# PRINTMAKING LAB

## SPACE DESCRIPTION

The Printmaking Lab is dedicated space used to introduce students to the traditional techniques of intaglio, collagraph, monotype, relief printmaking, serigraphy, or silkscreen printmaking. Students will learn composition, craft, and technical printing processes.

Three sub-support rooms within this space consist of a dark room, spray booth with independent exhaust, and storage.

Equipment needs must be verified to ensure the Lab is appropriate in size and configuration. Square shaped room layouts are typically ideal for greatest flexibility. Verify requirements with the program.

## 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.

Anticipated Room Occupancy 24

Minimum Ceiling Height: 9’

## ADJACENCIES

The Printmaking Lab should be in close proximity to the Fabrication Lab.

The Printmaking Lab 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.

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 printing, spray painting, and darkroom materials and chemicals.

Provide additional independent exhaust for spray painting booth and for darkroom. Coordinate with specific program requirements.

## PLUMBING / GASES / UTILITIES

Large, deep Sinks

ADA Sink

## ELECTRICAL & DATA

Verify equipment specifications and 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.

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, 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

Prefer North-facing windows or clerestory for natural daylight.

Track Lighting: Coordinate with specific program requirements.

Provide specialty lighting and controls for dark room and spray booth. Coordinate with specific program requirements.

## TECHNOLOGY

Provide Wireless capability.

Verify equipment specifications and requirements.

## ACCESSORIES AND EQUIPMENT

Typical equipment includes a Printing Press, Vacuum Light Table, Silk Screen, Book Press, and book binding equipment. Provide space for drying racks, flat files, cutting boards, large format rotary cutters, and large guillotine paper trimmers within the Lab. Verify specific equipment needs to ensure the Lab is appropriately planned.

Spray Booth with independent exhaust system.

Darkroom with independent exhaust system.

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.

## FURNITURE

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

Provide easels, tables, and stools based on program requirements.

## 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.

Darkroom door shall be equipped with perimeter seals and lockset hardware.