ART LAB SUITE

SPACE DESCRIPTION

The Art Lab Suite is dedicated space where students learn to explore, develop, and express their creative talents through hands-on media. This collective space requires a variety of components, infrastructure, and equipment based on the specific program. Depending on Service Area needs, possible spaces may include:

- Gallery Space
- Painting and Drawing Lab
- 2D Studio Lab
- Ceramics Lab
- Makers Space and Fabrication Lab
- Printmaking Lab
- Sculpture Lab
- Stone Carving Lab

Art Labs shall be located near high-traffic, high-visibility areas, such as the Main Lobby, Administrative Offices or Student Commons or Lounge. Consider interior windows to provide visibility of the program in action as well as completed work. Most programs will require direct access to the exterior to receive material supplies and equipment. Double doors or overhead doors with access to loading dock may be required. Consider options for disposal of waste materials. Verify specific needs with the program before beginning design.

SUCCESS FACTORS

Flexibility: Art Labs require open space to accommodate the desired number of students in the largest number of potential furniture and equipment arrangements.

Durability and Cleanability: Due to the messy nature of the activities in the space, careful selection of materials and finishes is needed. Labs require access to sinks in the room and close proximity to custodial support.

Light: Art Labs require excellent light quality with Natural Light preferred in all Art Studios, other than the dark room. North facing exterior windows are preferred for daylighting. Provide Color-balanced LED Lighting and Additional Track Lighting in select areas.

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

Visibility: Visual connectivity to high-traffic areas in the building is preferred. Programs encourage community engagement and desire the ability to showcase the processes as well as finished work.

GENERAL

All perimeter walls shall extend full height to deck.

Preference for Labs with a width to length ratio no more than 3:4 to allow for maximum flexibility.

ADJACENCIES

Art Lab Suites shall be nearby or include the following: Gallery and Public Areas, Exterior Access, Loading Dock with Trash and Recycling, and Services such as laundry, lockers and showers, and a custodial closet.

ACOUSTIC

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

Certain labs will require additional acoustical isolation and/or acoustic surface treatment.

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

Special air handling and ventilation for heat, combustion, fumes, or emissions may be required. Coordinate with specific program requirements.

PLUMBING / GASES / UTILITIES

Verify plumbing requirements with the program. Floor drains may be required for selected equipment.

Large, deep Sinks with Plaster Trap or Clay Trap as required.

ADA Sink with Plaster Trap or Clay Trap as required.

ELECTRICAL & DATA

Provide voltages as required by selected equipment, 120/208 and 277/480V typical. Additional power may be needed. Verify requirements with the program.

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 as needed. Reference individual Art Lab standards.

Audio / sound system to include instructor microphone, soundbars and wireless connection to student headsets as needed. Reference individual Art Lab standards.

LIGHTING

Natural daylight when possible, with North-facing or clerestory windows preferred.

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 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

Supplemental lighting; Spot or Track Lighting: verify specific space needs based on each art program.

TECHNOLOGY

Provide Wireless capability in all labs.

Provide A/V and Technology packages as required. Reference individual space standards for equipment requirements and verify with program.

ACCESSORIES AND EQUIPMENT

Reference individual space standards for equipment requirements and verify with program.

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 as required.

Provide a whiteboard and two framed 4' x 4' tackboards within each Art Lab.

Provide ample storage systems within the Labs and / or a storage room within Labs for equipment, tools, supplies and projects in process.

FURNITURE

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

FINISHES

Ceilings

Recommended Height: 9' minimum for most spaces, up to 15' minimum in some Art Labs. Acoustic treatment may be required in some areas. Reference individual Art Lab standards.

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. Reference Art Lab standards.

Receiving rooms shall be sealed concrete for delivery of pallets of materials.

Countertops

Solid surface or stainless steel, typical. Verify requirements with the program.

Walls

Epoxy Paint.

DOORS AND WINDOWS

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

Provide Overhead door with direct access to the exterior.

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

Windows or clerestory for daylight: North facing preferred.