sup>2</sup> - Net	Music Library Ft <sup>2</sup> - Net	Supply / Storage Ft <sup>2</sup> - Net	Open Admin (E/F) Ft <sup>2</sup> - Net	Misc <sup>4</sup> (specialty admin) Ft <sup>2</sup> - Net	Circulation approx 10%	Private Offices Ft <sup>2</sup> - Net	Private Offices - rank/position based (minimum required)
9 personnel (deployed site)	7000	1		1000							N/A	1800	336	1800	500	165	2
16 personnel	13000	2	2000	700							300	3000	720	2500	900	100	1
26 personnel	17000	3	2500	1000	700						600	3400	1104	2800	1200	340	3
49 personnel	26000	6	2800	1000	1000	700	700	500			900	4800	2112	3600	1800	540	5
61 personnel	32000	8	3200	1000	1000	700	700	500	700	700	1200	5500	2640	5000	2350	640	6
181 personnel (The USAF Band)	61000	7	4600	3000 <sup>3</sup>	1000	1000	1000	1000	700		2000	11000	6474	11000	4300	1540	15

Note 1: Studio 1 is the Main Rehearsal Studio for all band sizes (N/A at deployed site). Main Rehearsal Studios shall have a 30-foot ceiling height for new construction. For renovation projects, 30-foot ceiling height is desirable; however, a minimum of 20-foot ceiling height is acceptable with the approval of the OPR.

Note 2: Studios 2-8 are Team Rehearsal Studios. Team Rehearsal Studios shall have a 20-foot ceiling height for new construction. For renovation projects, 20-foot ceiling height is desirable; however, a minimum of 15-foot ceiling height is acceptable with the approval of the OPR.

Note 3: The USAF Band Studio 2 shall have a 30-foot ceiling height for new construction. For renovation projects, 30-foot ceiling height is desirable; however, a minimum of 20-foot ceiling height is acceptable with the approval of the OPR.

Note 4: Miscellaneous space includes areas unique to bands including, but not limited to, music arranger studio, instrument repair workspace, recording studio, audio/video production studio, locker rooms and individual practice studios. This space also includes common areas such as a break room, conference room and copy room.