

## 2D STUDIO LAB

### SPACE DESCRIPTION

The 2D Studio Lab is used by students to explore, develop and express their creative talents through hands-on media. This space may be 'overflow' for Painting and Printmaking Labs, and used for the teaching of color and design theory; Mixed Media.

### SUCCESS FACTORS

**Flexibility:** Open space to accommodate the desired number of students and the largest number of potential furniture and equipment arrangements.

**Durability and Cleanability:** material selection and finishes

Sinks, proximity to custodial support

**Light:** Natural Light; north facing exterior windows are preferred for daylighting.

Color-balanced LED Lighting; 5,000K – 5,500K (Natural White to Pure White).

Additional Track Lighting

**Storage:** Ample and deep storage space within the room or immediately adjacent is critical for equipment, tools, supplies and projects in process.

### GENERAL

All perimeter walls shall extend full height to deck.

Lab should be designed as square as possible to allow for the most flexibility, with a width to length ratio no more than 3:4.

Anticipated Room Occupancy 24

Minimum Ceiling Height: 9'

### ADJACENCIES

Display space for student work: Gallery.

Consider interior windows to provide visibility of the program in action from high-traffic areas in the building.

Provide for disposal of waste materials.

Access to laundry, locker rooms, showers and custodial amenities.

### ACOUSTIC

Acoustic ratings for Fine Art Lab perimeter walls: STC 45. Special accommodations may be required due to location in the building.

Maximum recommended 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

Window or room unit systems are not acceptable in Classrooms due to limited available wall space and poor acoustical performance.

Special air handling and ventilation for painting, oils, solvents and adhesives may be required. Coordinate with specific program requirements.

## PLUMBING / GASES / UTILITIES

Large, deep Sinks

ADA Sink

## ELECTRICAL & DATA

Place wall outlets at no more than 6' intervals or as necessary to allow for 30% coverage.

Provide power and data in ceiling for 2 projectors at the teaching wall.

Audio / sound system to include instructor microphone, soundbars and wireless connection to student headsets as needed.

## LIGHTING

Provide LED lighting system with appreciable indirect component and good diffusion for maximum visibility from all directions. Lighting color rendition to be 5,000K – 5,500K (Natural White to Pure White)

Provide controls for zoning and dimming. Front row shall be switched separately with three preset dimmable levels: low, medium, high. Provide a dimmer switch at the Instructors Station.

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

Prefer North-facing windows or clerestory for natural daylight.

## TECHNOLOGY

Provide Wireless capability.

Verify equipment specifications and requirements.

## ACCESSORIES AND EQUIPMENT

Provide 16' wide projectable whiteboard with marker tray at the front teaching wall. Whiteboard shall be matte white, low-glare, 4.0 gain; and must support 16:9 projection dimensions.

Provide ceiling mounted projectors.

Provide two framed 4' x 4' tackboards.

Provide storage space within the Lab for painting storage systems, flat files, cutting boards, large format rotary cutters, large guillotine paper trimmers, easels, and prop storage.

## FURNITURE

Furniture shall be selected for durability, cleanability, mobility and flexibility.

## FINISHES

### Ceilings

Recommended Height: 9' minimum.

Ceilings shall have an NRC of .70 to .85.

In renovations, classrooms without full height perimeter walls shall have ceilings with high CAC (Ceiling Attenuation Class) values.

### Floors

Sealed concrete or Hard surface flooring.

### Countertops

Verify requirements with the program.

### Walls

Epoxy Paint.

## DOORS AND WINDOWS

Doors shall be minimum STC 30 with 6" x 30" Window Lite preferred.

Windows or clerestory for daylight: North facing preferred.

Consider interior windows to provide visibility of the program in action from high-traffic areas in the building.