MULTI-PURPOSE ROOM

FICM: 680 ITCC IDENTIFIER: 680.GENS.01

SPACE DESCRIPTION

The Multi-Purpose Room is designed for various needs including large-group instruction, presentations, or assemblies such as job fairs, school registration, community gatherings, etc. Equipment may include touchscreen TVs, whiteboards, and flexible AV technology. Room size and proportions may vary based on the number of occupants anticipated, and there may be multiple visual displays and podium positions. The room may be subdivided using operable partitions for maximum flexibility. Seating may include tables and chairs on casters or in some instances, tablet arm seating.

SUCCESS FACTORS

Acoustic Performance: It is crucial that the acoustic performance of the Multi-Purpose Room is carefully considered for background noise as well as speech intelligibility. An integrated AV system with microphone and speakers shall be provided, and special acoustical surface treatment may be required to provide an optimum acoustical environment.

Technology: Multi-Purpose Room displays must be clearly legible from all locations within the room. The display interface must be intuitive and able to adapt to multiple types of mobile and personal devices.

GENERAL

The Multi-Purpose Room shall be designed for use by any department for maximum use. Access shall be from major corridors and the room shall be isolated from industrial or service areas of the building. As use may occur after hours, Multi-Purpose Rooms shall be located near the main entrance and public restrooms, with consideration to securing the facility when necessary.

A dedicated storage room shall be located adjacent to the Multi-Purpose Room, with additional storage provided in-room as needed.

Operable partition wall for the center of the room is optional.

ACOUSTIC

Acoustic ratings for Multi-Purpose Room perimeter walls: STC 50. Special accommodation may be required due to location in building. Surface treatments such as acoustical panels or ceiling clouds may be added for increased performance. Operable partition walls must meet STC 50.

Maximum HVAC Background Noise: 40dBa

Follow the recommended methodologies and best practices for mechanical system noise control in ANSI Standard S12.60; the 2015 ASHRAE Handbook-- HVAC Applications, Chapter 48, Noise and Vibration Control (with errata); and AHRI Standard 885–2008.

Maximum NC Level for VAV's shall be less than 30 at maximum CFM.

MECHANICAL

Reduce HVAC noise by locating equipment away from the space.

Provide CO2 sensors.

ELECTRICAL & DATA

When laptops are a requirement for learning, special consideration is necessary to provide power to 100% of students.

Electrical and data integration is required in coordination with Ivy Tech specified AV package.

Provide power and data in ceiling for projectors to display on multiple walls.

Provide power on data on rear wall for additional equipment, as a learn anywhere option.

Floor outlets for power and data.

Alt. wall outlets or raceways near whiteboards.

Provide power and data for the following equipment:

- 4 (+/-) 75" touchscreen TVs, camera, microphone, and sound bar speaker on the front teaching wall.
- 2 (+/-) 75" smart touchscreen TV and webcam camera on the rear wall for virtual classes
- Instructor station with PC.
- Audio/ sound system to include instructor microphone, soundbars and wireless connection to student headsets as needed.
- Power and data equipment is located on the rear wall near storage room.

LIGHTING

- Provide lighting system with appreciable indirect component and good diffusion for maximum visibility from all directions.
- Provide controls for zoning and dimming. Front row shall be switched separately with three preset dimmable levels: low, medium, high.
- Provide low-brightness luminaires with high visual comfort probability (VCP) in all viewing directions. Average 40fc at 30" A.F.F. Min CRI 80.
- Lighting watts per square foot and controls shall meet the latest requirements of ASHRE 90.1

DOORS AND WINDOWS

Multi-Purpose Room doors shall be minimum STC 30 with 6" x 30" Window Lite preferred.

TECHNOLOGY

- Provide Wireless capability.
- Coordinate equipment for Learn Anywhere technology package per Ivy Tech specification.
- Audio/Visual System per Ivy Tech specification.

ACCESSORIES AND EQUIPMENT

- Provide displays on multiple walls with Projectable White Boards – 16' wide, Matte white, low-glare, 4.0 gain; must support 16:9 projection dimensions.

- On side walls, provide 8’-0” Tack Strips mounted at 72” A.F.F.
- Provide rolling white boards for flexibility.

FINISHES

Ceilings

Recommended Height: 10’ minimum, with special attention given to room acoustics.
Ceilings must have an NRC of .70 to .85 and STC 50.
For classrooms without full height perimeter walls, ceilings with high CAC (Ceiling Attenuation Class) values should be used.

Floors

Carpet tile is preferred for acoustic properties. Hard flooring is preferred where the floors are more susceptible to dirt or liquids.