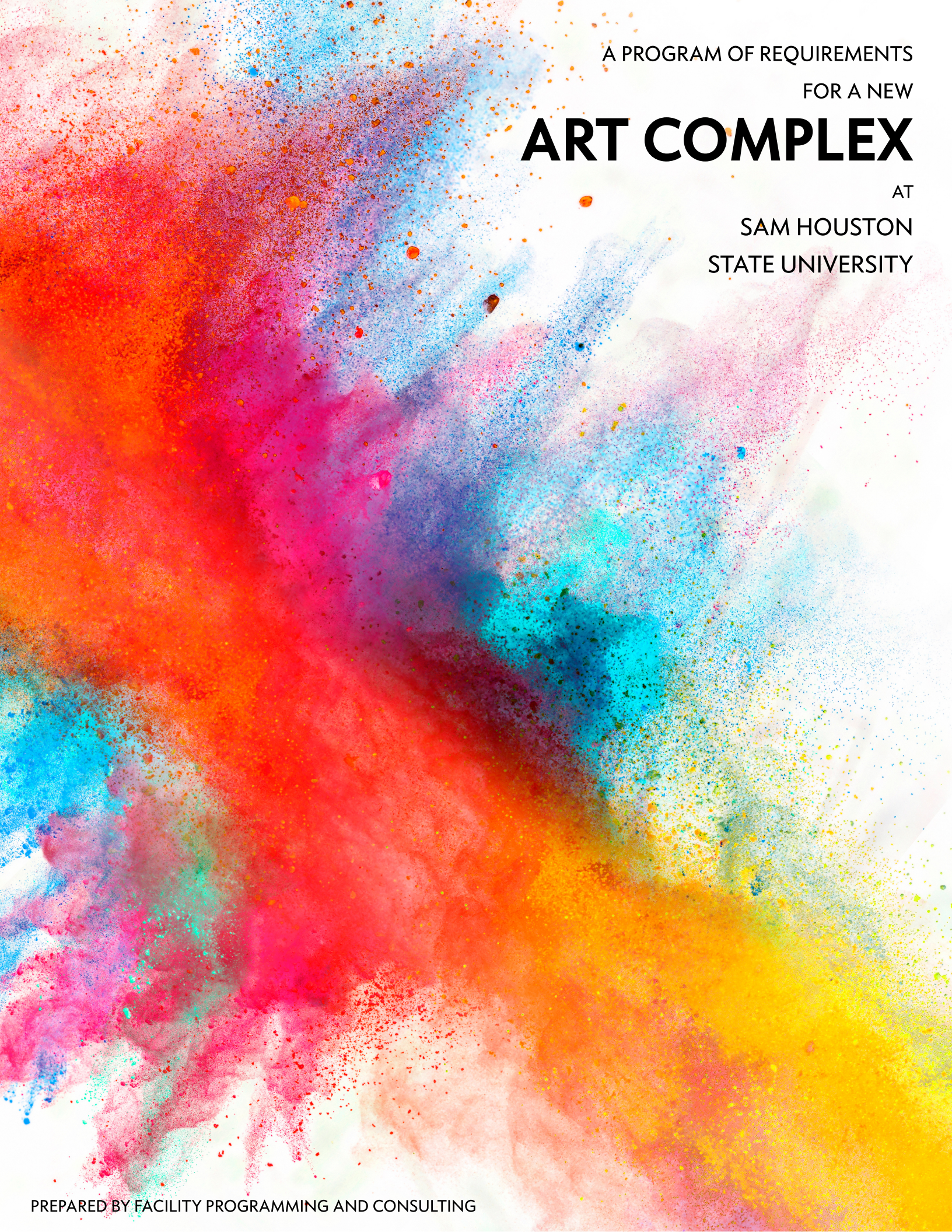

A PROGRAM OF REQUIREMENTS

FOR A NEW

ART COMPLEX

AT

SAM HOUSTON

STATE UNIVERSITY

PREPARED BY FACILITY PROGRAMMING AND CONSULTING

A PROGRAM OF REQUIREMENTS
for a new ART COMPLEX
at SAM HOUSTON STATE UNIVERSITY

Final Report
Issued April 2016

INTRODUCTION

FACILITY PROGRAMMING AND CONSULTING was engaged to prepare a program of requirements for a new Art Complex at *Sam Houston State University*. The architectural program is intended to give the design team a workbook from which to design.

The program lists all of the technical requirements along with sizing and adjacencies for each of the individual spaces required by the tenants of the building for both current needs and projected needs on a five-year horizon. The architectural program is not intended to stunt the creativity of the design team by advocating any design style or procedure. All diagrams and/or drawings contained herein are intended to illustrate the relationships involved, and are provided as examples to augment the text. The design team should not consider any of the diagrams to be a design directive. The architectural program document is structured into sections as described below:

- Sign-Offs contains the required signatures for approval of the architectural program
- The Executive Summary is a brief overview of the entire project, including location, both spatial and non-building related requirements, preliminary cost, and project schedule
- Vision and Goals describes why the project is required and affirms that it is in keeping with the stated mission and direction of the College

- Site Context and Infrastructure provides an analysis of the proposed site, including compliance with the master plan, initial concepts regarding the site planning for the facility, and infrastructure availability and requirements
- Space and Adjacency Requirements deals with the space requirements and functional relationships portion of the program
- Project Cost provides a cost estimate for the building based upon the program description and concept sketches

The contents of this document are not for regulatory approval, permitting, or construction

ABBREVIATIONS AND DEFINITIONS

THROUGHOUT THIS DOCUMENT THERE ARE MANY technical terms and abbreviations that must be defined. This section is provided to collect all of the terms and programming jargon into one location for the convenience of the reader.

ABBREVIATIONS

ADA	Americans with Disabilities Act
ASF	Assignable Square Feet
CFCI	Contractor Furnished, Contractor Installed
CMU	Concrete Masonry Unit
GFCI	Ground Fault Circuit Interrupter
GSF	Gross Square Feet
GWB	Gypsum Wallboard (Sheetrock)
HVAC	Heating, Ventilation, and Air Conditioning
LEED	Leadership in Energy and Environmental Design
MEP	Mechanical, Electrical, and Plumbing
NASF	Non-Assignable Square Feet
OFCI	Owner Furnished, Contractor Installed
OFOI	Owner Furnished, Owner Installed
SHSU	Sam Houston State University
VCT	Vinyl Composition Tile

DEFINITIONS

Assignable Square Feet	The usable floor area of a space up to the face of the wall on the side of the space
Gross Square Feet	The area within the outside face of the exterior walls of the building which includes assignable square feet, non-assignable square feet, building service area, circulation area, mechanical area, and structural area
Non-Assignable Square Feet	Occupiable spaces, e.g. telecommunication closets, janitor closets, required for the building's functions, but not usable space for the owner's program activities (includes building service, circulation, and mechanical areas)
Non-Occupiable Area	Also non-assignable square feet; floor area that cannot be occupied or used due to the location of interior columns and/or other structural supports, interior walls and permanent partitions and vertical penetrations
Technical Requirements	MEP and other physical, technical, or building construction requirements

SQUARE FOOT TERMINOLOGY

The tables and charts in this document depict area sizes in ASF unless GSF is specifically noted. ASF includes only the usable area of a given space. Spaces, e.g. lobbies, building corridors (excluding internal circulation within suites) and other public and support spaces such as mechanical rooms, rest rooms and stairs are included in NASF. The building GSF is the sum of ASF and NASF.

INTERNAL CIRCULATION

In addition to vertical penetrations, lobbies and mechanical rooms, the net-to-gross factor for the building includes space for primary building corridors which provide access to the major spaces in the facility. This space allocation does not include space for hallways or semi-public reception spaces affiliated with office suites as the suites themselves are accessed from building corridors, while individual offices and other spaces within the suite are accessed from internal circulation areas.

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SIGN-OFFS

SIGN-OFFS

ART COMPLEX

Sam Houston State University – Huntsville, TX

RECOMMENDED FOR APPROVAL

5-4-16

Michael Henderson
Chair and Associate Professor, Department of Art

Date

5-4-16

Ronald Shields
Dean, College of Fine Arts and Mass Communication

Date

for Denise Neu 5/3/16

Denise Neu
Director of Facilities Planning and Construction,
Facilities Management

Date

Douglas J Greening 5-3-16

Douglas Greening
Associate Vice President of Facilities Management

Date

5-5-16

Carlos Hernandez — Date

Vice President, Office of Finance and Operations

5-4-16

Jaimie Hebert — Date

Provost and Vice President of Academic Affairs

Dana Hoyt — Date

President

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

Sam Houston State University is planning to design and construct a new Art Complex. This new, multi-disciplinary Art Complex will replace a series of temporary metal-shed buildings with a facility that reflects the University's high quality art program. The new Art Complex will be constructed on the eastern portion of the campus, creating an *arts* district with the adjacent buildings. The building is sited to create a variety of outdoor spaces for instruction, casual gathering, and art installations.

The new Art Complex allots approximately three-fourths of assignable square footage to studios and direct instructional spaces for drawing, painting, printmaking, ceramics, sculpture, digital media, graphic design, animation, photography, art history, art education, and WASH (workshop in art studio and history). Additional academic support is provided through galleries, a multipurpose room—available for classes, lectures, symposia, and large events—as well as faculty offices and a director's suite. These spaces will provide integrated and collaborative spaces for art instruction and accommodate future growth for the recently accredited program.

As currently programmed, the building totals approximately 71,000 gross square feet (GSF), which translates to approximately 43,500 assignable square feet (ASF) at a 62.5% efficiency factor.

PROJECT BUDGET

The preliminary Total Project Cost (TPC) is estimated at approximately $37 million. A detailed programming cost estimate is presented in the Appendix and the Construction Cost to TPC breakdown can be found in the Project Cost chapter.

PROJECT SCHEDULE

The project schedule is established to allow the building to open in January 2019. Expected time frames for the project are as follows:

- Architect Selection ..... 3 months
- Design ..... 10 months
- Construction..... 15 months
- Move-In/Commissioning ..... 2 months
- Occupancy ..... Spring Semester 2019

VISION AND GOALS 3

VISION AND GOALS

THE VISION AND GOALS CHAPTER INCLUDES A SUMmary of the project objectives for the new *Art Complex* at Sam Houston State University. Obtained during collaborative workshops during the programming process, the building committee established the specific goals and objectives to guide the project. The chapter is organized as follows:

- University Mission and Goals Statement
- Project Goals and Objectives

UNIVERSITY MISSION

Sam Houston State University is an inclusive institution whose mission is to provide high quality education, scholarship, and service to qualified students for the benefit of regional, state, national and international constituencies.

UNIVERSITY GOALS

- Foster a lifelong learning environment in support of a diverse faculty and staff who are excellent scholars, educators, and professionals.
- Promote a stimulating learning environment through the integration of academic settings, campus culture and service.
- Increase and develop university resources and infrastructures that support the intellectual transformation of students.
- Enhance marketing outreach and visibility to include academic and scholarly activities through consistent and integrated messaging while optimizing communication channels.

- Promote efficient data driven decision making through the integration of centralized data analysis, review, and dissemination.
- Cultivate a continually sensitive and proactive response to the ever-changing needs of our constituents.

PROJECT GOALS AND OBJECTIVES

During the information gathering process, the building committee established specific project goals and objectives to help guide the programming process for the new Art Complex.

- Support the department's curriculum and recent accreditation with the National Association of Schools of Art and Design (NASAD)
- Be forward thinking
- Emphasize immersion and experiential learning
- Highlight the signature WASH (Workshop in Art, Studio, and History) program
- Accommodate growing disciplines such as Animation and Graphic Design
- Create a space that reflects the art department's high quality program—the work, the instruction, the faculty, and the students
- Create a building that facilitates faculty and student recruitment with "spaces they are proud to show off"
- *Art for Art's sake*
- Embrace transparency—"we should not be hiding the creation of art"
- Create an interactive and comprehensive program on one campus
- Cross boundaries and encourage collaboration
- Develop synergies across the entire college, not just across departments
- Interdisciplinary
- Create a building that supports the instructional method and reflects the essence of the discipline
- Didactic space
- Open, creative, and open to creativity
- Outside the box
- Integrate spaces where people can come together
- Include informal exhibition and critique space
- Integrate public spaces and circulation with activity areas
- Leverage public spaces to carry out programmatic functions
- Create a multifaceted interior environment that has a factory feel/industrial aesthetic with *raw* space, but also high contemporary design
- Flexible and durable
- Reinforce faculty and department culture of *flexing* space

- Facilitate the ability to constantly transform the building spaces
- Natural light
- Integrate indoor and outdoor spaces by overlapping boundaries
- Courtyards
- External circulation

PROGRAMMING CONCEPTS

The following visuals are used simply to illustrate key programming concepts to create simple, yet ambitious spaces for the Art Complex at Sam Houston State University. The final design should consider spatial opportunities to blur inside/outside space, to make use of connector spaces such as circulation, to provide durability and ease of maintenance with the use of raw materials, and to balance art-making spaces with art display spaces.

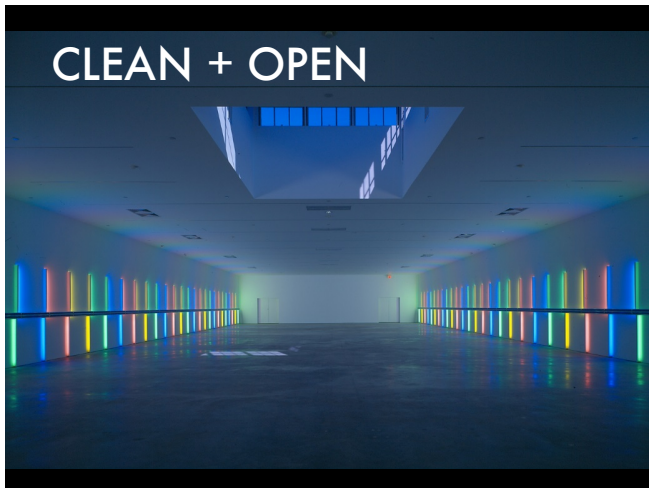
MOS Architects | Krabbesholm – Art, Architecture and Design School, Denmark

Diller Scofidio + Renfro | McMurtry Building for Art and Art History, Stanford University, CA

Rogers Partners | Pratt Institute, Brooklyn, NY

Gow Hastings Architects | Paul H. Cocker Art Gallery, Ryerson University, Toronto, Canada

STUDIOS *Architecture* | UT *Dallas School Of Art, Dallas,* TX



Dan Flavin | Richmond Hall, The Menil Collection, Houston, TX

4 SITE CONTEXT AND INFRASTRUCTURE

SITE CONTEXT AND INFRASTRUCTURE

SITE CONTEXT PRESENTS A BRIEF ANALYSIS of the proposed site for the project. It addresses many of the factors acting upon the site that may have an impact on the design and construction of the Art Complex as well as how the project follows the campus master plan. Also included in this chapter are preliminary site plan concept diagrams to illustrate how the project elements can work on the site. The chapter is organized as follows:

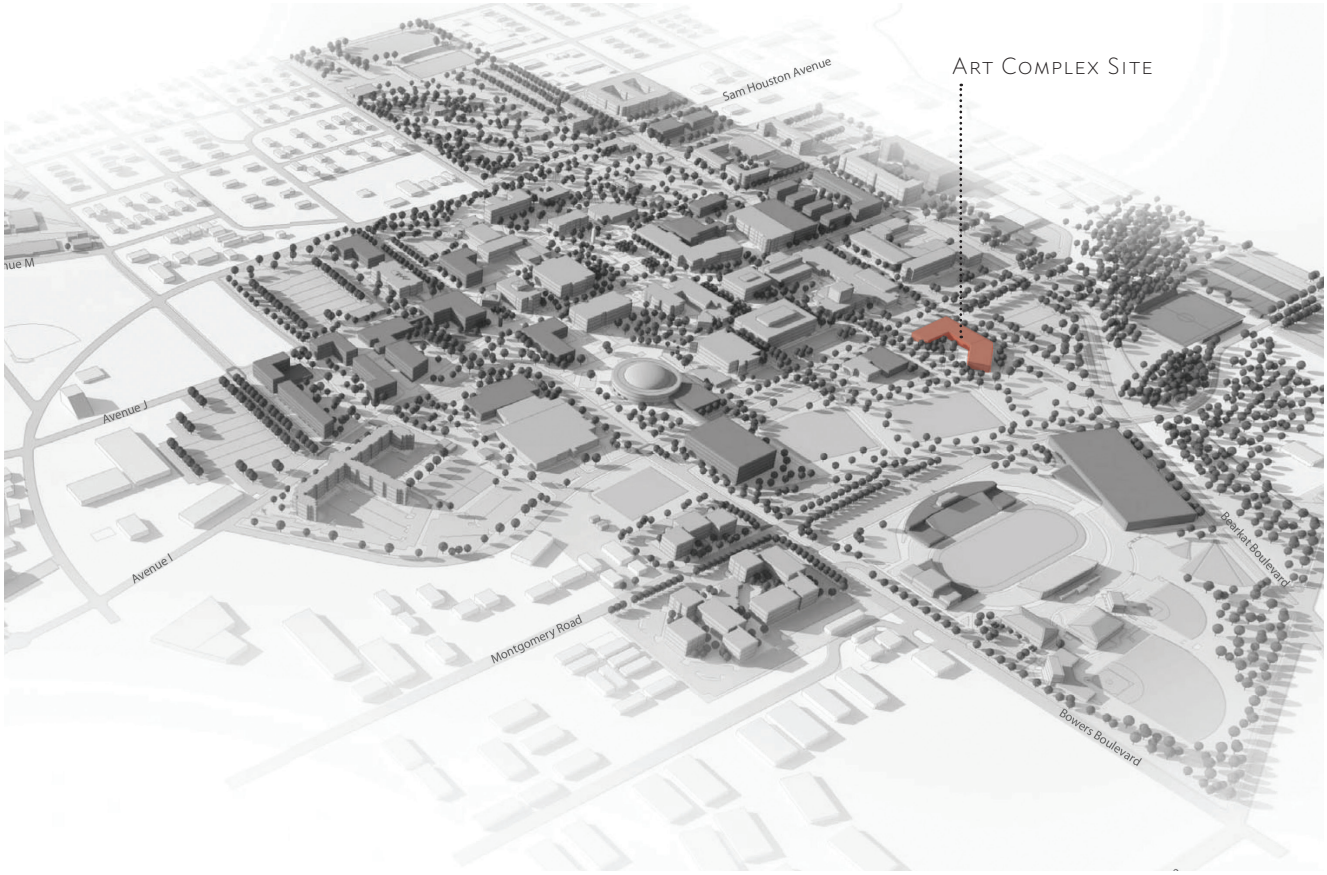
- Compliance with the Campus Master Plan
- Site Overview
- Campus Context
- Programming Site Concepts
- Site Infrastructure

Note: The existing site information presented in this chapter represents the most current data which was available at the time of the publication of this document; the design team should verify the location, condition, and capacity of utilities during the design and construction phases of the project.

COMPLIANCE WITH THE MASTER PLAN

The following text is an excerpt from the 2012 Campus Master Plan Update:

> *The 2008-2020 Campus Master Plan for Sam Houston State University was approved by the Board of Regents in August 2008. Since that time, the University's building program has been on course; however, new enrollment and academic trends began emerging shortly after the adoption of the 2008 Campus Master Plan. In 2011, a Strategic Plan was designed and implemented by the University's new administrative team. Several key factors impacting the assumptions underlying the 2008 Campus Master Plan surfaced, such as the growth of online and transfer students, the need for innovative academic and research partnerships, and changing housing, student life and demographic trends.*



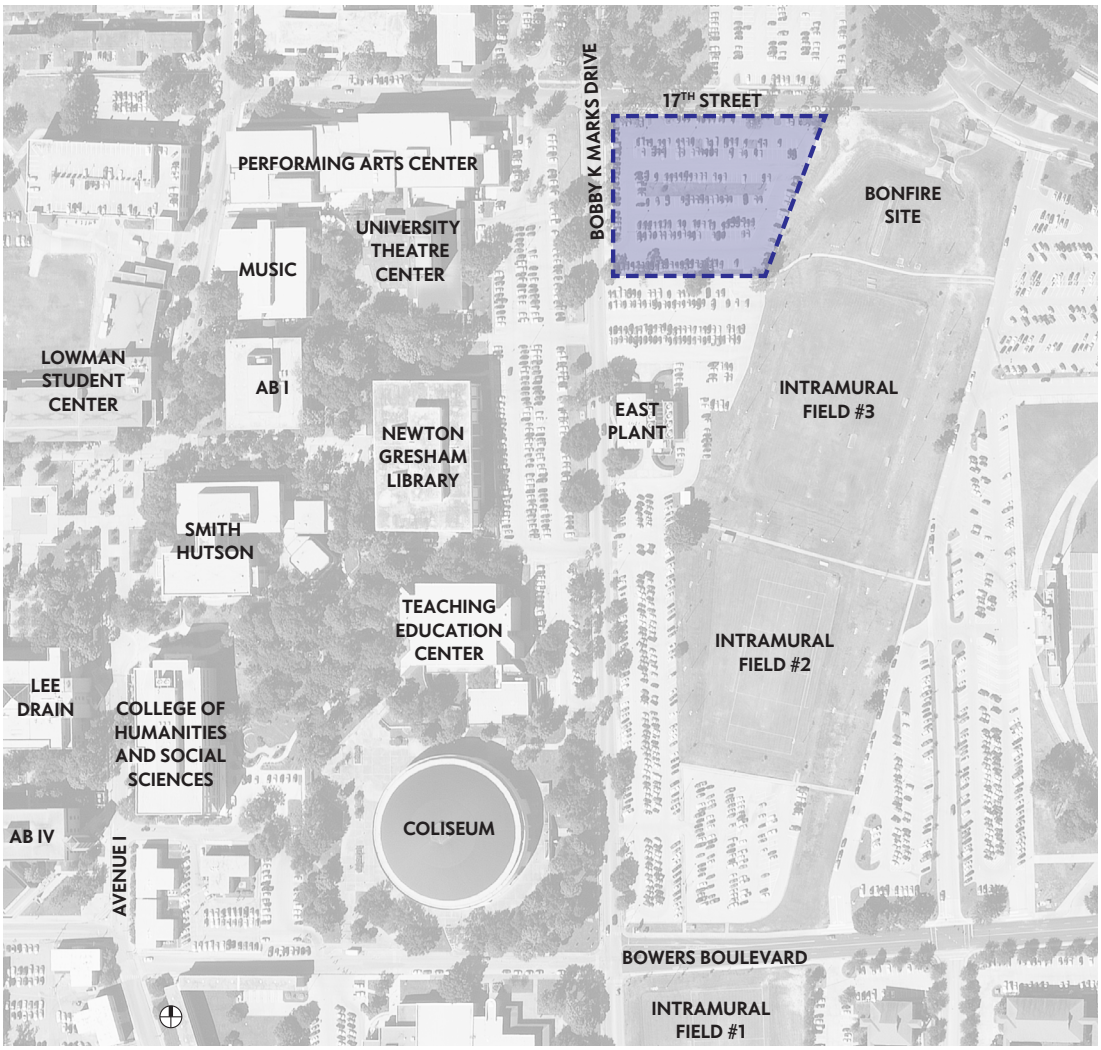
One of the primary goals of the 2012 Campus Master Plan Update is the completion of the *East District* of campus. This district is planned to house event-driven facilities that engage with the outside community. The main building project for this district is the relocation of a new arts facility to create a strong arts district. This new-found proximity to Gaertner Performing Arts Center, the University Theatre Center, and the College of Music, will create new opportunities for interdisciplinary collaboration across the College of Fine Arts and Mass Communications. The master plan envisions the incorporation of an exterior sculpture garden and gallery to act as a gateway into the new Art Complex. The programming phase for the new Art Complex locates the new facility in the same site as identified in the 2012 Campus Master Plan Update.

SITE OVERVIEW

The site for the new Art Complex is located on the southern side of 17th street, bounded by Bobby K. Marks Drive to the west and by the Bonfire Site to the east. A small parking lot is located directly south of the chosen site. This small parking lot will act as a buffer between the new Art Complex and the East Plant. The building massing for the new Art Complex should be distributed across the site in order to create several outdoor spaces while still allowing adequate open space to allow for a future addition, if required.

CAMPUS CONTEXT

The site for the new Art Complex is on the eastern portion of campus and will replace an existing surface parking lot. This area of campus is a combination of academic buildings primarily to the west, parking, and intramural playing fields to the east. The new Art Complex will create a *Fine Arts District* with its close proximity to the Gaertner Performing Arts Center, the University Theatre Centre, and the College of Music building. To the west, the intramural playing fields function as both athletic and recreation fields and as a floodplain. As such, the new Art Complex will have an unobstructed view of the dramatic topography, green space, and Bowers Stadium. Student access will flow primarily from the Academic Quad and require a connection to the new Art Complex. As a calming device for traffic flow, Bobby K. Marks Drive will become a one-way road traveling north to south with angled metered parking on the east side of the roadway.



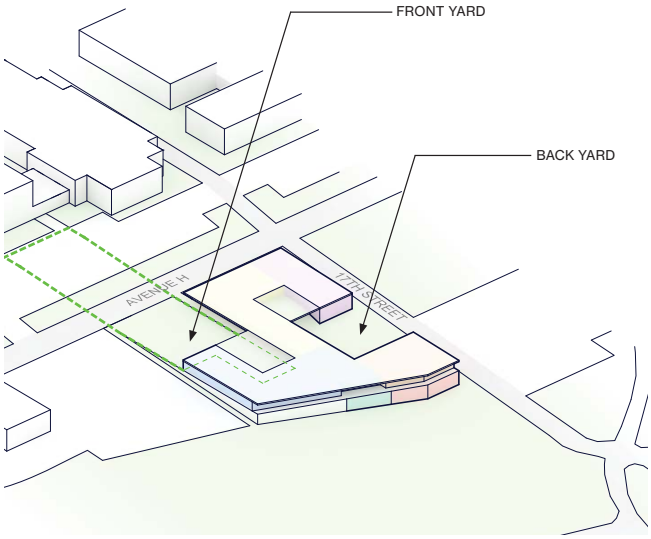
PROGRAMMING SITE CONCEPTS

Throughout the programming process, critical site concepts were identified and discussed. These concepts are summarized below:

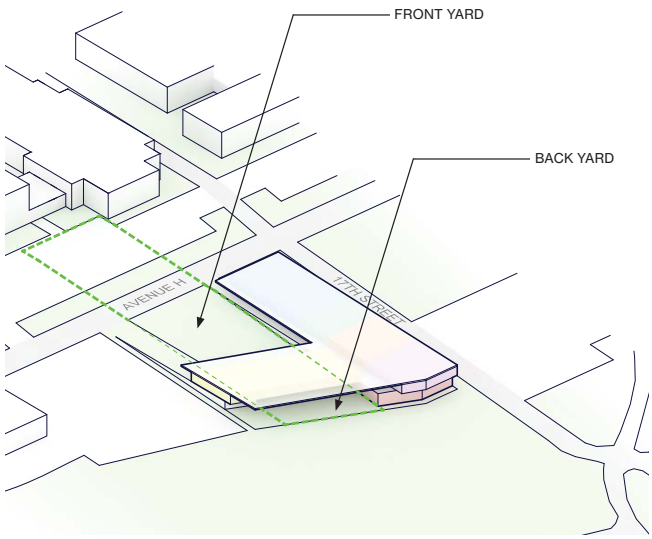
- Create a connection to main campus
- Importance of outdoor space
- Site topography is an opportunity
- Porosity
- Maintain an *echo* of the existing buildings

CREATE A CONNECTION TO MAIN CAMPUS

Throughout the programming process, the importance of the site and how it relates to the main campus has been a point of critical discussion. It is envisioned that the southwestern corner of the site, facing Bobby K. Marks Drive, will become a critical transition and connection point for students from the main academic quad.



Program Massing: Option 1



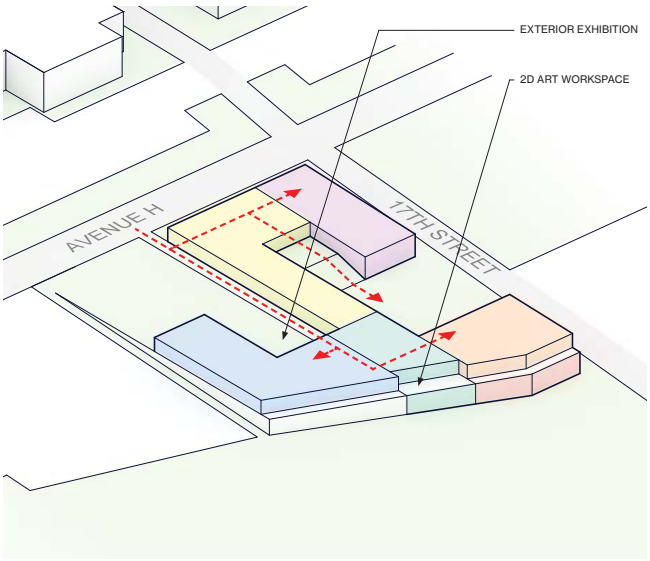
Program Massing: Option 2

IMPORTANCE OF OUTDOOR SPACE

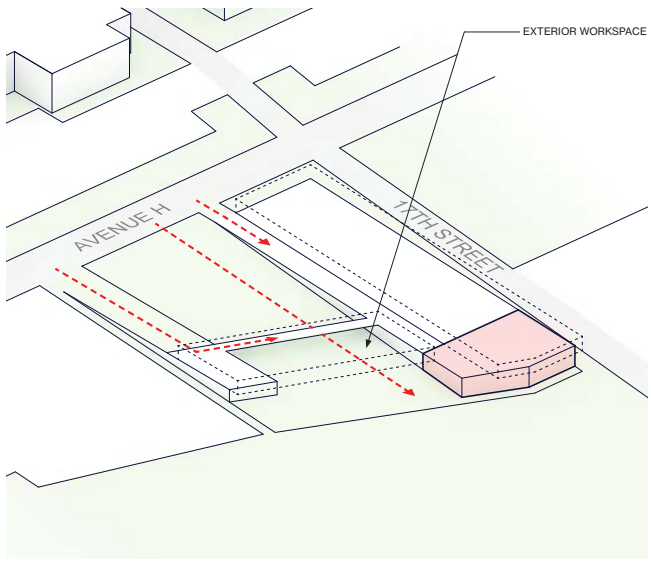
For the new Art Complex, outdoor space will become of critical importance. Programmatically, outdoor space is critical to many, basic instructional functions. Additionally, it presents an incredible opportunity to create transition spaces, moments for casual social interaction, outdoor display of art, pre-function space for gallery events, and collaboration spaces. The outdoor spaces should be of a varied nature to create differentiation in both scale and proportion, *clean* and *dirty* programmatic uses, and the interaction of art exhibition, art production, and social spaces.

SITE TOPOGRAPHY IS AN OPPORTUNITY

The site for the new Art Complex has a significant downward slope toward the Intramural Playing Fields to the east. The level change on the site is viewed as an opportunity to create external circulation, multi-height volumes of space, and occasion to create overlooks or *porches*. The landscape should become a feature to make the new Art Complex a dynamic and exciting environment.



Program Massing: Option 1



Program Massing: Option 2

POROSITY

Both the program and site afford the opportunity to integrate both visual and physical porosity. Special attention should be given to the nature of interaction and flow between interior and exterior spaces. The degree to which outdoor spaces are physically or visually integrated with the interior spaces presents a unique design opportunity.

MAINTAIN AN *ECHO* OF THE EXISTING BUILDINGS

The existing cluster of art buildings function not unlike a *mini* campus. There is a strong desire to capture this quality in the new building volume as it creates emphasis on the distinction of different art disciplines, while presenting a unified Department of Fine Arts.

SITE INFRASTRUCTURE

This section is a summary description of the proposed site and existing utilities that may potentially serve the new Art Complex at Sam Houston State University. Utility availability and access were discussed with the Facilities Management group during the programming process and the findings are recorded below. The A/E team should further coordinate with the Facilities Management group for updated information regarding site infrastructure, utilities, and requirements during design.

SITE CONDITIONS

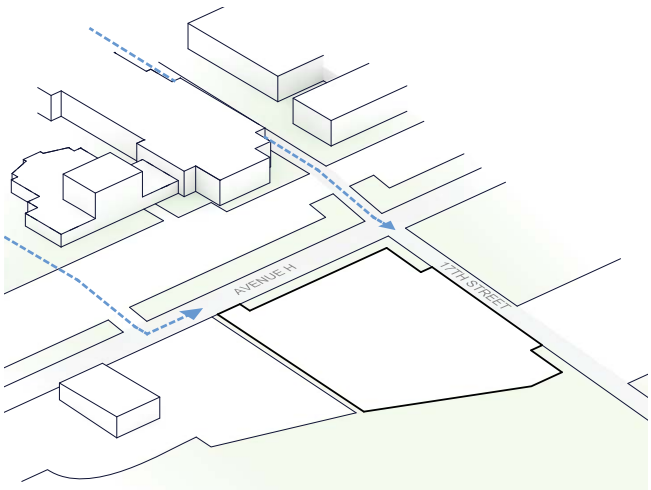
The site for the new Art Complex was originally the location for the Colonnade Apartments. In the mid-1970s, the Intramural Fields were originally a stock tank or pond. Some additional site fill or removal of general debris may be required from previous land use as residential or agricultural. The parking lot will be demolished as part of the new Art Complex project.

CAMPUS DESIGN GUIDELINES

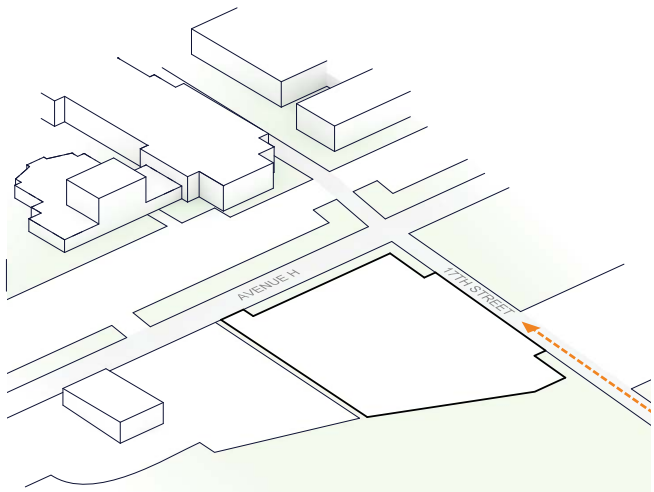
While formal design guidelines for the campus do not exist, there is a strong desire to create a Fine Arts District. Exterior building materials should remain sensitive to the local context, using a combination of metal, wood, brick, and glass.

PEDESTRIAN AND VEHICULAR CONNECTIONS

The pedestrian connection at grade should be included at the southwest corner of the site. This connection should enhance the natural pedestrian pathway from the Academic Quad to the new Art Complex site through change in paver or similar calming device, to designate the approach to building.



Pedestrian Access



Delivery/Vehicular Approach

PARKING REQUIREMENTS

Additional parking will not be built as part of the new facility. Parking requirements will be met through the use of existing parking lots to the north, west, and south of the site with ADA access and designation of existing parking spaces. Visitor parking for the Art Gallery will be accommodated through new, metered parking along Bobby K. Marks Drive.

STORM WATER DETENTION/WATER RETENTION

There is a net zero change in storm water detention/retention from the existing site usage as a parking lot to the new Art Complex. It is noted that underground retention may exist below the parking lot. Exemption status for water retention should be investigated with regard to the campus as whole. Drainage will continue to be directed toward the existing swale to the east of the site. The A/E team should investigate this requirement with the campus facilities management office during design.

SANITARY SEWER

The existing main sanitary sewer line runs along the eastern portion of site. While it is understood to have adequate capacity, the A/E team should confirm capacity with the campus facilities management office during design.

DOMESTIC WATER

Domestic water from the city exists and is available on Bobby K. Marks Drive. While the current assumption is that water pressure is adequate, the A/E team should coordinate with the campus facilities management office during design.

NATURAL GAS

An existing natural gas line runs parallel to Bobby K. Marks Drive and is available for use for the new Art Complex.

CHILLER/CENTRAL PLANT AND CHILLED WATER DISTRIBUTION CAPACITY

A fully funded, companion project will increase chiller capacity and expand the central plant. This infrastructure project along Bobby K. Marks Drive is expected to be completed for use by the new Art Complex.

ELECTRICAL SERVICE

A fully funded, companion project will increase electrical service. This infrastructure project along Bobby K. Marks Drive is expected to be completed for use by the new Art Complex.

EMERGENCY GENERATOR

A small natural gas emergency generator and fire pump will be included in the project cost and sized for MDF/IDF rooms and general life safety services.

IT/FIBER

A fully funded, companion project will increase fiber conduit along Bobby K. Marks Drive and expected to be completed for use by the new Art Complex. Coordination with the campus IT group will be required for the necessary fiber.

WIFI

All interior and exterior spaces should be WiFi enabled as part of the project.

SECURITY/CAMERAS

Both the infrastructure and cameras should be provided at main entrances only.

CARD ACCESS

Card access should be provided at all exterior doors and ADA entrances. Card access should also be expanded to specialized equipment areas and the WASH studio to accommodate after-hours work and student workers.

5 SPACE AND ADJACENCY REQUIREMENTS

SPACE AND ADJACENCY REQUIREMENTS

SPACE AND ADJACENCY REQUIREMENTS outlines all of the space, technical, and relationship aspects of the program. This chapter describes the space requirements for the new *Art Complex* in physical terms. The information in this chapter will serve as a checklist for the design team as they design and lay out the new building. The chapter is organized into the following sections:

- An overview of the project
- The project summary space list
- Detailed room-by-room requirements for each room type in the program, including size and quantity, adjacency requirements, technical requirements, finishes and illumination, furnishings, fixtures, equipment lists, and test fits when necessary

NATURAL LIGHT AND EXTERIOR VIEWS

The building configuration should allow natural light to penetrate public areas (e.g. entry lobby, gathering areas, etc.). Office spaces should also be allowed to receive natural light unless otherwise noted. In areas where room darkening capabilities are called for, it is preferred that the darkening mechanism be controlled electronically by the instructor.

ARTIFICIAL LIGHT

All exterior covered areas should be provided with general outdoor lighting suitable to the activity. Primary interior lighting sources should consist primarily of energy-efficient fluorescent or LED lighting and dimmable fluorescent or LED downlights where appropriate. The users have expressed a strong preference for an industrial aesthetic throughout and desire that spaces be open to structure whenever possible.

TEST FITS, ADJACENCY DIAGRAMS, AND IMAGERY

All diagrams and test fit drawings presented in this chapter are programmatic in nature and solely intended to illustrate that the programmed square footage will allow the space to function appropriately. The adjacency diagrams provide a graphic representation of the preferred affinities and/or sequencing between spaces within the building. None of these diagrams are intended to dictate the design of the facility nor stunt the creativity of the design team.

PROJECT SUMMARY

ART COMPLEX	SQUARE FEET	PAGE
Building Entry/Commons	2,700	*5-5*
Gallery Space	2,640	*5-15*
Instructional Spaces/Resources	4,880	*5-21*
Studios	26,912	*5-29*
Director's Suite	1,196	*5-95*
Academic Offices	4,800	*5-103*
Building Support	300	*5-107*
TOTAL ASF	**43,428**	
TOTAL GSF (62.5% NET/GROSS)	**69,485**	
COVERED EXTERIOR SPACES	**3,000**	*5-111*
(REPORTED AT 50%)	**1,500**	
TOTAL GSF (REPORTED)	**70,985**	

PROJECT OVERVIEW AND BUILDING DESCRIPTION

The new Art Complex at Sam Houston State University is proposed as fine arts facility of approximately 71,000 GSF. Relocating the Art Complex to the eastern side of campus will create a strong arts district for the College of Fine Arts and Mass Communications. The new facility will allow the University to showcase their recently accredited arts program and accommodate future growth. The new Art Complex allots approximately three quarters of the assignable square footage to studios and direct instructional spaces. Additional academic support is provided through galleries, a multipurpose room—available for classes, lectures, symposia, and large events—as well as faculty offices and a director's suite.

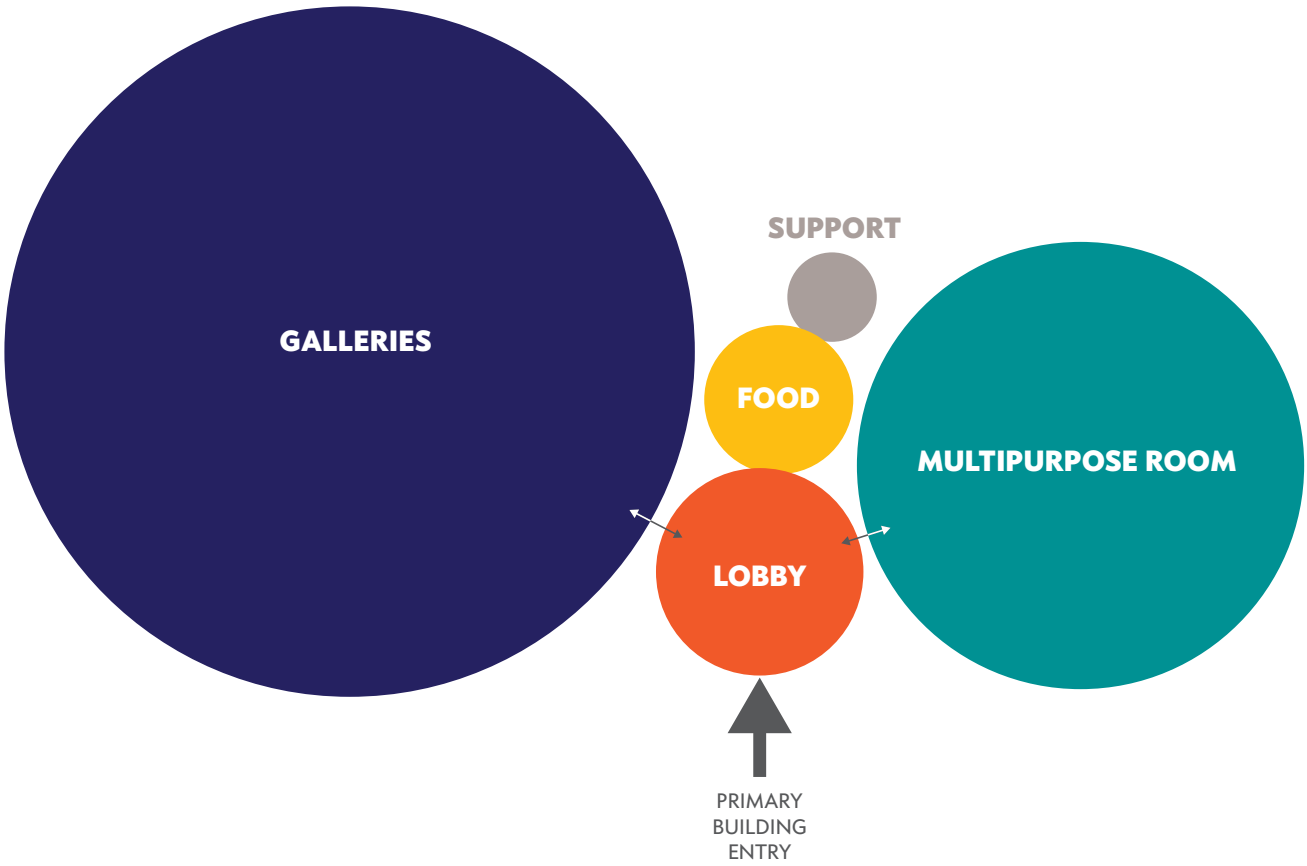
MATCH | *Midtown Arts and Theater Center Houston, Houston,* TX

BUILDING ENTRY/COMMONS

The Building Entry/Commons area presents the public face of Sam Houston State University to students, faculty, and the art community. This sequence of spaces includes the lobby, a snack/refreshment kiosk, a student kitchen, and an allotment for distributed gathering and commons. The building entry sequence is intended to showcase the high quality and innovative work produced by the art department at the University.

In addition to receiving visitors, the lobby will also serve as a pre-function space for large shows hosted in the gallery spaces. The snack/refreshment kiosk will allow students, faculty, and building visitors the opportunity to purchase convenient food and drink options. Placed adjacent to a distributed gathering space and the lobby, this area provides opportunities for casual social interaction amongst student and faculty. The distributed gathering/commons is square footage allocated for student gathering throughout the building. These spaces will be alcoves or soft seating along the hallways to allow students to collaborate, study, and/or wait between classes. The distributed gathering/commons will have a dual function as it is also intended for use as art display and ad-hoc critique nooks.

BUILDING ENTRY/COMMONS	QUANTITY/SIZE OF SPACE(S)	ASF
Lobby	1 @ 500 ASF	500
Snack/Refreshment Kiosk	1 @ 200 ASF	200
Food Storage	1 @ 50 ASF	50
Student Kitchen/Catering Staging	1 @ 200 ASF	200
Student Organizations	1 @ 200 ASF	200
Distributed Gathering/Commons/ Art Display/Critique Nooks	1 @ 1,200 ASF	1,200
Student Lockers	350 @ 1 ASF	350
TOTAL BUILDING ENTRY/COMMONS		**2,700**



MATCH | *Midtown Arts and Theater Center Houston, Houston,* TX

SPACE NAME

Building Entry/Commons
Lobby

ROOM FUNCTION

This space serves as both an entry area and common gathering space. This space is supplemental to NASF that will be allocated as part of the circulation space and may have a larger footprint in the final design. This additional square footage allotment will allow the architect to provide a more generous and functional space. This area will also serve as a pre-function space prior to events being held in the galleries and/or the multipurpose space.

SPATIAL CHARACTERISTICS

ROOM SIZE	500 ASF
OCCUPANTS	Varies
WALL FINISH	Painted GWB + ¾" plywood backing[1]
FLOOR FINISH	Terrazzo or polished concrete[2]
CEILING FINISH	Painted GWB[2]
DOOR SIZE	Minimum 72 in. wide[3]
EXTERIOR ACCESS	Yes
NATURAL LIGHT	Required

ELECTRICAL/IT

POWER	Standard 120-volt[4]
DATA	WiFi access and ethernet ports[4]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Flat panel display(s)/sound system[5]
SECURITY	Card key access/cameras[6]
LIGHTING	Fluorescent/LED[7]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Movable exhibition panels ..... OFOI
Lounge seating ..... OFOI
Flat panel display(s) ..... OFOI
Side table(s) ..... OFOI

NOTES

1. GWB walls should be backed with ¾" plywood to allow hanging heavy art pieces and various art installations
2. Finishes in this space should be appropriate to the nature of the design and reflect the mission of the facility; each of the finishes should be upgraded if the budget allows
3. Verify per code via occupancy and egress requirements
4. Provide electrical outlets and ethernet ports along the walls (to support the installation of flat panel displays) and in the floor at appropriate locations; provide electrical outlets at regular intervals along the perimeter walls for convenience
5. Provide A/V connections and coaxial cabling (or similar based upon service provider requirements) to the flat panel display(s) as required
6. Provide infrastructure for installation of future closed-circuit cameras
7. Provide a mixture of general fluorescent/LED and indirect lighting fixtures as required; consider zoned lighting to provide multiple lighting level options

SPACE NAME

Building Entry/Commons
Snack/Refreshment Kiosk

ROOM FUNCTION

A small kiosk for snacks/refreshments placed adjacent to the lobby

SPATIAL CHARACTERISTICS

ROOM SIZE	200 ASF
OCCUPANTS	Varies
WALL FINISH	Design dependent[1]
FLOOR FINISH	Design dependent[1]
CEILING FINISH	Design dependent[1]
DOOR SIZE	-
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[2,3,4]
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	Design dependent
SECURITY	Design dependent
LIGHTING	Design dependent

HVAC & PLUMBING

VENTING	-
WATER	Hot and cold water[3,4]
FLOOR DRAIN	Yes

FURNISHINGS, FIXTURES, & EQUIPMENT

All FF&E is to be provided by the contract vendor; therefore, it will not be included in the base building or University furniture package(s)

NOTES

It is assumed that food service in the building will be provided by a contract vendor. All final determination of design, equipment, and specifications should be collaboratively developed by the design team, vendor, and the University, and are subject to contract negotiations.

1. Design dependent; interior finishes should be waterproof, washable, and easily maintainable; design and finishes to be coordinated with food service consultant
2. Convenience GFCI outlets should be placed at regular intervals on the perimeter walls in compliance with all codes; provide 120-volt and 208-volt electrical service; verify power requirements with food service consultant
3. There may be freestanding beverage stations and/or cooler cases that will require floor (or ceiling) power and water/plumbing access
4. Include appropriate chases to run power, water, and other piping as needed
5. Design MEP to allow for future reconfiguration and replacement of equipment
6. Building is to provide a *white box* with appropriate services; the build-out, furnishings, and equipment will be the responsibility of the contract vendor

SPACE NAME

Building Entry/Commons
Food Storage

ROOM FUNCTION

Small food storage area adjacent to the snack/ refreshment kiosk

SPATIAL CHARACTERISTICS

ROOM SIZE	50 ASF
OCCUPANTS	-
WALL FINISH	Design dependent[1]
FLOOR FINISH	Design dependent[1]
CEILING FINISH	Design dependent[1]
DOOR SIZE	-
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt convenience outlets
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	-
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

All FF&E is to be provided by the contract vendor; therefore, it will not be included in the base building or University furniture package(s)

NOTES

It is assumed that food service in the building will be provided by a contract vendor. All final determination of design, equipment, and specifications should be collaboratively developed by the design team, vendor, and the University, and are subject to contract negotiations.

1 Design dependent; design and finishes to be coordinated with food service consultant

SPACE NAME

Building Entry/Commons
Student Kitchen/Catering Staging

ROOM FUNCTION

Small break room area for students and staging area for catering

SPATIAL CHARACTERISTICS

ROOM SIZE	200 ASF
OCCUPANTS	Varies
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	36 in. wide (minimum)
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet[1]
TELEPHONE	Voice over IP[1]
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[2]
LIGHTING	Non-glare fluorescent/LED[3]

HVAC & PLUMBING

VENTING	-
WATER	Hot and cold water at sink
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Built-in base cabinets with a counter, a sink, and upper cabinets ..... CFCI
Tables and chairs (as required) ..... OFOI
Coffee maker ..... OFOI
Microwave ..... OFOI
Refrigerator ..... OFOI

NOTES

1 Provide convenience GFCI electrical outlets and ethernet ports along the perimeter walls and along counter tops paying special attention to possible locations for small kitchen equipment; provide a dedicated electrical circuit for the refirgerator
2 Room requires visual access from circulation via a window, side lite, or a lite in the door
3 Provide non-glare, direct/indirect lighting; utilize task lighting as required

SPACE NAME

Building Entry/Commons
Student Organizations

ROOM FUNCTION

Small work/collaboration/storage area for student organizations

SPATIAL CHARACTERISTICS

ROOM SIZE	200 ASF
OCCUPANTS	Up to 8
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	36" wide (minimum)
EXTERIOR ACCESS	-
NATURAL LIGHT	Required

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet[1]
TELEPHONE	Voice over IP[1]
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[2]
LIGHTING	Non-glare fluorescent/LED[3]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Dry erase board/wallcovering (as required) ..... CFCI
Tables and chairs (as required) ..... OFOI
Flat panel display..... OFOI
Tall storage cabinets (as required)..... OFOI

NOTES

1 Provide a floor box with power and ethernet ports in the center of the room; provide a wall box with power, ethernet, and A/V wiring as required to support a wall-mounted flat panel display
2 Room requires visual access from circulation via a window, side lite, or a lite in the door
3 Provide non-glare fluorescent lighting; utilize direct/indirect and task lighting

SPACE NAME

Building Entry/Commons
Distributed Gathering/Commons/Art Display/ Critique Nooks

ROOM FUNCTION

This space provides informal meeting areas for students, as well as an area to wait between classes, study, art diplays, and formal/informal jury critiques. The space should be distributed throughout the building and include a variety of seating with the capability of accommodating between two and eight individuals.

SPATIAL CHARACTERISTICS

ROOM SIZE	1,200 ASF
OCCUPANTS	2 to 8 (per area)
WALL FINISH	Painted GWB + ¾" plywood backing[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	-
EXTERIOR ACCESS	No
NATURAL LIGHT	Preferred

ELECTRICAL/IT

POWER	Standard 120-volt[2]
DATA	WiFi access and ethernet ports[2]
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	-
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Lounge seating (as required)..... OFOI
Tables and chairs (as required) ..... OFOI

NOTES

1 GWB walls should be backed with ¾" plywood to allow hanging heavy art pieces and various art installations; provide designated critique wall consisting of magnetic metal panels (as required)
2 Provide area with power strip for electronic device charging; convenience duplex power outlets and ethernet ports shall be provided along the perimeter walls at regular intervals; when locating outlets, pay special attention to the location of equipment and furniture
3 A variety of seating configurations is recommended to allow students to have options to suit their study habits; final seating configuration/layout will be dependent on the building design and later discussions with SHSU
4 Spaces should be located adjacent to and accessible from public corridors; to prevent disruption of instruction related to noise transference from this space, it is recommended that this space type not be located directly adjacent to classrooms

SPACE NAME

Building Entry/Commons
Student Lockers (350)

ROOM FUNCTION

Lockers for student use

SPATIAL CHARACTERISTICS

ROOM SIZE	1 ASF each[1]
OCCUPANTS	-
WALL FINISH	Design dependent
FLOOR FINISH	Design dependent
CEILING FINISH	Design dependent
DOOR SIZE	-
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	-
DATA	-
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	-
LIGHTING	-

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Lockers (24" H X 12" W X 30" D) ..... CFCI

NOTES

1 Space allocation assumes lockers are located along building corridors and *stacked* 2 or 3 lockers high.

MATCH | *Midtown Arts and Theater Center Houston, Houston,* TX

GALLERY SPACE

The new Art Complex includes square footage to support the art department's gallery program through the use of two galleries, exhibition staging, and two coordinator offices. The large gallery will host department faculty shows, juried student exhibitions, the graduating senior show, the MFA thesis show, and the work of established artists and curators. This gallery will include an alcove for media and video display. The smaller gallery is dedicated for student work. The gallery spaces should be located adjacent to the lobby and highly visible to outside visitors. Design should consider locating both galleries so that the two galleries can be opened into each other to create one large gallery space. Additionally, the galleries will require a small reception desk for a *gallery sitter* during open hours. The exhibition staging space is included to facilitate changing out art shows. It will be a *dirty* room with tools, supplies, extra movable panels, and art storage. This space is ideally located adjacent to the receiving area and the galleries. The coordinator and assistant coordinator offices should be located proximity to the galleries.

GALLERY SPACE	QUANTITY/SIZE OF SPACE(S)	ASF
Large Gallery	1 @ 1,500 ASF	1,500
Small Gallery	1 @ 500 ASF	500
Coordinator Office	1 @ 120 ASF	120
Assistant Coordinator Office	1 @ 120 ASF	120
Exhibition Staging	1 @ 400 ASF	400
TOTAL GALLERY SPACE		**2,640**

SPACE NAME

Gallery Space
Large Gallery

ROOM FUNCTION

A large gallery space to showcase student, faculty, alumni, and guest artists' work. It should be located to encourage drop-in visits from building visitors as well as host shows and openings. A small alcove (approximately 150 ASF) will be provided for media/video displays.

SPATIAL CHARACTERISTICS

ROOM SIZE	1,500 ASF
OCCUPANTS	Varies
WALL FINISH	Painted GWB + ¾" plywood backing[1]
FLOOR FINISH	Terrazzo or polished concrete
CEILING FINISH	Painted GWB or open to structure[2]
DOOR SIZE	Minimum 72 in. (two 36 in. doors)
EXTERIOR ACCESS	No
NATURAL LIGHT	No

ELECTRICAL/IT

POWER	Standard 120-volt[3]
DATA	WiFi access and ethernet ports[3]
TELEPHONE	-
AUDIO/VISUAL	Sound system[4]
SECURITY	-
LIGHTING	Gallery lighting[5]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Sound system..... CFCI
Data projectors (as required) ..... OFOI
Movable gallery partitions (as required)..... OFOI
Cases/pedestals (as required)..... OFOI
Reception station for gallery attendant..... OFOI

NOTES

1. GWB walls should be backed with ¾" plywood to allow hanging heavy art pieces
2. Provide an integrated lighting grid/track lighting and electrical/data service system
3. Floor outlets may be required to serve cases, pedestals, and/or movable partitions; power and data outlets in overhead track lighting system to support projection technology; convenience duplex power outlets and ethernet ports shall be provided along the perimeter walls at regular intervals; when locating outlets, pay special attention to the location of exhibition devices, cases, etc.
4. Provide appropriate wiring for a sound system to allow for announcements and presentations
5. Lighting will require a mixture of spots and movable/track lighting to accommodate different exhibits and setups; multiple tracks should be provided to allow for maximum flexibility
6. Space should be free of interior columns or other building system obstructions

SPACE NAME

Gallery Space
Small Gallery

ROOM FUNCTION

A small gallery space to showcase student, faculty, alumni, and guest artists' work.

SPATIAL CHARACTERISTICS

ROOM SIZE	500 ASF
OCCUPANTS	Varies
WALL FINISH	Painted GWB + ¾" plywood backing[1]
FLOOR FINISH	Terrazzo or polished concrete
CEILING FINISH	Painted GWB or open to structure[2]
DOOR SIZE	Minimum 72 in. (two 36 in. doors)
EXTERIOR ACCESS	No
NATURAL LIGHT	No

ELECTRICAL/IT

POWER	Standard 120-volt[3]
DATA	WiFi access and ethernet ports[3]
TELEPHONE	-
AUDIO/VISUAL	Sound system[4]
SECURITY	-
LIGHTING	Gallery lighting[5]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Sound system..... CFCI
Movable gallery partitions (as required)..... OFOI
Cases/pedestals (as required)..... OFOI

NOTES

1. GWB walls should be backed with ¾" plywood to allow hanging heavy art pieces
2. Provide an integrated lighting grid/track lighting and electrical/data service system
3. Floor outlets may be required to serve cases, pedestals, and/or movable partitions; power and data outlets in overhead track lighting system to support projection technology; convenience duplex power outlets and ethernet ports shall be provided along the perimeter walls at regular intervals; when locating outlets, pay special attention to the location of exhibition devices, cases, etc.
4. Provide appropriate wiring for a sound system to allow for announcements and presentations
5. Lighting will require a mixture of spots and movable/track lighting to accommodate different exhibits and setups; multiple tracks should be provided to allow for maximum flexibility
6. Space should be free of interior columns or other building system obstructions

SPACE NAME

Gallery Space
Coordinator Office
Assistant Coordinator Office

ROOM FUNCTION

Private offices for the Coordinator and Assistant Coordinator for the gallery spaces

SPATIAL CHARACTERISTICS

ROOM SIZE	120 ASF each
OCCUPANTS	1 each
WALL FINISH	Painted GWB
FLOOR FINISH	Carpet tiles
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	36 in. wide (minimum)
EXTERIOR ACCESS	-
NATURAL LIGHT	Required

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet[1]
TELEPHONE	Voice over IP[1]
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[2]
LIGHTING	Non-glare fluorescent/LED[3]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Dry erase board/wallcovering (as required) ..... CFCI
L-shaped desk (1 each; 2 total) ..... OFOI
Task chair (1 each; 2 total) ..... OFOI
Side chairs (2 each; 4 total) ..... OFOI
Lateral file cabinet (1 each; 2 total) ..... OFOI
Computer (1 each; 2 total) ..... OFOI
Desktop printer (1 each; 2 total) ..... OFOI

NOTES

1 Provide an electrical outlet, ethernet port, and telephone outlet on opposite walls to support a computer, a telephone, and a desktop printer
2 Room requires visual access from circulation via a window, side lite, or a lite in the door
3 Provide non-glare, direct/indirect lighting; utilize task lighting as required

SPACE NAME

Gallery Space
Exhibition Staging

ROOM FUNCTION

A storage/staging area for the gallery spaces.

SPATIAL CHARACTERISTICS

ROOM SIZE	400 ASF
OCCUPANTS	-
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	Minimum 72 in. (two 36 in. doors)
EXTERIOR ACCESS	No
NATURAL LIGHT	No

ELECTRICAL/IT

POWER	Standard 120-volt convenience outlets
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	-
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Movable gallery partitions (as required) ..... OFOI
Cases/pedestals (as required) ..... OFOI
Industrial metal shelving (as required) ..... OFOI
Flat files (as required) ..... OFOI
Storage racks (as required) ..... OFOI

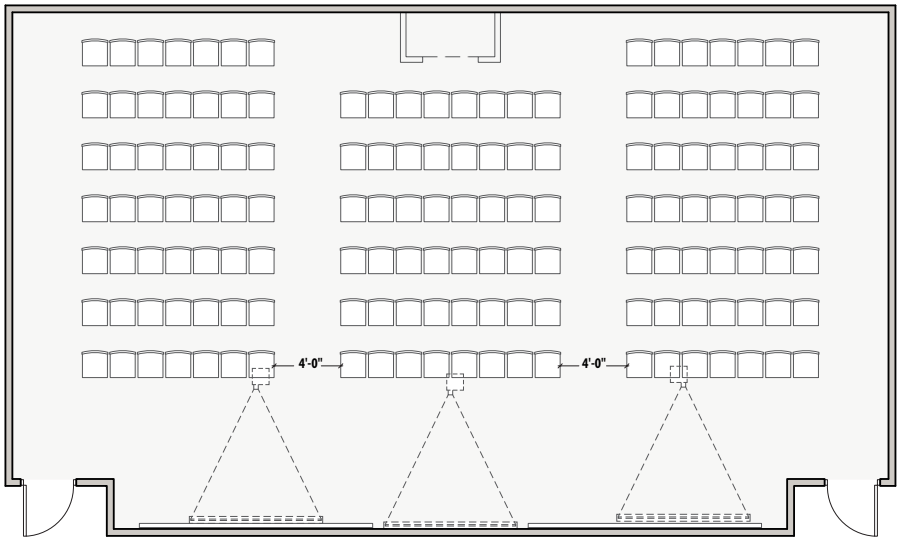
NOTES

INSTRUCTIONAL SPACES/RESOURCES

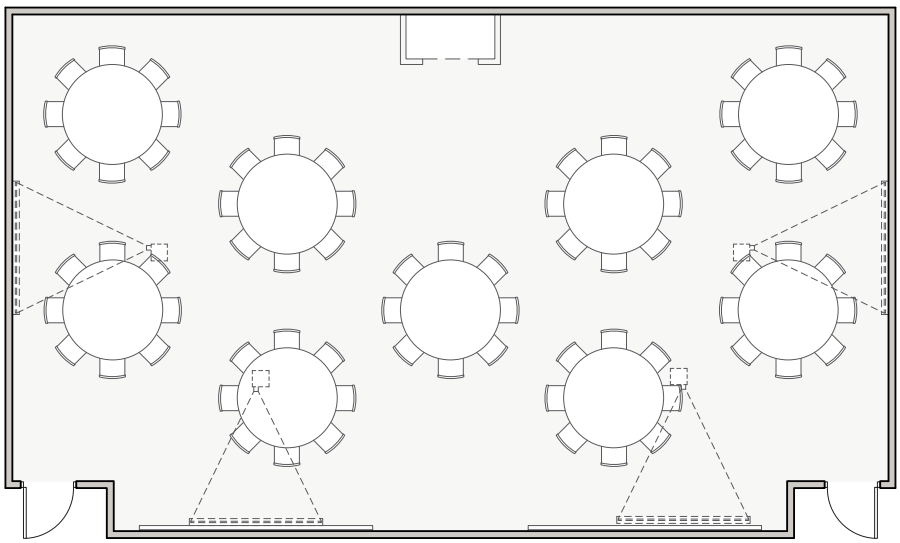
In addition to studio spaces, general instruction will be provided through a multipurpose room, series of seminar rooms, a Visual Resource Center, and a flexible computer lab. A flat floor, multipurpose room—with dedicated furniture storage—will be a flexible room that can be subdivided into two distinct spaces to allow for classroom, lecture, or banquet setup. This space offers the University flexibility to schedule classes for increased foot traffic, as well as host research symposia, public lectures, and special events or luncheons. Four small seminar rooms will accommodate 12 students each. The seminar rooms are envisioned as *paired,* divided by movable partitions so that this square footage allocation can also create two larger rooms that accommodate 24 students each. The Visual Resource Center will be open to both faculty and students to research and gather digital images, art books, and access audiovisual equipment. This space will consist of individual computer research stations and two small collaboration areas. An office for the Visual Resource Technician should be located nearby. Finally, a flexible computer lab with drop down computer stations will be provided for both lecture and non-major instruction.

INSTRUCTIONAL SPACES/RESOURCES	QUANTITY/SIZE OF SPACE(S)	ASF
Multipurpose Room	1 @ 1,600 ASF	1,600
Furniture Storage	1 @ 400 ASF	400
Seminar Room	4 @ 300 ASF	1,200
Visual Resource Center	1 @ 600 ASF	600
Visual Resource Technician Office	1 @ 120 ASF	120
Flexible Computer Lab	1 @ 960 ASF	960
TOTAL INSTRUCTIONAL SPACES/RESOURCES		**4,880**

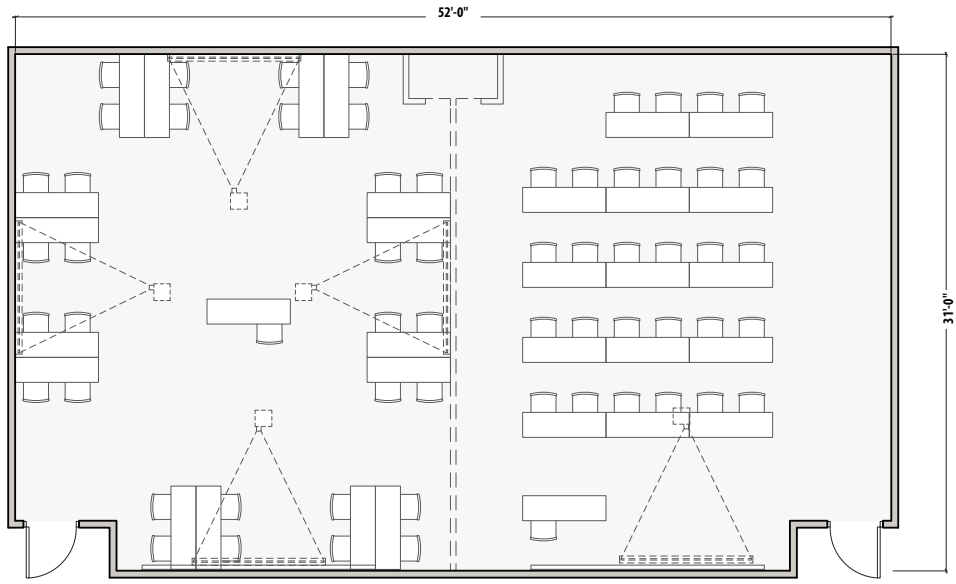
CONFERENCE LECTURE FURNITURE LAYOUT



BANQUET SEATING FURNITURE LAYOUT



SMALL GROUP / LECTURE CLASSROOM LAYOUT



SPACE NAME

Instructional Spaces/Resources
Multipurpose Space

ROOM FUNCTION

The multipurpose space will be used for events that require a flexible layout including the capability to be subdivided into two separate areas when required. This space can accommodate guest speakers, conferences, and be used as general classroom space when required.

SPATIAL CHARACTERISTICS

ROOM SIZE	1,600 ASF
OCCUPANTS	Up to 150 dependent upon layout
WALL FINISH	Painted GWB
FLOOR FINISH	Carpet tiles
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	Minimum 72 in. (two 36 in. doors)
EXTERIOR ACCESS	-
NATURAL LIGHT	Required

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet ports[1]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Presentation equipment[1,2]
SECURITY	Standard door lock
LIGHTING	Non-glare fluorescent/LED[2]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Ceiling-mounted data projectors ..... CFCI
Motorized projection screens ..... CFCI
Ceiling-mounted pan/tilt/zoom cameras ..... CFCI
Sound system with integrated audio amplifier ..... CFCI
Dry erase board with doors/wallcovering (as required) ..... CFCI
Folding partition ..... CFCI
Movable lectern(s)/equipment cabinet(s) ..... OFOI
Computer(s) ..... OFOI
Tables and chairs (as required) ..... OFOI
Microphone(s) ..... OFOI

NOTES

1 Provide duplex electrical convenience outlets along the perimeter walls (and at regular intervals in the floor) paying special attention to possible locations for sound and projection equipment; provide power and data at the lectern at the front of room with controls for projectors, projections screens, and lighting; also provide power and data at the ceiling for ceiling-mounted data projectors and cameras; provide adequate data outlets to accommodate all A/V and IT equipment

2 Ensure that no lighting fixtures or HVAC equipment obstruct the view to the projection screen(s)/whiteboard(s); locate the projectors and screens off-center paying special attention to all possible room configurations; provide zoned/dim-capable lighting for flexibility

3 Provide adequate acoustical separation above folding partition; verify STC requirements during design

SPACE NAME

Instructional Spaces/Resources
Furniture Storage

ROOM FUNCTION

This room should be located directly adjacent to the multipurpose space to store tables, chairs, and other items that are used to provide multiple configuration options

SPATIAL CHARACTERISTICS

ROOM SIZE	400 ASF
OCCUPANTS	-
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	Oversize door for furniture
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet ports[1]
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	-
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Shelving/storage cabinets (as required) ..... OFOI
Furniture storage racks (as required)..... OFOI

NOTES

1 Provide electrical outlets and ethernet ports as required for convenience

SPACE NAME

Instructional Spaces/Resources
Seminar Rooms (4)

ROOM FUNCTION

Seminar rooms for instruction to support up to twelve students each. These rooms should be paired to allow for the use of movable partitions to create a larger twenty-five occupant space when required.

SPATIAL CHARACTERISTICS

ROOM SIZE	300 ASF each
OCCUPANTS	12 + 1 each
WALL FINISH	Painted GWB[2]
FLOOR FINISH	Carpet tiles
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	Minimum 36 in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Required

ELECTRICAL/IT

POWER	Standard 120-volt[2]
DATA	WiFi access and ethernet[2]
TELEPHONE	Voice over IP[2]
AUDIO/VISUAL	Presentation equipment[2]
SPECIAL WIRING	-
SECURITY	Standard door lock[3]
LIGHTING	Non-glare fluorescent/LED[4]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Dry erase board/wallcovering (as required) ..... CFCI
Meeting table (1 each; 4 total) ..... OFOI
Task chairs (13 each; 52 total)..... OFOI
Flat panel display (1 each; 4 total) ..... OFOI

NOTES

1 Provide a movable partition between paired rooms; build out partition from the top of the retractable partition to the floor deck above to provide better acoustical control between rooms
2 Provide a floor box with power and ethernet ports in the center of the room; provide a wall box with power, ethernet, and A/V wiring as required to support a wall-mounted flat panel display; provide adequate A/V system for each of pair of rooms to allow effective instruction when used as a single large space
3 Room requires visual access from circulation via a window, side lite, or a lite in the door
4 Provide non-glare fluorescent lighting; utilize direct/indirect and task lighting

SPACE NAME

Instructional Spaces/Resources
Visual Resource Center

ROOM FUNCTION

Visual arts and media resource center for use by faculty and students to research and gather digital images and store/check-out books and other A/V equipment. Two group collaboration areas are provided and can be used to hold mini film screenings or to view DVDs. Individual computer research and scanning stations are also included.

SPATIAL CHARACTERISTICS

ROOM SIZE	600 ASF
OCCUPANTS	10 + 1
WALL FINISH	Painted GWB
FLOOR FINISH	Carpet tiles
CEILING FINISH	Suspended acoustical tile system[1]
DOOR SIZE	Minimum 36 in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Required

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet[1]
TELEPHONE	Voice over IP
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[2]
LIGHTING	Non-glare fluorescent/LED[3]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Dry erase board/wallcovering (as required) ..... CFCI
Bookshelves/display cabinets (as required, along one or more walls and within space) ..... CFCI
Student monitor/check-in station with chair..... OFOI
Print/scan stations (1 large; 1 small) ..... OFOI
Media research/review stations with chairs and headphones (10)..... OFOI
Round tables with seating for four each (2)..... OFOI
Flat panel displays (2) ..... OFOI
Lockable tall storage cabinets for A/V equip. in closet (video camera, projector, slide projector, laptop, copy stand, DVD player, etc.) ..... OFOI

NOTES

1 Preferred ten foot clear height (floor to ceiling)
2 Provide electrical outlets and ethernet ports along the perimeter walls and in recessed boxes in the floor/walls at appropriate intervals paying special attention to the locations of tables, computer stations, flat panel displays, etc.; provide convenience outlets as required paying special attention to location of shelving, computer stations, etc.

SPACE NAME

Instructional Spaces/Resources
Visual Resource Technician Office

ROOM FUNCTION

Private office for the Visual Resource Technician

SPATIAL CHARACTERISTICS

ROOM SIZE	120 ASF
OCCUPANTS	1
WALL FINISH	Painted GWB
FLOOR FINISH	Carpet tiles
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	36 in. wide (minimum)
EXTERIOR ACCESS	-
NATURAL LIGHT	Required

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet[1]
TELEPHONE	Voice over IP[1]
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[2]
LIGHTING	Non-glare fluorescent/LED[3]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Dry erase board/wallcovering (as required) ..... CFCI
L-shaped desk ..... OFOI
Task chair ..... OFOI
Side chairs (2) ..... OFOI
Lateral file cabinet ..... OFOI
Computer ..... OFOI
Desktop printer ..... OFOI

NOTES

1 Provide an electrical outlet, ethernet port, and telephone outlet on opposite walls to support a computer, a telephone, and a desktop printer
2 Room requires visual access from circulation via a window, side lite, or a lite in the door
3 Provide non-glare, direct/indirect lighting; utilize task lighting as required

SPACE NAME

Instructional Spaces/Resources
Flexible Computer Lab

ROOM FUNCTION

Space for flexible computer instruction of up to thirty students. This rooms provides for a flexible configuration to meet differing teaching methods and curriculum requirements.

SPATIAL CHARACTERISTICS

ROOM SIZE	960 ASF each
OCCUPANTS	24 + 1
WALL FINISH	Painted GWB
FLOOR FINISH	Carpet tiles
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	Minimum 36"
EXTERIOR ACCESS	No
NATURAL LIGHT	Preferred

ELECTRICAL/IT

POWER	Standard 120-volt[1,2]
DATA	WiFi access and ethernet ports[1,2]
TELEPHONE	Voice over IP located at entry
AUDIO/VISUAL	Teaching equipment[2]
SECURITY	Card key access
LIGHTING	Fluorescent/LED[3]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Dry erase wallcovering at projection wall..... CFCI
Sound system..... CFCI
Drop-down computer tables
(24; tables should be pre-wired to allow for connections to data and power) ..... OFOI
Task chairs on casters (24) ..... OFOI
Computers (24)..... OFOI
Print/Scan station..... OFOI

Teaching Equipment

Ceiling-mounted data projector..... CFCI
Flat panel displays (as required) ..... OFOI
Instructor station including:
- Lockable media cabinet ..... OFOI
- Document camera..... OFOI
- Computer ..... OFOI

NOTES

1. Provide electrical outlets and ethernet ports along the perimeter walls and in recessed boxes in the floor at appropriate intervals paying special attention to the locations of the student tables
2. Provide electrical outlets, ethernet ports, and A/V ports at the ceiling to support the installation of a ceiling-mounted data projector and in wall boxes to support the installation of flat panel displays; also provide appropriate wiring and A/V support between the equipment and the controls at the teaching wall or at the lectern/teaching station
3. Provide non-glare fluorescent/LED lighting; consider a zoned lighting approach to provide multiple lighting options with controls either at the teaching wall or at the lectern/teaching station
4. Provide adequate cooling and ventilation to accommodate the heat load from multiple computers and other electronic equipment in the room
5. Consideration should be given to constructing all perimeter walls to the floor/roof deck above the suspended acoustical tile system to provide better acoustical separation between rooms
6. Access to the room should be designed to limit the number of distractions during presentations; ensure that no lighting fixtures or HVAC equipment blocks the line of sight to the teaching wall

STUDIOS

Sixteen studios and associated support spaces will provide art instruction at SHSU. Studios will provide instructional capabilities for 15 to 20 students depending on the discipline taught. Of the sixteen instructional labs, there will be one large studio space allocated to WASH, two studios allocated to drawing, one studio each for painting, printmaking, ceramics, sculpture, and digital media, two studios each for graphic design and animation, two studios allocated to photography, and two multipurpose studios for upper-level work and future program growth. Various support spaces support instruction for each discipline.

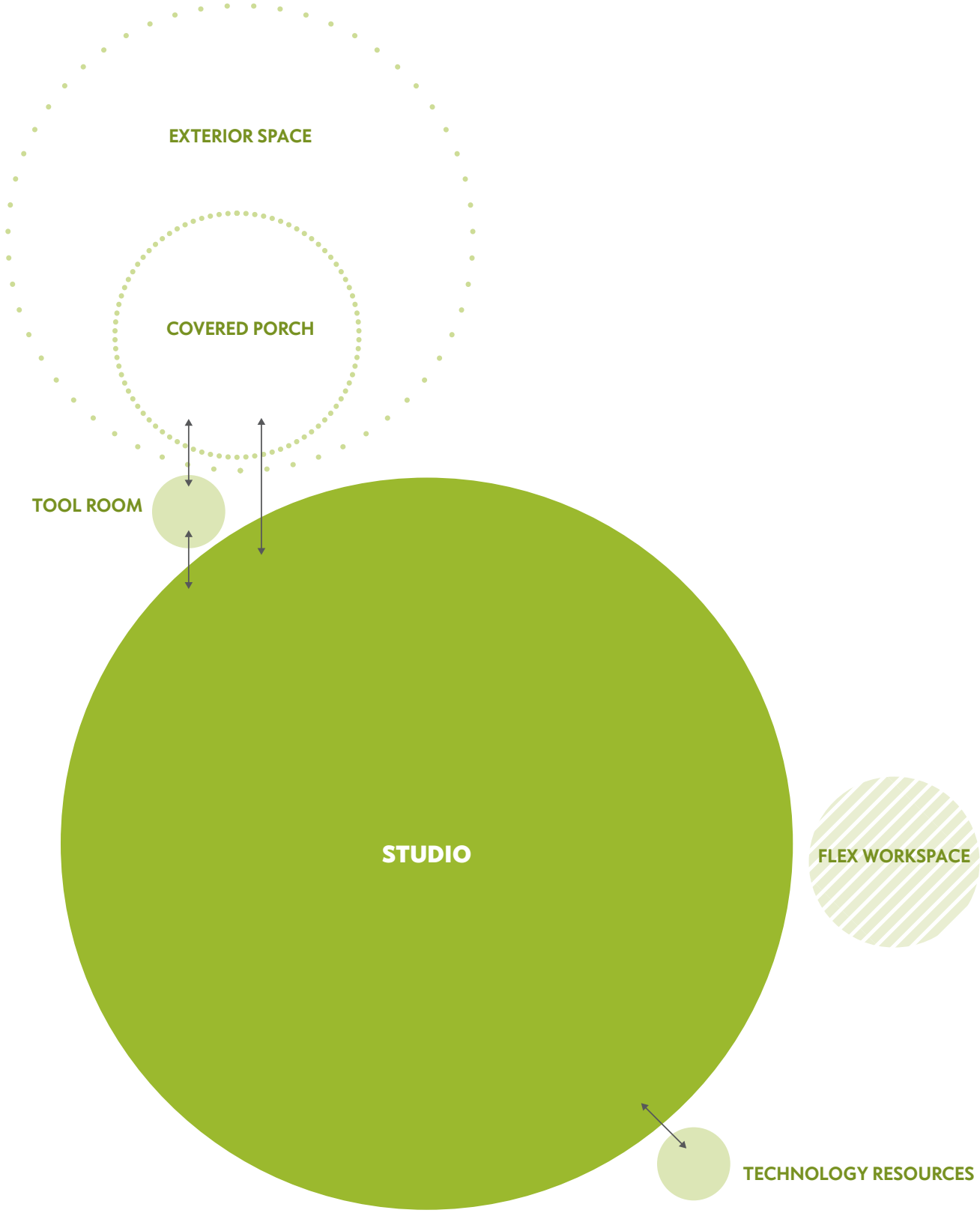
STUDIOS	ASF
WASH (Workshop in Art Studio and History)	4,020
2D Art	
Drawing	2,198
Painting	1,700
Printmaking	2,140
3D Art	
Ceramics	2,300
Sculpture	3,980
Digital Arts	
Digital Media	800
Graphic Design	2,424
Animation	2,320
Photography	3,430
Multipurpose	1,600
TOTAL STUDIOS	26,912

WASH | *current workspace at* SHSU*, Huntsville,* TX

WASH (WORKSHOP IN ART STUDIO AND HISTORY)

The WASH (Workshop in Art Studio and History) program is a unique program at SHSU. It allows students to participated in an experimental studio environment and immerses students in the theory and practice of contemporary art. The suite of spaces for WASH include a main studio space for work/instruction/critique, a tool room that acts as a small wood shop, a technology resources room for copy/scan functions and technology equipment check-out, and a flex workspace to accommodate student work outside of class and storage for large scale student projects. The existing WASH space is a double height space that allows for the flex workspace to occur in a lofted mezzanine. The users have expressed a strong preference for this spatial configuration.

WASH	QUANTITY/SIZE OF SPACE(S)	ASF
Class Workspace/Studio	1 @ 3,000 ASF	3,000
Tool Room	1 @ 300 ASF	300
Flex Workspace/Storage	1 @ 600 ASF	600
Technology Resources	1 @ 120 ASF	120
TOTAL WASH		**4,020**


EXTERIOR SPACE
COVERED PORCH
TOOL ROOM
STUDIO
FLEX WORKSPACE
TECHNOLOGY RESOURCES

SPACE NAME

WASH (Workshop in Art, Studio, and History)
Class Workspace/Studio

ROOM FUNCTION

This space is a multidisciplinary studio that explores 2D art, 3D art, and time-based art. This studio is the art department's foundation program and teaches in a cohort of forty students via lecture, demonstrations, projects, and group critiques.

SPATIAL CHARACTERISTICS

ROOM SIZE	3,000 ASF
OCCUPANTS	36 to 40 + 2
WALL FINISH	Painted GWB + ¾" plywood backing[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure (minimum 16 ft.)
DOOR SIZE	Minimum 72 in. + roll-up door[2]
EXTERIOR ACCESS	Yes
NATURAL LIGHT	Required; clerestory preferred

ELECTRICAL/IT

POWER	Standard 120-volt[3]
DATA	WiFi access and ethernet ports[3]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Teaching equipment[4]
SECURITY	Card key access
LIGHTING	Fluorescent/LED + track lighting[5]

HVAC & PLUMBING

VENTING	-
WATER	Hot and cold water[6]
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Utility sink (2; one of which is ADA accessible)..... CFCI
Hand wash sink, ADA accessible height ..... CFCI
Eyewash station with fire extinguisher..... CFCI
Movable partitions for critique;
(10; 8' x 8') ..... CFCI
Movable, folding tables (6 clusters of 2 tables;
4' x 8')..... OFOI
Movable demonstration tables (2; 6' x 6') ..... OFOI
Folding chairs (80) ..... OFOI
Movable shelving with 20" x 24" shelves
for student storage (80 shelves) ..... OFOI

Teaching Equipment
Ceiling-mounted data projector..... CFCI
Motorized projection screen ..... CFCI
Movable instructor station including:
Lockable media cabinet ..... OFOI
Table mounted document camera ..... OFOI
Computer ..... OFOI

NOTES

1 GWB walls should be backed with ¾" plywood to allow hanging heavy art pieces; provide critique wall consisting of magnetic metal panels
2 Verify per code via occupancy and egress requirements; two 10-ft. wide (minimum) roll-up doors paired with a 36 in. wide door for access to exterior covered porch
3 Provide overhead electrical cord reels (15 minimum) for electrical service in project workspace area; provide electrical and data outlets to support a teaching station and at the ceiling to support a data projector; provide electrical outlets at regular intervals along the perimeter walls for convenience; verify power requirements for equipment during design to ensure adequate electrical service
4 Provide appropriate wiring to support the required connections and controls for a data projector at the teaching station
5 Provide non-glare fluorescent/LED lighting zoned to allow adequate lighting across the space and dimmable light at the teaching wall to provide better visibility (lighting controls should be provided at or near the teaching station); a mixture of spots and movable/track lighting will be required to accommodate different exhibits and setups; provide multiple tracks to allow for maximum flexibility
6 Provide hot and cold water to utility and hand wash sinks; cold water to eyewash station

SPACE NAME

WASH (Workshop in Art, Studio, and History)
Tool Room

ROOM FUNCTION

A small-scale wood shop to support art instruction which should be located in close proximity to the utility sinks/eyewashes located in the class workspace/ studio

SPATIAL CHARACTERISTICS

ROOM SIZE	300 ASF
OCCUPANTS	-
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	Minimum 42-in. + roll-up door[1]
EXTERIOR ACCESS	Yes
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt + 240-volt[2]
DATA	WiFi access and ethernet ports[3]
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Card key access
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	Local exhaust[4]
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Work bench with pegboard and upper cabinets at perimeter wall ..... CFOI
Peg board ..... CFCI
Drill press ..... OFOI
Band saw ..... OFOI
Movable project table on casters ..... OFOI
Flammable/solvent cabinet (as required) ..... OFOI
Industrial metal shelving (as required) ..... OFOI

NOTES

1 The tool room should be accessible from the class workspace (minimum 42-in. door) and provide exterior access via an 8'-0" roll-up door
2 Provide adequate electrical outlets to support the workbench and equipment along perimeter walls (equipment may require 240-volt; verify power requirements during design) as well as any ancillary equipment; provide overhead electrical service cord reels at project tables
3 Provide ethernet ports along perimeter wall as required to support equipment
4 Provide local dust collection system
5 Tool room should be located in close proximity to utility sinks and eyewash fixtures in the main studio space; verify safety requirements during design

SPACE NAME

WASH (Workshop in Art, Studio, and History)
Flex Workspace/Storage

ROOM FUNCTION

An overflow workspace allowing students to work between classes and store large-scale projects. It is preferred that this space be included as a mezzanine overlooking the class workspace/studio.

SPATIAL CHARACTERISTICS

ROOM SIZE	600 ASF
OCCUPANTS	Up to 20
WALL FINISH	Painted GWB + ¾" plywood backing[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Preferred

ELECTRICAL/IT

POWER	Standard 120-volt[2]
DATA	WiFi access and ethernet ports[2]
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	-
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Movable tables and chairs (as required) ..... OFOI
Industrial metal shelving (as required) ..... OFOI

NOTES

1 GWB walls should be backed with ¾" plywood to allow hanging heavy art pieces; provide critique wall consisting of magnetic metal panels
2 Provide convenience electrical outlets and ethernet ports as required to support student workspace; provide overhead electrical service cord reels at project tables
3 The design of this space should allow access to and from this area without interrupting the primary class workspace/studio

SPACE NAME

WASH (Workshop in Art, Studio, and History)
Technology Resources

ROOM FUNCTION

This space provides students and faculty with print, scan, and copy functions as well as storage for technology available to students for check-out purposes.

SPATIAL CHARACTERISTICS

ROOM SIZE	120 ASF
OCCUPANTS	2 to 3
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Preferred

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet ports[1]
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Card key access
LIGHTING	Fluorescent/LED[2]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Computer stations (one wall, 3 stations)..... OFOI
Copier/printer..... OFOI
Industrial metal shelving (one wall, as required) .. OFOI

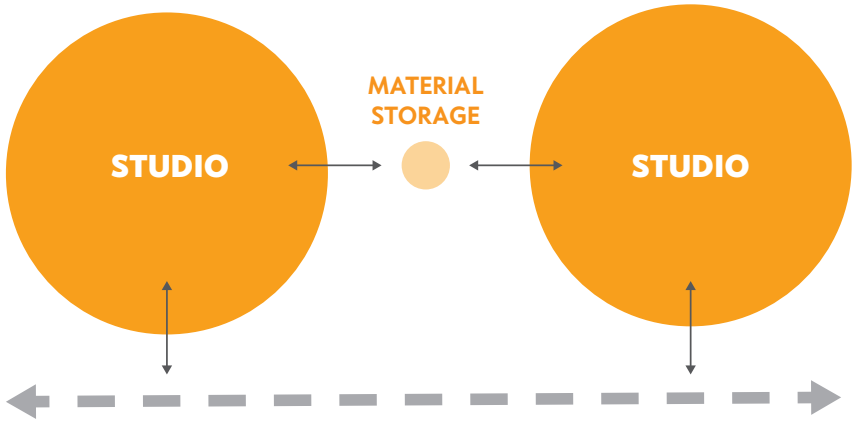
NOTES

1 Provide an electrical outlet and ethernet port to support each computer station and copier/printer; provide electrical outlets along shelving for device charging (consider wiremold or similar)
2 Provide non-glare lighting; utilize direct/indirect and task lighting
3 Room requires visual access via a window, side lite, or a lite in the door

2D ART

The two-dimensional art spaces are clustered to reflect similar capabilities required in the studio spaces rather than a degree program. These disciplines include drawing, painting, and printmaking. Students learn design principles and basic skills through work in a variety of media and are encouraged to experiment and cross boundaries between media. These studios require special attention to light quality and control.

2D ART	QUANTITY/SIZE OF SPACE(S)	ASF
Drawing		
Studio	2 @ 1,000 ASF	2,000
Spray Booth	2 @ 24 ASF	48
Material Storage	1 @ 150 ASF	150
Painting		
Studio	1 @ 1,500 ASF	1,500
Material/Tool Storage	1 @ 100 ASF	100
Flammable/Solvent Storage	1 @ 100 ASF	100
Printmaking		
Studio	1 @ 1,500 ASF	1,500
Paper Room	1 @ 200 ASF	200
Tool Room	1 @ 120 ASF	120
Darkroom	1 @ 160 ASF	160
Lithography/Dremel Relief	1 @ 160 ASF	160
TOTAL 2D ART		6,038


MATERIAL
STORAGE
STUDIO
STUDIO

SPACE NAME

2D Art: *Drawing*
Studios (2)

ROOM FUNCTION

The studios will be used for still life/live model drawing, expressive drawing, and conceptual rendering.

SPATIAL CHARACTERISTICS

ROOM SIZE	1,000 ASF each
OCCUPANTS	20 + 1
WALL FINISH	Painted GWB[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure (16-ft. minimum)[2]
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Required; clerestory preferred[3]

ELECTRICAL/IT

POWER	Standard 120-volt[4]
DATA	WiFi access and ethernet ports[4]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Teaching equipment[5]
SECURITY	Card key access
LIGHTING	Fluorescent/LED + track lighting[6]

HVAC & PLUMBING

VENTING	-
WATER	Hot/cold water[7]
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Utility sink with eyewash fixture (2; one of which is ADA accessible) ..... CFCI
Countertop with base cabinets adjacent to utility sinks ..... CFCI
Easels or drawing horses (21; one studio) ..... OFOI
Drafting tables (21; one studio) ..... OFOI
Flat file shelving with 30" × 36" × 6" shelves for student storage (100 shelves) ..... OFOI
Industrial metal shelving (as required) ..... OFOI

Teaching Equipment

Ceiling-mounted data projector ..... CFCI
Motorized projection screen ..... CFCI
Movable instructor station including:
- Lockable media cabinet ..... OFOI
- Table mounted document camera ..... OFOI
- Computer ..... OFOI

NOTES

1. Provide critique wall consisting of homasote panels or pin board
2. Provide NRC rating for sound absorption appropriate to an instructional environment
3. Natural light is required for instruction; indirect light (north light) via a clerestory is preferred; provide room darkening capability
4. Provide electrical and data outlets to support a teaching station and at the ceiling to support a data projector; provide electrical outlets at regular intervals along the perimeter walls for convenience; verify power requirements for equipment during design to ensure adequate electrical service
5. Provide appropriate wiring to support the required connections and controls for a data projector at the teaching station
6. Provide non-glare fluorescent/LED lighting zoned to allow adequate lighting across the space and dimmable light at the teaching wall to provide better visibility (lighting controls should be provided at or near the teaching station); a mixture of spots and movable/track lighting will be required to accommodate different exhibits and setups; provide multiple tracks to allow for maximum flexibility; variable, electrically controlled track lighting (both direction and quality of light) is required
7. Provide hot and cold water to utility sinks; cold water to eyewash

SPACE NAME

2D Art: *Drawing*
Spray Booths (2)

ROOM FUNCTION

These small alcoves provide an area for using aerosol sprays (spray adhesive, spray fixative) that require ventilation.

SPATIAL CHARACTERISTICS

ROOM SIZE	24 ASF each
OCCUPANTS	-
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Painted GWB
DOOR SIZE	-
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt
DATA	-
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	-
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	Dedicated exhaust/ventilation[1]
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

NOTES

1 Verify containment and venting requirements during the design phase

SPACE NAME

2D Art: *Drawing*
Material Storage

ROOM FUNCTION

General storage for still life props, materials, and tools shared between both drawing studios.

SPATIAL CHARACTERISTICS

ROOM SIZE	150 ASF
OCCUPANTS	-
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Acoustical ceiling tile
DOOR SIZE	Minimum 36-in. to each studio
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt convenience outlets
DATA	One ethernet port
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Standard door lock
LIGHTING	Fluorescent/LED

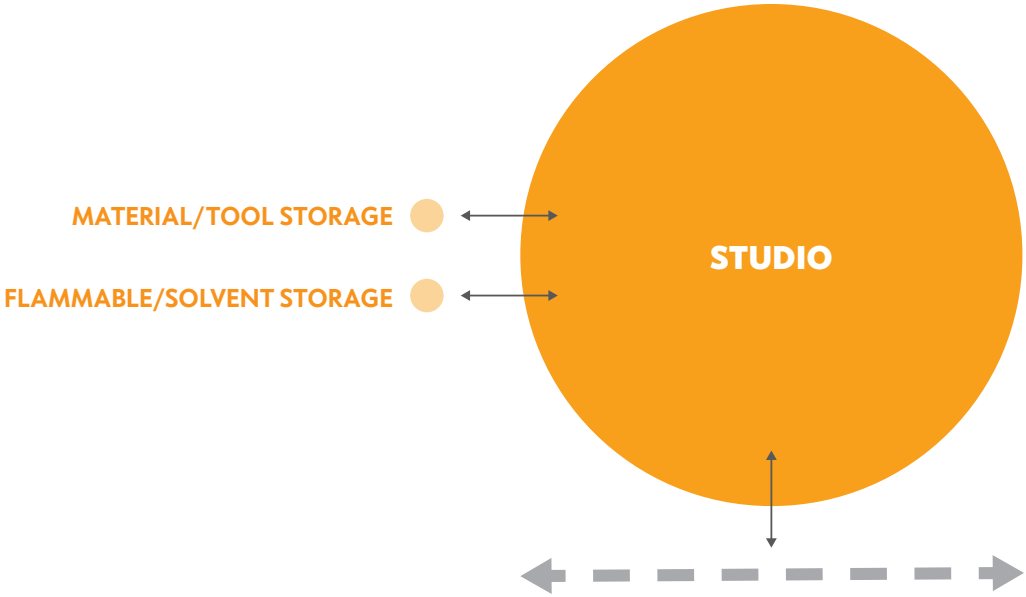
HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Storage racks (as required) ..... OFOI
Industrial metal shelving (as required) ..... OFOI

NOTES



Vertical rack shelving

Chair rail

Brush cleaning station

SPACE NAME

2D Art: *Painting*
Studio

ROOM FUNCTION

The painting studio will provide instruction in color theory, oil painting, acrylic painting, and canvas stretching and preparation.

SPATIAL CHARACTERISTICS

ROOM SIZE	1,500 ASF
OCCUPANTS	20 + 1
WALL FINISH	Painted GWB + ¾" plywood backing[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure (16-ft. minimum)[2]
DOOR SIZE	72-in. (double doors)
EXTERIOR ACCESS	-
NATURAL LIGHT	Required; clerestory preferred[3]

ELECTRICAL/IT

POWER	Standard 120-volt[4]
DATA	WiFi access and ethernet ports[4]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Teaching equipment[5]
SECURITY	Card key access
LIGHTING	Fluorescent/LED + track lighting[6]

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[7]
WATER	Hot and cold water[8]
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Utility sink with eyewash fixture (2; one of which is ADA accessible) ..... CFCI
Countertop with base cabinets adjacent to utility sinks ..... CFCI
Brush cleaning area with a sink (with sediment trap, countertop, and base cabinets ..... CFCI
Vertical rack shelving for student/canvas storage (minimum 8' W × 8' H; one wall) ..... CFCI
Easels (21) ..... OFOI
Tabourets (21) ..... OFOI
Industrial metal shelving (as required) ..... OFOI

Teaching Equipment

Ceiling-mounted data projector ..... CFCI
Motorized projection screen ..... CFCI
Movable instructor station including:
- Lockable media cabinet ..... OFOI
- Table-mounted document camera ..... OFOI
- Computer ..... OFOI

NOTES

1 GWB walls should be backed with 3/4" plywood to allow hanging heavy art pieces; include chair rail and mounting brackets
2 Provide NRC rating for sound absorption appropriate to an instructional environment
3 Natural light is required for instruction; indirect light (north light) via a clerestory is preferred
4 Provide electrical and data outlets to support a teaching station and at the ceiling to support a data projector; provide electrical outlets at regular intervals along the perimeter walls for convenience; verify power requirements for equipment during design to ensure adequate electrical service
5 Provide appropriate wiring to support the required connections and controls for a data projector at the teaching station
6 Provide non-glare fluorescent/LED lighting zoned to allow adequate lighting across the space and dimmable light at the teaching wall to provide better visibility (lighting controls should be provided at or near the teaching station); a mixture of spots and movable/track lighting will be required to accommodate different exhibits and setups; provide multiple tracks to allow for maximum flexibility; variable, electrically controlled track lighting (both direction and quality of light) with remote controlled spot lights is required
7 Provide additional exhaust/ventilation for fumes from solvents and paint; verify requirements for chemical containment/additional venting at the brush cleaning station
8 Provide hot and cold water to utility sinks and brush cleaning area; cold water to eyewash

SPACE NAME

2D Art: *Painting*
Material/Tool Storage

ROOM FUNCTION

General storage for still life props, materials, and tools.

SPATIAL CHARACTERISTICS

ROOM SIZE	100 ASF
OCCUPANTS	-
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt convenience outlets
DATA	One ethernet port
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Standard door lock
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Storage racks (as required) ..... OFOI
Industrial metal shelving (as required) ..... OFOI

NOTES

SPACE NAME

2D Art: *Painting*
Flammable/Solvent Storage

ROOM FUNCTION

Dedicated storage for flammables and solvents in support of the painting studio.

SPATIAL CHARACTERISTICS

ROOM SIZE	100 ASF
OCCUPANTS	-
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Painted GWB
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt convenience outlets
DATA	-
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Standard door lock
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

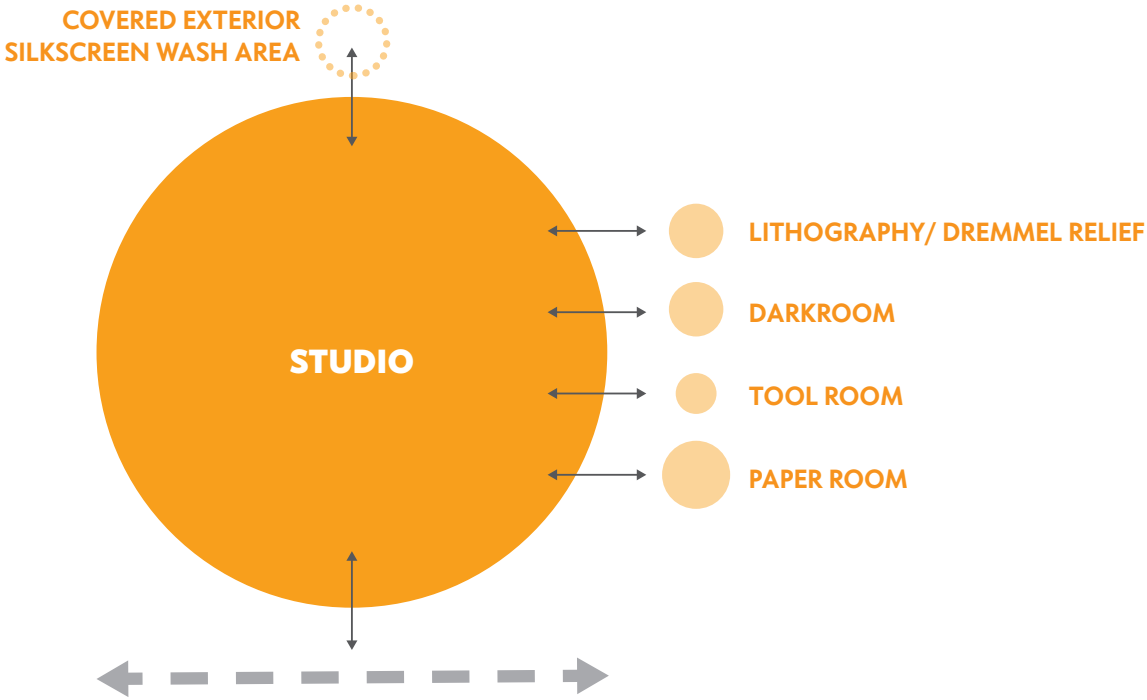
VENTING	Local exhaust/ventilation[1]
WATER	Hot/cold water at sink/eyewash
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Utility sink with eyewash fixture (ADA accessible) ..... CFCI
Countertop with base cabinets adjacent to utility sink ..... CFCI
Flammable storage cabinets (2; one for waste, one for paints/solvents) ..... OFOI
Waste barrel in metal cabinet ..... OFOI
Industrial metal shelving (as required) ..... OFOI

NOTES

1 Verify all venting and environmental requirements during design


COVERED EXTERIOR
SILKSCREEN WASH AREA
STUDIO
LITHOGRAPHY/ DREMMEL RELIEF
DARKROOM
TOOL ROOM
PAPER ROOM

SPACE NAME

2D Art: *Printmaking*
Studio

ROOM FUNCTION

The printmaking studio will provide instruction in silkscreen, etching, relief printing, mono-print, lithography, and bookmaking.

SPATIAL CHARACTERISTICS

ROOM SIZE	1,500 ASF
OCCUPANTS	18 + 1
WALL FINISH	Painted GWB[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure (15-ft. minimum)[2]
DOOR SIZE	72-in. (double doors)
EXTERIOR ACCESS	Yes; 72-in. (double doors)
NATURAL LIGHT	Required; clerestory preferred[3]

ELECTRICAL/IT

POWER	Standard 120-volt and 240-volt[4]
DATA	WiFi access and ethernet ports[4]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Teaching equipment[5]
SECURITY	Card key access
LIGHTING	Fluorescent/LED[6]

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[7]
WATER	Hot and cold water[8]
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Paper soak sink (48" L x 32" W x 6" D), with eyewash fixture and a countertop on either side for wet paper preparation and storage below (2; one of which is ADA accessible) ..... CFCI
Eyewash station ..... CFCI
Movable whiteboard ..... OFOI
Stools (19) ..... OFOI
Printing press (2) ..... OFOI
Press table (2) ..... OFOI
Movable work tables (6; 8' x 3') ..... OFOI
Movable inking tables , glass top with a storage shelf below (10; 8' x 3') ..... OFOI
Light table ..... OFOI
Screen rack ..... OFOI
Deep shelving for small equipment, print supplies, and shared materials (8; 16' L x 24" W x 8' H) ..... OFOI
Metal shelving for press supplies (2; 36" L x 18" W x 72" H) ..... OFOI

Teaching Equipment

Ceiling-mounted data projector ..... CFCI
Motorized projection screen ..... CFCI
Movable instructor station including:
- Lockable media cabinet ..... OFOI
- Table mounted document camera ..... OFOI
- Computer ..... OFOI

NOTES

1 Provide critique wall consisting of homasote panels or pin board
2 Provide NRC rating for sound absorption appropriate to an instructional environment
3 Natural light is required for instruction; indirect light (north light) via a clerestory is preferred; space should be *as bright as possible* for color registration
4 Provide electrical and data outlets to support a teaching station and at the ceiling to support a data projector; provide electrical outlets at regular intervals along the perimeter walls for convenience; provide overhead electrical service cord reels as needed; provide a GFCI outlet at each sink; verify power requirements for equipment during design to ensure adequate electrical service
5 Provide appropriate wiring to support the required connections and controls for a data projector at the teaching station
6 Provide non-glare fluorescent/LED lighting zoned to allow adequate lighting across the space with dual switching at the teaching wall to provide better visibility (lighting controls should be provided at or near the teaching station); color temperature to approximate to daylight as much as possible; verify appropriate footcandle intensity for color registration process during design
7 Provide additional exhaust/ventilation for fumes from solvents and paint; provide on/off switch as primarily used during clean-up
8 Provide hot and cold water to sinks; cold water to eyewash
9 Verify chemical usage and environmental protocols during design

SPACE NAME

2D Art: *Printmaking*
Paper Room

ROOM FUNCTION

Dedicated clean work room for handling/preparing paper, storing proof and print paper, and storing finished work.

SPATIAL CHARACTERISTICS

ROOM SIZE	200 ASF
OCCUPANTS	4
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet ports[1]
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Standard door lock
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Paper tearing table (2; 4′ × 8′) ..... OFOI
Five-drawer flat files to store finished work (2) ... OFOI
Horizontal shelving to store proof and print paper, prints in progress, and finished prints (min. 50 shelves; 42″ L × 30″ W × 24″ D) ..... OFOI

NOTES

1 Provide electrical outlets and ethernet ports as required to support instruction

SPACE NAME

2D Art: *Printmaking*
Tool Room

ROOM FUNCTION

Tool storage in support of the printmaking studio.

SPATIAL CHARACTERISTICS

ROOM SIZE	120 ASF
OCCUPANTS	-
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Standard door lock
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Industrial metal shelving (as required) ..... OFOI

NOTES

1 Provide ample electrical outlets for device charging

SPACE NAME

2D Art: *Printmaking*
Darkroom

ROOM FUNCTION

Small darkroom for silkscreen, photo emulsion, and plate etching processes.

SPATIAL CHARACTERISTICS

ROOM SIZE	160 ASF
OCCUPANTS	4
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt + 240-volt[1]
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Standard door lock
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[2]
WATER	Hot/cold water[3]
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Paper soak/washout sink with eyewash fixture and countertop on either side and storage below (48″ L × 32″ W × 6″ D)..... CFCI
Refrigerator ..... OFOI
Prep table on wheels with shelves underneath (4′ × 8′) ..... OFOI
Exposure units (4) ..... OFOI
Drying racks (2) ..... OFOI
Acid-resistant shelving ..... OFOI

NOTES

1 Provide electrical outlets as required to support equipment for silk-screening, photo emulsion, and plate etching; provide a GFCI outlet at each sink; verify power requirements for equipment during design to ensure adequate electrical service
2 Provide additional exhaust/ventilation for fumes from chemicals; verify chemical usage and environmental protocols during design
3 Provide hot and cold water to sink; cold water to eyewash
4 Verify chemical usage and environmental protocols during design

SPACE NAME

2D Art: *Printmaking*
Lithography/Dremmel Relief

ROOM FUNCTION

Dedicated space for lithography printing and relief printing.

SPATIAL CHARACTERISTICS

ROOM SIZE	160 ASF
OCCUPANTS	4
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Standard door lock
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[2]
WATER	Hot/cold water[3]
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Paper soak/washout sink with countertop on either side and storage below (48″ L × 32″ W × 6″ D) ..... CFCI
Flat files (as required) ..... OFOI
Work tables (as required) ..... OFOI
Industrial metal shelving (as required) ..... OFOI

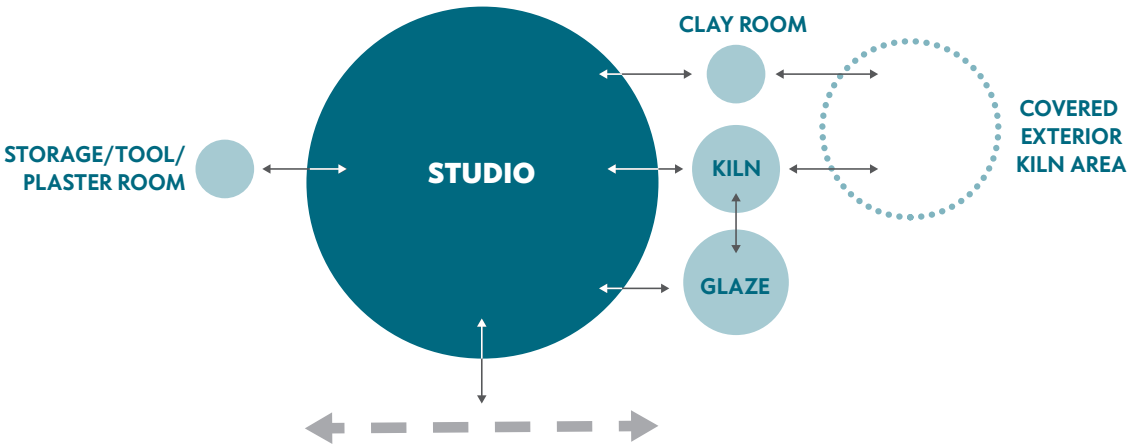
NOTES

1 Provide electrical outlets along countertop and along perimeter walls; provide a GFCI outlet at sink
2 Provide additional exhaust/ventilation for fumes from chemicals
3 Provide hot and cold water to sink

3D ART

As with two-dimensional art, the three-dimensional art spaces are clustered to reflect similar capabilities required in the studio spaces rather than a degree program. These disciplines include ceramics and sculpture. Students learn design principles and basic skills through work in a variety of media and are encouraged to experiment and cross boundaries between media. These studios require the use of large outdoor spaces in order to support art instruction.

3D ART	QUANTITY/SIZE OF SPACE(S)	ASF
Ceramics		
Studio	1 @ 1,200 ASF	1,200
Glaze Room	1 @ 400 ASF	400
Kiln Room	1 @ 300 ASF	300
Storage/Tool/Plaster Room	1 @ 200 ASF	200
Clay Room	1 @ 200 ASF	200
Sculpture		
Studio	1 @ 1,000 ASF	1,000
Wood Shop	1 @ 1,500 ASF	1,500
Metal Shop	1 @ 600 ASF	600
General Tool Storage	1 @ 160 ASF	160
Material/Specialty Tool Storage	1 @ 400 ASF	400
Technology Room	1 @ 200 ASF	200
Shop Technician Office	1 @ 120 ASF	120
TOTAL 3D ART		**6,280**


CLAY ROOM
STORAGE/TOOL/
PLASTER ROOM
STUDIO
KILN
COVERED
EXTERIOR
KILN AREA
GLAZE

SPACE NAME

3D Art: *Ceramics*
Studio

ROOM FUNCTION

Th ceramic studio will provide instruction in forming and processing clay. Techniques explored will include hand building (pinch, coil and slab construction), the wheel, and mold-making, firing techniques, and finishes.

SPATIAL CHARACTERISTICS

ROOM SIZE	1,200 ASF
OCCUPANTS	15 + 1
WALL FINISH	Painted GWB + ¾" plywood backing[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Painted GWB (16-ft. minimum)
DOOR SIZE	Minimum 72-in. (double doors)
EXTERIOR ACCESS	-
NATURAL LIGHT	Required; clerestory preferred

ELECTRICAL/IT

POWER	Standard 120-volt[2]
DATA	WiFi access and ethernet ports[2]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Teaching equipment[3]
SECURITY	Card key access
LIGHTING	Fluorescent/LED[4]

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[5]
WATER	Hot/cold water[6]
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Stainless steel, deep utility sink with sediment trap and eyewash fixture (2; one of which is ADA accessible) ..... CFCI
Shelving at perimeter walls for student work and tools with minimum 3' D x 3' H clearance for individual shelves (2 walls) ..... OFOI
Movable standing height metal tables (8) ..... OFOI
Stools (16) ..... OFOI
Electric wheel(s) ..... OFOI
Wall-mounted clay extruder ..... OFOI
Industrial metal shelving (as required) ..... OFOI
Slab roller ..... OFOI

Teaching Equipment
Flat panel display ..... CFCI
Movable instructor station including:
- Lockable media cabinet ..... OFOI
- Table mounted document camera ..... OFOI
- Computer ..... OFOI

NOTES

1 Provide critique walls that are GWB backed with ¾" plywood to allow hanging heavy art pieces
2 Provide electrical outlets and ethernet ports along the walls (to support the installation of flat panel display); provide electrical outlets at regular intervals along the perimeter walls for convenience; verify power requirements for equipment during design to ensure adequate electrical service
3 Provide appropriate wiring to support the required connections and controls for a data projector at the teaching station
4 Provide non-glare fluorescent/LED lighting zoned to allow adequate lighting across the space and dimmable light at the teaching wall to provide better visibility (lighting controls should be provided at or near the teaching station)
5 Provide additional exhaust/ventilation for particulates and fumes from clay and glazes
6 Provide hot and cold water to utility sinks; cold water to eyewash
7 All surfaces should be cleanable
8 Preferred adjacency to a gallery or critique nook for additional critique space for 3D sculptures

SPACE NAME

3D Art: *Ceramics*
Glaze Room

ROOM FUNCTION

Work room to accommodate ceramic glazing, drying, and glaze storage.

SPATIAL CHARACTERISTICS

ROOM SIZE	400 ASF
OCCUPANTS	Varies
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Painted GWB
DOOR SIZE	Minimum 48-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Preferred

ELECTRICAL/IT

POWER	Standard 120-volt + 240-volt[1]
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Card key access
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[2]
WATER	Hot/cold water[3]
FLOOR DRAIN	Yes

FURNISHINGS, FIXTURES, & EQUIPMENT

Scullery sink with sediment trap/chemical separation and eyewash fixture (verify during design) ..... CFCI
Powdered glaze mixer ..... OFOI
Movable, standing height stainless steel tables (2 to 3) ..... OFOI
Stainless steel storage cabinet for glazes (as required) ..... OFOI
Industrial metal shelving (as required) ..... OFOI

NOTES

1 Provide convenience electrical outlets as required to support instruction; 240-volt power may be required; verify power requirements for equipment during design to ensure adequate electrical service
2 Provide additional exhaust/ventilation for fumes from glazes and chemicals, particulates removal, etc.; countertop ventilation will be required
3 Provide hot and cold water to sink; cold water to eyewash
4 Verify chemical containment/separation and environmental protocols during design

SPACE NAME

3D Art: *Ceramics*
Kiln Room

ROOM FUNCTION

Kiln room for firing clay.

SPATIAL CHARACTERISTICS

ROOM SIZE	300 ASF
OCCUPANTS	-
WALL FINISH	Painted GWB/CMU
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	Minimum 48-in.
EXTERIOR ACCESS	Required
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt + 240-volt[1]
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Card key access
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[2]
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Electric kilns (5 to 6; as required) ..... OFOI
Kiln shelves, cones, and supplies (as required) .... OFOI
Industrial metal shelving (as required) ..... OFOI

NOTES

1 Provide electrical outlets to support kiln use; 240-volt power may be required; verify power requirements for equipment during design to ensure adequate electrical service
2 Provide additional exhaust at bottom of kilns to remove hot air

SPACE NAME

3D Art: *Ceramics*
Storage/Tool/Plaster Room

ROOM FUNCTION

General storage room for tools and plaster, mixing plaster, and mold-making. This space is utilized by sculpture as well.

SPATIAL CHARACTERISTICS

ROOM SIZE	200 ASF
OCCUPANTS	Varies
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Card key access
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	Hot/cold water[2]
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Utility sink with sediment trap and eyewash fixture..... CFCI
Movable standing height tables (2)..... OFOI
Industrial metal shelving (as required) ..... OFOI

NOTES

1 Provide convenience electrical outlets as required to support instruction
2 Provide hot and cold water to utility sink; cold water to eyewash
3 Verify chemical containment and environmental protocols during design

SPACE NAME

3D Art: *Ceramics*
Clay Room

ROOM FUNCTION

Storage area for clay.

SPATIAL CHARACTERISTICS

ROOM SIZE	200 ASF
OCCUPANTS	-
WALL FINISH	Painted CMU
FLOOR FINISH	Polished concrete
CEILING FINISH	Painted GWB
DOOR SIZE	Minimum 72-in. (double doors)
EXTERIOR ACCESS	Required[1]
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt + 240-volt[2]
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Card key access
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

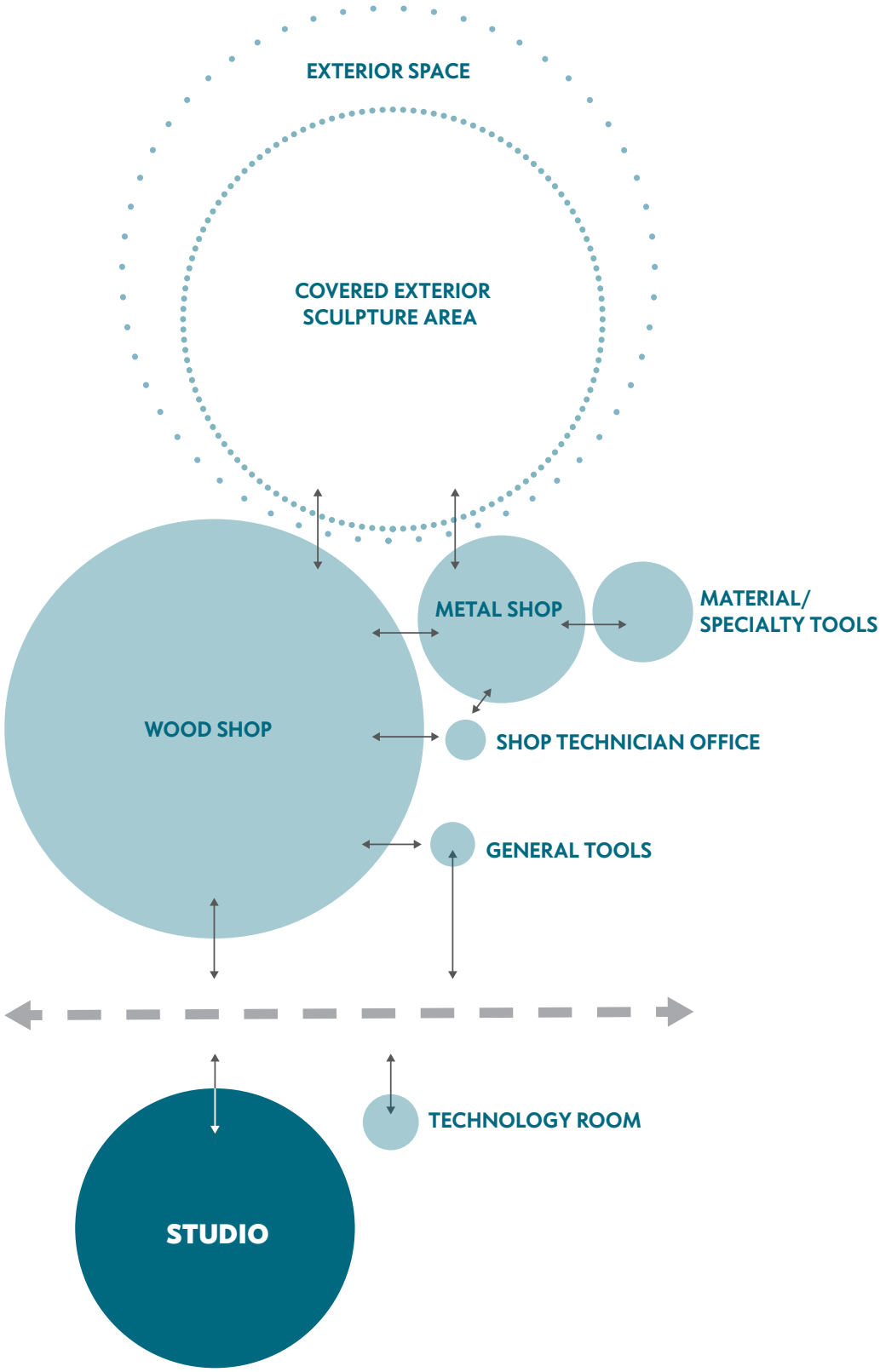
VENTING	Local exhaust/ventilation[3]
WATER	Hot/cold water[4]
FLOOR DRAIN	Yes, near hose bibb

FURNISHINGS, FIXTURES, & EQUIPMENT

Utility sink with sediment trap and eyewash fixture ..... CFCI
Hose bibb ..... CFCI
Clay mixer ..... OFOI
Storage racks (as required) ..... OFOI
Industrial metal shelving (as required) ..... OFOI

NOTES

1 Exterior access is required for loading/unloading; proximity and/or access to loading dock for large deliveries
2 Provide electrical outlets to support equipment as needed; 240-volt power may be required; verify power requirements for equipment during design to ensure adequate electrical service
3 Provide additional exhaust/ventilation to push particulates from clay mixing to the exterior
4 Provide hot and cold water to utility sink; cold water to eyewash and hose bibb


EXTERIOR SPACE
COVERED EXTERIOR SCULPTURE AREA
METAL SHOP
MATERIAL/ SPECIALTY TOOLS
WOOD SHOP
SHOP TECHNICIAN OFFICE
GENERAL TOOLS
TECHNOLOGY ROOM
STUDIO

SPACE NAME

3D Art: *Sculpture*
Studio

ROOM FUNCTION

The sculpture studio will provide instruction in wood and metal fabrication and casting for both beginning and advanced sculpture.

SPATIAL CHARACTERISTICS

ROOM SIZE	1,000 ASF
OCCUPANTS	15 + 2
WALL FINISH	Painted ¾" plywood[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure (16-ft. minimum)[2]
DOOR SIZE	Minimum 72-in. (double doors)
EXTERIOR ACCESS	-
NATURAL LIGHT	Required; prefer clerestory

ELECTRICAL/IT

POWER	Standard 120-volt[3]
DATA	WiFi access and ethernet ports[3]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Teaching equipment[4]
SECURITY	Card key access
LIGHTING	Fluorescent/LED[5]

HVAC & PLUMBING

VENTING	-
WATER	Hot/cold water[6]
FLOOR DRAIN	-
PIPED SERVICES	Compressed air[3]

FURNISHINGS, FIXTURES, & EQUIPMENT

Stainless steel, deep utility sink with sediment trap and eyewash fixture (2; one of which is ADA accessible) ..... CFCI
Movable wood top tables (4; 4′ × 8′) ..... OFOI
Stools (17) ..... OFOI
Flammable/chemical storage cabinet ..... OFOI
Deep industrial metal shelving (one wall) ..... OFOI

Teaching Equipment

Ceiling-mounted data projector ..... CFCI
Motorized projection screen ..... CFCI
Movable instructor station including:
- Lockable media cabinet ..... OFOI
- Computer ..... OFOI

NOTES

1. Painted ¾" plywood is required to allow hanging heavy art pieces
2. Provide NRC rating for sound absorption appropriate to an instructional environment
3. Provide electrical and data outlets to support a teaching station and at the ceiling to support a data projector; provide electrical outlets at regular intervals along the perimeter walls for convenience; verify power requirements for equipment during design to ensure adequate electrical service; provide overhead electrical outlets and compressed air to project tables
4. Provide appropriate wiring to support the required connections and controls for a data projector at the teaching station
5. Provide non-glare fluorescent/LED lighting zoned to allow adequate lighting across the space and dimmable light at the teaching wall to provide better visibility (lighting controls should be provided at or near the teaching station)
6. Provide hot and cold water to utility sinks; cold water to eyewash
7. Faculty would prefer to be consulted for design/construction of furniture solutions for space

SPACE NAME

3D Art: *Sculpture*
Wood Shop

ROOM FUNCTION

Dedicated workshop to support studio instruction in wood fabrication. This area should be forklift-accessible.

SPATIAL CHARACTERISTICS

ROOM SIZE	1,500 ASF
OCCUPANTS	15 + 2
WALL FINISH	¾" plywood with painted GWB[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure (16-ft. minimum)
DOOR SIZE	Minimum 72-in. (double doors)
EXTERIOR ACCESS	Yes; rollup door + 36-in.[2]
NATURAL LIGHT	Required; clerestory preferred

ELECTRICAL/IT

POWER	Standard 120-volt + 240-volt[3]
DATA	WiFi access and ethernet ports[3]
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Card key access
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[4]
WATER	Hot/cold water[5]
FLOOR DRAIN	-
PIPED SERVICES	Compressed air[6]

FURNISHINGS, FIXTURES, & EQUIPMENT

Utility sink with sediment trap and eyewash fixture ..... CFCI
Dust collection system ..... CFCI
Turnstile ..... OFOI
Project tables (3; 4′ × 8′) ..... OFOI
Industrial metal shelving (as required) ..... OFOI
Wall-mounted wood storage (as required) ..... OFOI

Fixed Equipment

Table saws (2) ..... OFOI
Wood lathe ..... OFOI
Kiln ..... OFOI
Drill press ..... OFOI
Sandblast cabinet ..... OFOI

Other Equipment

Band saws (2) ..... OFOI
Planer ..... OFOI
Joiner ..... OFOI
Belt sander ..... OFOI
Chop saw ..... OFOI
Panel saw ..... OFOI

NOTES

1 Provide painted plywood from the floor to 8-ft. height with painted GWB above
2 Provide a 10-ft. × 12-ft. roll-up door to the exterior paried with a standard 36-in. wide door
3 Provide electrical outlets at regular intervals along the perimeter walls for convenience and at equipment as needed; 240-volt power is required in this space; verify power requirements for equipment during design to ensure adequate electrical service; provide overhead electrical service to project tables; provide emergency power shut-off
4 Provide adequate ventilation, temperature, and relative humidity controls to properly and safely operate within the area; a dust collection system will be required, placed outside of the room and ducted from the room (the appropriate system should be verified during design)
5 Provide hot and cold water to utility sink; provide cold water to eyewash
6 Provide overhead service for compressed air to project tables; also provide compressed air as needed for equipment
7 Provide 72" opening for access between the wood shop and the metal shop

SPACE NAME

3D Art: *Sculpture*
Metal Shop

ROOM FUNCTION

Dedicated workshop to support studio instruction in metal fabrication. This area should be forklift-accessible.

SPATIAL CHARACTERISTICS

ROOM SIZE	600 ASF
OCCUPANTS	4 to 6
WALL FINISH	¾" plywood with painted GWB[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure (16-ft. minimum)
DOOR SIZE	Minimum 72-in. (double doors)
EXTERIOR ACCESS	Yes; rollup door + 36-in.[2]
NATURAL LIGHT	Required; clerestory preferred

ELECTRICAL/IT

POWER	Standard 120-volt + 240-volt[3]
DATA	One ethernet port
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Card key access
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[4]
WATER	Hot/cold water[5]
FLOOR DRAIN	-
PIPED SERVICES	Compressed air[6]

FURNISHINGS, FIXTURES, & EQUIPMENT

Handwash sink with eyewash fixture ..... CFCI
Wall-mounted, standing height bench with wood countertop and storage space below (6 linear feet) ..... CFCI
Industrial metal shelving (as required) ..... OFOI

Fixed Equipment

Metal roller ..... OFOI
Metal brake ..... OFOI
Metal shear ..... OFOI
Metal lathe ..... OFOI
Milling machine ..... OFOI
Planisher hammer ..... OFOI
English wheel ..... OFOI
Ring roller ..... OFOI

Other Equipment

Plasma cutter (stored inside only/used outside) .. OFOI
CNC table top for use with plasma cutter ..... OFOI

NOTES

1. Provide painted plywood from the floor to 8-ft. height with painted GWB above
2. Provide a 10-ft. × 12-ft. roll-up door to the exterior paried with a standard 36-in. wide door
3. Provide electrical outlets at regular intervals along the perimeter walls for convenience; 240-volt power may be required; verify power requirements for equipment during design to ensure adequate electrical service; provide emergency power shut-off
4. Provide adequate ventilation, temperature, and relative humidity controls to properly and safely operate within the area
5. Provide hot and cold water to sink; provide cold water to eyewash
6. Provide overhead service for compressed air and as needed for equipment
7. Provide 72" opening for access between wood shop and metal shop

SPACE NAME

3D Art: *Sculpture*
General Tool Storage

ROOM FUNCTION

Secured tool storage room for general student access under supervision of shop technician.

SPATIAL CHARACTERISTICS

ROOM SIZE	160 ASF
OCCUPANTS	2 to 3
WALL FINISH	Painted ¾" plywood
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	Minimum 42-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Standard door lock
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Industrial metal shelving (as required) ..... OFOI

NOTES

1 Provide convenience electrical outlets as required; provide ample outlets to allow for device charging

SPACE NAME

3D Art: *Sculpture*
Material/Specialty Tool Storage Room

ROOM FUNCTION

Restricted access storage area for bulk materials and secured specialty tools.

SPATIAL CHARACTERISTICS

ROOM SIZE	400 ASF
OCCUPANTS	-
WALL FINISH	Painted ¾" plywood
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	Minimum 42-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Standard door lock
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Storage racks (as required) ..... OFOI
Industrial metal shelving (as required) ..... OFOI

NOTES

1 Provide convenience electrical outlets as required; provide ample outlets to allow for device charging

SPACE NAME

3D Art: *Sculpture*
Technology Room

ROOM FUNCTION

The technology room is a clean workspace dedicated for 3D printing and laser cutting. This space is a shared resource for the entire department and should be generally accessible to all disciplines.

SPATIAL CHARACTERISTICS

ROOM SIZE	200 ASF
OCCUPANTS	2 to 3
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Painted GWB
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt + 240-volt[1]
DATA	WiFi access and ethernet ports[1]
TELEPHONE	Voice over IP
AUDIO/VISUAL	-
SECURITY	Card key access
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[2]
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

3D printer ..... OFOI
Laser cutter ..... OFOI
Computer(s) and workstation (as required) ..... OFOI

NOTES

1 Provide electrical outlets and ethernet ports as required to support equipment; 240-volt power may be required; verify power requirements for equipment during design to ensure adequate electrical service
2 Provide additional exhaust/ventilation to remove fumes

SPACE NAME

3D Art: *Sculpture*
Shop Technician Office

ROOM FUNCTION

Private office for shop technician. The office should be located to allow for direct visibility to both the wood and metal shops.

SPATIAL CHARACTERISTICS

ROOM SIZE	120 ASF each
OCCUPANTS	1 each
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Required

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet[1]
TELEPHONE	Voice over IP[1]
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[2]
LIGHTING	Non-glare fluroescent/LED[3]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

L-shaped desk ..... OFOI
Task chair ..... OFOI
Side chairs (2) ..... OFOI
Lateral file cabinet ..... OFOI
Computer ..... OFOI
Desktop printer ..... OFOI

NOTES

1 Provide an electrical outlet, ethernet port, and telephone outlet on opposite walls to support a computer, a telephone, and a desktop printer
2 Room requires visual access from circulation via a window, side lite, or a lite in the door
3 Provide non-glare fluorescent lighting; utilize direct/indirect and task lighting

DIGITAL ARTS

The Digital Arts cluster of instructional spaces include disciplines for three individual BFA programs: graphic design, animation, and photography. They are grouped to reflect similar capabilities required in the studio spaces. These studios have a lower ceiling height and require special attention to technology integration.

DIGITAL ARTS	QUANTITY/SIZE OF SPACE(S)	ASF
Digital Media		
Multimedia Classroom	1 @ 800 ASF	800
Graphic Design		
Studio/Classroom	2 @ 800 ASF	1,600
Production Studio	1 @ 240 ASF	240
Print Production	1 @ 240 ASF	240
Student Design Agency	1 @ 120 ASF	120
Secure Storage	1 @ 200 ASF	200
Spray Booth	1 @ 24 ASF	24
Animation		
2D Animation Studio	1 @ 800 ASF	800
3D Animation Studio	1 @ 800 ASF	800
Production Studio	1 @ 600 ASF	600
Recording Studio	1 @ 120 ASF	120
Photography		
Studio	1 @ 800 ASF	800
Class Lab	1 @ 700 ASF	700
Student Storage	1 @ 100 ASF	100
Print Finishing	1 @ 350 ASF	350
Darkroom	1 @ 600 ASF	600
Digital Darkroom	1 @ 600 ASF	600
Mural Printer/Labbie Alcove	1 @ 200 ASF	200
Film Loading/One-Person Darkroom	1 @ 80 ASF	80
TOTAL DIGITAL ARTS		**8,974**

SPACE NAME

Digital Arts: *Digital Media*
Multimedia Classroom

ROOM FUNCTION

This classroom supports active learning, distance learning, and small group learning with laptops through the use of high quality audio and visual projection capabilities. The multimedia classroom will provide instruction in software training/demonstrations and capable of distance presentations and Skype interviews.

SPATIAL CHARACTERISTICS

ROOM SIZE	800 ASF
OCCUPANTS	20 + 1 instructor
WALL FINISH	Painted GWB[1]
FLOOR FINISH	Carpet tiles
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Preferred

ELECTRICAL/IT

POWER	Standard 120-volt[2,3]
DATA	WiFi access and ethernet ports[2,3]
TELEPHONE	Voice over IP located near entry
AUDIO/VISUAL	Presentation equipment + stereo[3]
SECURITY	Card key access
LIGHTING	Non-glare fluorescent/LED[4]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

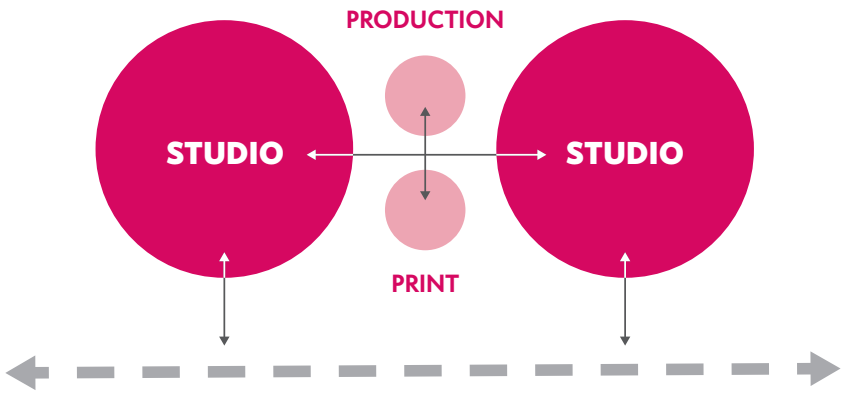
Dry erase board(s)/wallcovering ..... CFCI
Two-top tables (10; 20" x 60"; tables should be pre-wired for data and power) ..... OFOI
Movable, adjustable chairs on casters (21) ..... OFOI
Lockable rolling metal cabinets (as required) ..... OFOI
Print/scan stations (2) ..... OFOI

Presentation Equipment

Ceiling-mounted high-definition projector ..... CFCI
High definition projection screen ..... CFCI
Microphones ..... CFCI
Camera(s) ..... CFCI
Speaker(s) ..... CFCI
Mobile instructor station including:
- Lockable media cabinet ..... OFOI
- Document camera ..... OFOI
- Computer ..... OFOI
- Blu-Ray player ..... OFOI

NOTES

1 Provide designated critique wall consisting of magnetic metal panels
2 Provide electrical outlets and ethernet ports along the perimeter walls at appropriate intervals paying special attention to the locations of the student stations; include additional electrical outlets along walls for future flexibility
3 Provide electrical outlets, ethernet, and A/V ports at the ceiling to support the installation of a ceiling-mounted data projector; also provide appropriate wiring and A/V support between the equipment and the controls at the teaching wall or at the teaching station; teaching equipment should include appropriate controls for microphones, speakers, and cameras; include a laptop connection at the back of the room for future flexibility
4 Provide non-glare fluorescent/LED lighting; consider a zoned lighting approach or dimmable lights to provide multiple lighting options with controls either at the teaching wall or at the teaching station
5 Consideration should be given to constructing all perimeter walls to the floor/roof deck above the suspended acoustical tile system to provide better acoustical separation between rooms
6 Access to the room should be designed to limit the number of distractions during presentations; ensure that no lighting fixtures or HVAC equipment blocks the line of sight to the teaching wall


PRODUCTION
STUDIO
STUDIO
PRINT

SPACE NAME

Digital Arts: *Graphic Design*
Studio/Classrooms (2)

ROOM FUNCTION

Studio space to provide instruction in the principles of graphic design, typography, graphic design production, and packaging design. Techniques include drawing, sketching, brainstorming, concept development, photography, mounting, gluing, cutting, collating, binding, folding, and color matching.

SPATIAL CHARACTERISTICS

ROOM SIZE	800 ASF each
OCCUPANTS	20 + 1 each
WALL FINISH	Painted GWB[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure (10-ft. minimum)[2]
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Required

ELECTRICAL/IT

POWER	Standard 120-volt[3,4]
DATA	WiFi access and ethernet ports[3,4]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Teaching equipment/sound system[4]
SECURITY	Card key access
LIGHTING	Fluorescent/LED[5]

HVAC & PLUMBING

VENTING	-
WATER	Hot/cold water[6]
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Hand wash sink (1 each, 2 total; do not locate near either the critique wall or projection wall)..... CFCI
Dry erase wallcovering at projection wall..... CFCI
Sitting height movable tables at perimeter (10; studio #1) ..... OFOI
Flat panel display on mobile cart for critique (1 shared between studios) ..... OFOI
Conference table (studio #1) ..... OFOI
Standing height tables on casters in center of room (4; 4′ × 8′;studio #2) ..... OFOI
Movable, adjustable chairs on casters (21; studio #1) ..... OFOI
Drafting table chairs on casters (21; studio #2).... OFOI
Computer scanning station on mobile table (2 each, 4 total) ..... OFOI
Movable, adjustable metal shelving for with slots to store 4′ × 5′ paper boxes vertically (as required) ..... OFOI
Industrial metal shelving on casters (as required) ..... OFOI

Teaching Equipment

Ceiling-mounted data projector..... CFCI
Motorized projection screen ..... CFCI
Speaker(s) ..... CFCI
Mobile standing height, instructor station including:
- Lockable media cabinet ..... OFOI
- Document camera..... OFOI
- Laptop connections..... OFOI

NOTES

1 Provide designated critique wall consisting of magnetic metal panels (16-ft. minimum)
2 Provide NRC rating for sound absorption appropriate to an instructional environment
3 Studio #1: provide electrical outlets and ethernet ports along the perimeter walls at appropriate intervals paying special attention to the locations of the student stations; include additional electrical outlets along walls for future flexibility; Studio #2: provide overhead electrical service cord reels in the central area of the room; provide convenience electrical and data outlets along the perimeter walls
4 Provide electrical outlets, ethernet, and A/V ports at the ceiling to support the installation of a ceiling-mounted data projector; also provide appropriate wiring and A/V support between the equipment and the controls at the teaching wall or at the teaching station; teaching equipment should include appropriate controls for integrated sound system; provide appropriate A/V controls for *flipped* classroom scenario in studio #1 (this will require a software solution to allow any student to display their screen at any given moment via the projector in addition to the instructor station computer)
5 Provide non-glare fluorescent/LED lighting; consider a zoned lighting approach or dimmable lights to provide multiple lighting options with controls either at the teaching wall or at the teaching station
6 Provide hot and cold water to hand wash sink
7 Movable, flexible storage solutions preferred whenever possible

SPACE NAME

Digital Arts: *Graphic Design*
Production Studio

ROOM FUNCTION

Production studio for graphic design techniques readily accessible to each studio.

SPATIAL CHARACTERISTICS

ROOM SIZE	240 ASF
OCCUPANTS	4 to 6
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Preferred

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet ports[1]
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Card key access
LIGHTING	Fluorescent/LED[2]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Industrial metal shelving (as required) ..... OFOI
Stack cutter on table (4′ × 5′) ..... OFOI
Wall-mounted vertical foam board cutter (8′ × 10′) ..... OFOI
Rolling cutter(s) ..... OFOI
Binding machine(s) ..... OFOI
Flat file(s) ..... OFOI
Toolbox(es) ..... OFOI
Light table (4′ × 3′) ..... OFOI

NOTES

1 Provide electrical outlets and ethernet ports as required to support equipment; verify power requirements during design to ensure adequate electrical service
2 Provide non-glare fluorescent lighting; utilize direct/indirect and task lighting
3 Movable, flexible storage solutions preferred whenever possible

SPACE NAME

Digital Arts: *Graphic Design*
Print Production

ROOM FUNCTION

Print production studio outfitted with small/large format printing and workspace for assembly.

SPATIAL CHARACTERISTICS

ROOM SIZE	240 ASF
OCCUPANTS	4 to 66
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet[1]
TELEPHONE	-
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[2]
LIGHTING	Non-glare fluorescent/LED[3]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Copier/printer (2) ..... OFOI
Laser printer (as required) ..... OFOI
Inkjet printer (as required) ..... OFOI
Large format plotter (as required) ..... OFOI
Mobile, standing height production table
on casters (2; 3′ × 6′) ..... OFOI
Rolling cutter (5′) ..... OFOI

NOTES

1 Provide electrical outlets and ethernet ports to support various printers
2 Room requires visual access from circulation via a window, side lite, or a lite in the door
3 Provide non-glare fluorescent lighting; utilize direct/indirect and task lighting
4 Movable, flexible storage solutions preferred whenever possible

SPACE NAME

Digital Arts: *Graphic Design*
Student Design Agency

ROOM FUNCTION

Office/production space for student design agency.

SPATIAL CHARACTERISTICS

ROOM SIZE	120 ASF
OCCUPANTS	2 to 3
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet[1]
TELEPHONE	Voice over IP[1]
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[2]
LIGHTING	Non-glare fluorescent/LED[3]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Dry erase board/wallcovering (as required) ..... CFCI
Central work table ..... OFOI
Task chairs (3) ..... OFOI
Flat panel display..... OFOI
Industrial metal shelving (as required) ..... OFOI

NOTES

1 Provide an electrical outlet, ethernet port, and telephone outlet on opposite walls to support a computer and telephone; provide convenience electrical outlets along perimeter walls
2 Room requires visual access from circulation via a window, side lite, or a lite in the door
3 Provide non-glare fluorescent lighting; utilize direct/indirect and task lighting

SPACE NAME

Digital Arts: *Graphic Design*
Secure Storage

ROOM FUNCTION

Secured storage space for flat files, supplies, archives, and student work.

SPATIAL CHARACTERISTICS

ROOM SIZE	200 ASF
OCCUPANTS	-
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Preferred

ELECTRICAL/IT

POWER	Standard 120-volt convenience outlets
DATA	WiFi access and ethernet
TELEPHONE	Voice over IP
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[1]
LIGHTING	Non-glare fluorescent/LED[2]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Industrial metal shelving (as required) ..... OFOI
Standing height work table on casters ..... OFOI
Flat files (as required) ..... OFOI
Lockable rolling metal cabinets (as required) ..... OFOI

NOTES

1 Room requires visual access from circulation via a window, side lite, or a lite in the door
2 Provide non-glare fluorescent lighting; utilize direct/indirect and task lighting
3 Movable, flexible storage solutions preferred whenever possible

SPACE NAME

Digital Arts: *Graphic Design*
Spray Booth

ROOM FUNCTION

This small alcove provides an area for using aerosol sprays (spray adhesive, spray fixative) that require ventilation. This space should be accessible to all studios in the *Digital Arts* cluster.

SPATIAL CHARACTERISTICS

ROOM SIZE	24 ASF
OCCUPANTS	-
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Painted GWB
DOOR SIZE	-
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt
DATA	-
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	-
LIGHTING	Fluorescent/LED

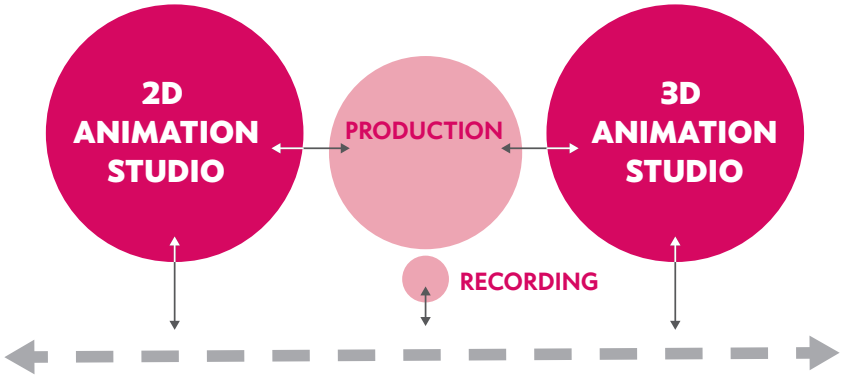
HVAC & PLUMBING

VENTING	Dedicated exhaust/ventilation[1]
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

NOTES

1 Verify containment and venting requirements during the design phase


2D
ANIMATION
STUDIO
PRODUCTION
3D
ANIMATION
STUDIO
RECORDING

SPACE NAME

Digital Arts: *Animation*
2D Animation Studio

ROOM FUNCTION

The 2D animation studio will provide instruction in digital and hands-on approaches to animation including animation concepts and techniques, 2D computer animation, experimental animation, and interactive animation.

SPATIAL CHARACTERISTICS

ROOM SIZE	800 ASF
OCCUPANTS	20 + 1
WALL FINISH	Painted GWB[1]
FLOOR FINISH	Carpet tiles
CEILING FINISH	Open to structure (10-ft. minimum)[2]
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Preferred; clerestory[3]

ELECTRICAL/IT

POWER	Standard 120-volt[4,5]
DATA	WiFi access and ethernet ports[4,5]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Teaching equipment/sound system[5]
SECURITY	Card key access
LIGHTING	Fluorescent/LED[6]

HVAC & PLUMBING

VENTING	Equipment cooling[7]
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Dry erase wallcovering at projection wall..... CFCI
Two-top tables (10; 36" x 72"; tables should be pre-wired for data and power) including: ..... OFOI
- Light tables (20) ..... OFOI
- Cintiq station and small CPU (20)..... OFOI

Industrial metal shelving (as required) ..... OFOI
Movable, adjustable chairs on casters (21)..... OFOI
Scan/print station..... OFOI

Teaching Equipment

Ceiling-mounted data projector..... CFCI
Motorized projection screen ..... CFCI
Speaker(s) ..... CFCI
Instructor station including:
- Lockable media cabinet ..... OFOI
- Document camera..... OFOI
- Laptop connections ..... OFOI
- Cintiq station ..... OFOI
- Light table..... OFOI

NOTES

1 Provide designated critique wall consisting of homasote panels or pin board
2 Provide NRC rating for sound absorption appropriate to an instructional environment
3 Provide room darkening capability
4 Provide electrical outlets and ethernet ports along the perimeter walls and/or in recessed floor boxes at appropriate intervals paying special attention to the locations of the student tables; provide electrical outlets and ethernet ports along the perimeter walls to support Cintiq stations; provide electrical outlets at regular intervals along the perimeter walls for convenience
5 Provide electrical outlets, ethernet, and A/V ports at the ceiling to support the installation of a ceiling-mounted data projector; also provide appropriate wiring and A/V support between the equipment and the controls at the teaching wall or at the teaching station; teaching equipment should include appropriate controls for integrated sound system and high definition video
6 Provide non-glare fluorescent/LED lighting; consider a zoned lighting approach or dimmable lights to provide multiple lighting options with controls either at the teaching wall or at the teaching station
7 Provide adequate cooling and ventilation to accommodate the heat load from multiple computers and other electronic equipment in the room
8 Provide adequate acoustical separation appropriate to a classroom/instructional environment
9 Furniture should be placed such that students do not have to turn more than 90 degrees to face the teaching wall

SPACE NAME

Digital Arts: *Animation*
3D Animation Studio

ROOM FUNCTION

The 3D animation studio will provide instruction in digital approaches to animation including 3D animation, character animation, shading, lighting, rendering, and computer animation for interactive games.

SPATIAL CHARACTERISTICS

ROOM SIZE	800 ASF
OCCUPANTS	20 + 1
WALL FINISH	Painted GWB[1]
FLOOR FINISH	Carpet tiles
CEILING FINISH	Open to structure (10-ft. minimum)[2]
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Required

ELECTRICAL/IT

POWER	Standard 120-volt[3,4]
DATA	WiFi access and ethernet ports[3,4]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Teaching equipment/sound system[4]
SECURITY	Card key access
LIGHTING	Fluorescent/LED[5]

HVAC & PLUMBING

VENTING	Equipment cooling[6]
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Dry erase wallcovering at projection wall..... CFCI
Two-top tables (10; 24" × 72"; tables should be pre-wired for data and power) including: ..... OFOI
- Computers (20)..... OFOI
- Wacom tablets (20) ..... OFOI

Scan/print station..... OFOI
Movable, adjustable chairs on casters (21)..... OFOI

Teaching Equipment

Ceiling-mounted data projector..... CFCI
Motorized projection screen ..... CFCI
Speaker(s) ..... CFCI
Instructor station including:
- Lockable media cabinet ..... OFOI
- Document camera..... OFOI
- Computer ..... OFOI
- Cintiq station ..... OFOI

NOTES

1 Provide designated critique wall consisting of homasote panels or pin board
2 Provide NRC rating for sound absorption appropriate to an instructional environment
3 Provide electrical outlets and ethernet ports along the perimeter walls or in recessed boxes in the floor at appropriate intervals paying special attention to the locations of the student tables; provide electrical outlets at regular intervals along the perimeter walls for convenience
4 Provide electrical outlets, ethernet, and A/V ports at the ceiling to support the installation of a ceiling-mounted data projector; also provide appropriate wiring and A/V support between the equipment and the controls at the teaching wall or at the teaching station; teaching equipment should include appropriate controls for integrated sound system and high definition video
5 Provide non-glare fluorescent/LED lighting; consider a zoned lighting approach or dimmable lights to provide multiple lighting options with controls either at the teaching wall or at the teaching station
6 Provide adequate cooling and ventilation to accommodate the heat load from multiple computers and other electronic equipment in the room
7 Provide adequate acoustical separation appropriate to a classroom/instructional environment
8 Furniture should be placed such that students do not have to turn more than 90 degrees to face the teaching wall

SPACE NAME

Digital Arts: *Animation*
Production Studio

ROOM FUNCTION

Production studio for green screen, motion capture, stop-motion animation, and material storage; space will be a resource for all animation courses.

SPATIAL CHARACTERISTICS

ROOM SIZE	600 ASF
OCCUPANTS	Varies
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure (10-ft. minimum)
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[1,2]
DATA	WiFi access and ethernet[1]
TELEPHONE	-
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Card key access
LIGHTING	Non-glare fluorescent/LED[2]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Hands-on animation station including
copy stand, light table, and computer (3) ..... OFOI
Industrial metal shelving (as required) ..... OFOI
Movable tables (as required)..... OFOI
Movable, adjustable chairs on casters
(as required) ..... OFOI

NOTES

1 Provide electrical outlets and ethernet ports to support hands-on animation stations; provide electrical convenience outlets along perimeter walls for convenience
2 Provide non-glare fluorescent lighting; utilize direct/indirect and task lighting; provide overhead grid for lighting, electrical service, and for hooks/brackets to hang drop-down green screens or blackout screens
3 Room requires visual access from circulation via a window, side lite, or a lite in the door
4 Room should be accessible to both the 2D and 3D studios

SPACE NAME

Digital Arts: *Animation*
Recording Studio

ROOM FUNCTION

Digital audio recording studio for voice-over, sound effects, and scoring animation to accommodate individual and small group use; space will be a resource for all animation courses.

SPATIAL CHARACTERISTICS

ROOM SIZE	120 ASF
OCCUPANTS	2 to 4
WALL FINISH	Painted GWB (dark grey)[1]
FLOOR FINISH	Carpet tiles[1]
CEILING FINISH	Suspended acoustical tile system[1]
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[2]
DATA	WiFi access and ethernet[2]
TELEPHONE	-
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Card key access[3]
LIGHTING	Non-glare fluorescent/LED[4]

HVAC & PLUMBING

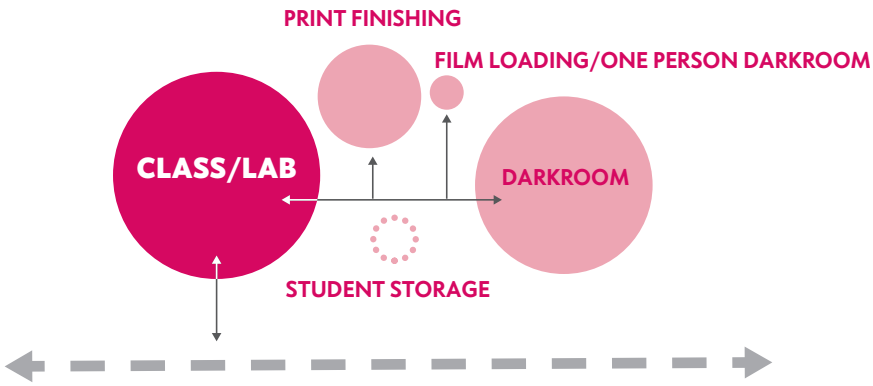
VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Wall-mounted HDTV for voice over and syncing sound effects ..... OFOI
Computer ..... OFOI
Audio recording equipment..... OFOI
Microphone(s) ..... OFOI
Table ..... OFOI
Chairs (4) ..... OFOI

NOTES

1 Provide special soundproofing appropriate to audio recording; also provide special attention to sound separation/isolation
2 Provide electrical outlets and ethernet ports to support editing console; provide electrical convenience outlets along perimeter walls for convenience
3 Room requires visual access from circulation via a window, side lite, or a lite in the door
4 Provide non-glare fluorescent lighting; utilize direct/indirect and task lighting; provide an in-use light just outside the door
5 Room should be adjacent but not directly accessible from both the 2D and 3D studios and production studio


PRINT FINISHING
FILM LOADING/ONE PERSON DARKROOM
CLASS/LAB
DARKROOM
STUDENT STORAGE

SPACE NAME

Digital Arts: *Photography*
Studio

ROOM FUNCTION

Studio space to provide area for photo shoots, green screen, secured storage, and instruction in the fundamentals of working with light both in the studio and on location.

SPATIAL CHARACTERISTICS

ROOM SIZE	800 ASF
OCCUPANTS	20 + 1
WALL FINISH	Painted GWB[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure (10-ft. minimum)[2]
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Preferred; clerestory[3]

ELECTRICAL/IT

POWER	Standard 120-volt[4]
DATA	WiFi access and ethernet ports[4]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Teaching equipment[5]
SECURITY	Card key access
LIGHTING	Fluorescent/LED[6]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Movable tables (as required)..... OFOI
Movable, adjustable chairs on casters (as required) ..... OFOI
Industrial metal shelving (as required) ..... OFOI
Lockable cabinets (as required) ..... OFOI
Backdrop hangers (2)..... OFOI
Flat panel display (60" min.) on a mobile cart..... OFOI

NOTES

1 Provide designated critique wall consisting of magnetic metal panels; backdrop hangers mounted to studio wall to support heavy paper rolls
2 Provide NRC rating for sound absorption appropriate to an instructional environment
3 Provide room darkening capability
4 Provide electrical and data outlets to support a teaching station and at the ceiling to support a data projector; provide electrical outlets at regular intervals along the perimeter walls for convenience; verify power requirements for equipment during design to ensure adequate electrical service
5 Provide appropriate wiring to support the required connections and controls for a data projector at the teaching station
6 Provide non-glare fluorescent/LED lighting zoned to allow adequate lighting across the space and dimmable light at the teaching wall to provide better visibility (lighting controls should be provided at or near the teaching station)

SPACE NAME

Digital Arts: *Photography*
Class Lab

ROOM FUNCTION

The class lab will provide instruction in photography techniques, film developing, paper coating, and print finishing, and visual design elements and concepts; space should be adjacent to dark room and student lockers.

SPATIAL CHARACTERISTICS

ROOM SIZE	700 ASF
OCCUPANTS	20 + 1
WALL FINISH	Painted GWB[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure (10-ft. minimum)[2]
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Preferred

ELECTRICAL/IT

POWER	Standard 120-volt[3]
DATA	WiFi access and ethernet ports[3]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Teaching equipment/sound system[4]
SECURITY	Card key access
LIGHTING	Fluorescent/LED[5]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Movable tables (10 total)..... OFOI
Movable, adjustable chairs on casters (21 total) .. OFOI
Scan/print station..... OFOI
Flat files (as required) ..... OFOI

Teaching Equipment

Ceiling-mounted data projector..... CFCI
Motorized projection screen ..... CFCI
Speaker(s) ..... CFCI
Mobile standing height, instructor station including:
- Lockable media cabinet ..... OFOI
- Document camera..... OFOI
- Laptop connections ..... OFOI

NOTES

1. Provide designated critique wall consisting of magnetic metal panels
2. Provide NRC rating for sound absorption appropriate to an instructional environment
3. Provide electrical and data outlets to support a teaching station and at the ceiling to support a data projector; provide electrical outlets at regular intervals along the perimeter walls for convenience; verify power requirements for equipment during design to ensure adequate electrical service
4. Provide electrical outlets, ethernet, and A/V ports at the ceiling to support the installation of a ceiling-mounted data projector; also provide appropriate wiring and A/V support between the equipment and the controls at the teaching wall or at the teaching station; teaching equipment should include appropriate controls for integrated sound system
5. Provide non-glare fluorescent/LED lighting; consider a zoned lighting approach or dimmable lights to provide multiple lighting options with controls either at the teaching wall or at the teaching station

SPACE NAME

Digital Arts: *Photography*
Student Storage

ROOM FUNCTION

Small alcove for student lockers to store print paper, process paper, and darkroom supplies; adjacent to darkroom and class lab.

SPATIAL CHARACTERISTICS

ROOM SIZE	100 ASF
OCCUPANTS	Varies
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	-
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt convenience outlets
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	-
LIGHTING	Non-glare fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Lockers (45; 24" H x 12" W x 30" D)..... CFCI

NOTES

SPACE NAME

Digital Arts: *Photography*
Print Finishing

ROOM FUNCTION

Space for print finishing; should be located adjacent to darkroom.

SPATIAL CHARACTERISTICS

ROOM SIZE	350 ASF
OCCUPANTS	Varies
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt convenience (GFCI)[1]
DATA	WiFi access and one ethernet port[1]
TELEPHONE	Voice over IP
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Card key access
LIGHTING	Non-glare fluorescent/LED[2]

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[3]
WATER	Hot/cold water[4]
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Utility sink for print finishing and clean-up with sediment trap/chemical separation and an eyewash fixture (2; one which is ADA accessible) ..... CFCI
Drying rack(s) ..... CFCI
Eyewash station ..... CFCI
Standing height counter top with storage below and upper shelves (along one wall) ..... CFCI
Standing height, stainless steel work table ..... OFOI
Flammable/chemical storage cabinets (as required) ..... OFOI
Flat files (as required) ..... OFOI

NOTES

1 Provide electrical outlets and ethernet ports to support print finishing as required; provide electrical convenience outlets along perimeter walls for convenience; verify power requirements during design to ensure adequate electrical service
2 Provide non-glare fluorescent/LED lighting; utilize direct/indirect and task lighting; control over light (including natural light) required for sheet/film printing
3 Provide exhaust/ventilation above print finishing sinks to remove fumes
4 Provide hot and cold water (with capability for precise water temperature control) to utility sinks; provide cold water to eyewash
5 Verify chemical usage and environmental protocols during design

SPACE NAME

Digital Arts: *Photography*
Darkroom

ROOM FUNCTION

Darkroom for film processing and print development.

SPATIAL CHARACTERISTICS

ROOM SIZE	600 ASF
OCCUPANTS	15 + 1
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	Minimum 36-in.[1]
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[2]
DATA	WiFi access and ethernet[2]
TELEPHONE	Voice over IP
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Card key access
LIGHTING	Fluorescent/LED/safe light [1,3]

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[4]
WATER	Hot/cold water[5]
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Trough sink(s) for film development/processing with silver trap in the center of the room to allow for access from both sides (minimum 12 linear feet × 4′; sink depth of 6″ to 8″)..... CFCI
Shelf for chemicals/tank storage ..... CFCI
Englarger stations including enlarger and timer at the perimeter(s) of the room (15)..... OFOI

NOTES

1 Provide light trap and in-use light at entry
2 Provide electrical outlets and ethernet ports along perimeter walls to support film enlargers (minimum one duplex electrical outlet per enlarger); verify power requirements during design to ensure adequate electrical service
3 Provide separate switching for safe light and general fluorescent/LED lighting; safe light switch should be connected to the in-use light outside the door
4 Provide exhaust/ventilation above film developing/processing sink(s) to remove fumes
5 Provide hot and cold water to sink(s) with precise water temperature controls and temperature gauge
6 Verify chemical usage and environmental protocols during design

SPACE NAME

Digital Arts: *Photography*
Digital Darkroom

ROOM FUNCTION

The digital darkroom will provide instruction in traditional and alternative digital photographic printing and mixed media processes.

SPATIAL CHARACTERISTICS

ROOM SIZE	600 ASF
OCCUPANTS	20 + 1
WALL FINISH	Painted GWB[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure (10-ft. minimum)[2]
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Required; clerestory preferred

ELECTRICAL/IT

POWER	Standard 120-volt[3,4]
DATA	WiFi access and ethernet ports[3,4]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Teaching equipment[4]
SECURITY	Card key access
LIGHTING	Fluorescent/LED[5]

HVAC & PLUMBING

VENTING	Equipment cooling[6]
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Computer station with medium format printer (10; 48" wide workspace per station; 2 of the stations should be equipped with scanner) ..... OFOI
Movable tables (10 total)..... OFOI
Movable, adjustable chairs on casters (21 total) .. OFOI

Teaching Equipment

Ceiling-mounted data projector..... CFCI
Motorized projection screen ..... CFCI
Mobile standing height, instructor station including:
Laptop connection ..... OFOI

NOTES

1 Provide designated critique wall consisting of magnetic metal panels
2 Provide NRC rating for sound absorption appropriate to an instructional environment
3 Provide electrical outlets and ethernet ports along the perimeter walls at appropriate intervals paying special attention to the locations of the computer stations; provide electrical outlets at regular intervals along the perimeter walls for convenience
4 Provide electrical outlets, ethernet, and A/V ports at the ceiling to support the installation of a ceiling-mounted data projector; also provide appropriate wiring and A/V support between the equipment and the controls at the teaching wall or at the teaching station
5 Provide non-glare fluorescent/LED lighting; consider a zoned lighting approach or dimmable lights to provide multiple lighting options with controls either at the teaching wall or at the teaching station
6 Provide adequate cooling and ventilation to accommodate the heat load from multiple computers and other electronic equipment in the room
7 Provide adequate acoustical separation appropriate to a classroom/instructional environment

SPACE NAME

Digital Arts: *Photography*
Mural Printer/Labbie Alcove

ROOM FUNCTION

A secure alcove for the mural printers and a lab tech station and located adjacent to the digital darkroom.

SPATIAL CHARACTERISTICS

ROOM SIZE	200 ASF
OCCUPANTS	1
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure (10-ft. minimum)
DOOR SIZE	Minimum 36-in.
EXTERIOR ACCESS	-
NATURAL LIGHT	Preferred; clerestory

ELECTRICAL/IT

POWER	Standard 120-volt[2]
DATA	WiFi access and ethernet ports[2]
TELEPHONE	Voice over IP
AUDIO/VISUAL	-
SECURITY	Card key access
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	Equipment cooling[3]
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Labbie workstation with computer and printer .... OFOI
Mural printers (2) ..... OFOI

NOTES

1 Provide designated critique wall consisting of magnetic metal panels
2 Provide electrical outlets and ethernet ports along the perimeter walls at appropriate intervals paying special attention to the locations of the computer stations and printers; provide electrical outlets at regular intervals along the perimeter walls for convenience
3 Provide adequate cooling and ventilation to accommodate the heat load from multiple computers and other electronic equipment in the room

SPACE NAME

Digital Arts: *Photography*
Film Loading/One-Person Darkroom

ROOM FUNCTION

Small darkroom for large format film development and film loading.

SPATIAL CHARACTERISTICS

ROOM SIZE	80 ASF
OCCUPANTS	1
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure
DOOR SIZE	Minimum 36-in.[1]
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[2]
DATA	WiFi access and ethernet[2]
TELEPHONE	-
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Card key access
LIGHTING	Fluorescent/LED/safe light [1,3]

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[4]
WATER	Hot/cold water[5]
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Built-in base cabinets and countertop with a sink (minimum 20" × 24" × 8" with a silver trap) and upper cabinets/shelving..... CFC1

NOTES

1 Provide in-use light at entry
2 Provide convenience electrical outlets and ethernet ports along perimeter walls
3 Provide separate switching for safe light and general fluorescent/LED lighting; safe light switch should be connected to the in-use light outside the door
4 Provide exhaust/ventilation above film developing/processing sink to remove fumes
5 Provide hot and cold water to sink with precise water temperature controls and temperature gauge
6 Verify chemical usage and environmental protocols during design

MULTIPURPOSE

The multipurpose studios are included as upper-level senior studios for independent study, but remain as flexible studios to accommodate future growth in any given discipline or future Master of Fine Arts program.

MULTIPURPOSE	QUANTITY/SIZE OF SPACE(S)	ASF
Studio	2 @ 800 ASF	1,600
TOTAL MULTIPURPOSE		**1,600**

SPACE NAME

Multipurpose
Studios (2)

ROOM FUNCTION

The multipurpose studios will provide space for upper level, individual study in student's choice of media (drawing, painting, sculpture, multimedia). The studios will provide flexibility as the department grows into graduate level coursework.

SPATIAL CHARACTERISTICS

ROOM SIZE	800 ASF each
OCCUPANTS	20 + 1 each
WALL FINISH	Painted GWB + ¾" plywood backing[1]
FLOOR FINISH	Polished concrete
CEILING FINISH	Open to structure (16-ft. minimum)[2]
DOOR SIZE	Minimum 72-in. (double doors)
EXTERIOR ACCESS	-
NATURAL LIGHT	Required; clerestory preferred

ELECTRICAL/IT

POWER	Standard 120-volt[3]
DATA	WiFi access and ethernet ports[3]
TELEPHONE	Voice over IP
AUDIO/VISUAL	Teaching equipment[4]
SECURITY	Card key access
LIGHTING	Fluorescent/LED[5]

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[6]
WATER	Hot/cold water[7]
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Utility sink with eyewash fixture (1 each, 2 total; is ADA accessible) ..... CFCI
Movable tables (as required)..... OFOI
Chairs or stools (as required) ..... OFOI
Industrial metal shelving (as required) ..... OFOI
Flammable storage cabinet (as required)..... OFOI
Movable room dividers to subdivide space..... OFOI

Teaching Equipment

Ceiling-mounted data projector..... CFCI
Motorized projection screen ..... CFCI
Movable instructor station including:
- Lockable media cabinet ..... OFOI
- Table mounted document camera ..... OFOI
- Computer ..... OFOI

NOTES

1 GWB walls should be backed with ¾" plywood to allow hanging heavy art pieces; provide designated critique wall consisting of magnetic metal panels
2 Provide NRC rating for sound absorption appropriate to an instructional environment
3 Provide electrical and data outlets to support a teaching station and at the ceiling to support a data projector; provide electrical outlets at regular intervals along the perimeter walls for convenience; verify power requirements for equipment during design to ensure adequate electrical service
4 Provide appropriate wiring to support the required connections and controls for a data projector at the teaching station
5 Provide non-glare fluorescent/LED lighting zoned to allow adequate lighting across the space and dimmable light at the teaching wall to provide better visibility (lighting controls should be provided at or near the teaching station)
6 Provide additional exhaust/ventilation for fumes from solvents and paint
7 Provide hot and cold water to utility sinks; cold water to eyewash fixture

DIRECTOR'S SUITE

Administration spaces in the new Art Complex will be limited to faculty offices and a Director's suite. The Director's suite will consist of a waiting area, a workstation for reception, one Director's office, two offices for administrative support, and a centrally located workroom with coffee service that opens off a general building corridor.

DIRECTOR'S SUITE	QUANTITY/SIZE OF SPACE(S)	ASF
Waiting Area	4 @ 25 ASF	100
Receptionist	1 @ 80 ASF	80
Offices		
Director's Office	1 @ 180 ASF	180
Assistant to the Director	1 @ 120 ASF	120
Administrative Associate	1 @ 120 ASF	120
Support		
Workroom	1 @ 200 ASF	200
Storage Room	1 @ 120 ASF	120
Allowance for Internal Circulation	*30%*	*276*
TOTAL DIRECTOR'S SUITE		1,196

SPACE NAME

Director's Suite
Waiting Area

ROOM FUNCTION

Waiting area for visitors to the Director's Suite

SPATIAL CHARACTERISTICS

ROOM SIZE	100 ASF
OCCUPANTS	Up to 4
WALL FINISH	Painted GWB
FLOOR FINISH	Carpet tiles
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	36 in. wide (minimum)
EXTERIOR ACCESS	-
NATURAL LIGHT	Preferred

ELECTRICAL/IT

POWER	Standard 120-volt convenience outlets
DATA	WiFi access
TELEPHONE	Voice over IP
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	-
LIGHTING	Non-glare fluorescent/LED[1]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Lounge seating (for up to four people) ..... OFOI
End table ..... OFOI

NOTES

1 Provide non-glare, direct/indirect lighting; utilize task lighting as required

SPACE NAME

Director's Suite
Receptionist

ROOM FUNCTION

Workstation for a receptionist in the reception area

SPATIAL CHARACTERISTICS

ROOM SIZE	80 ASF
OCCUPANTS	1
WALL FINISH	-
FLOOR FINISH	Carpet tiles
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	-
EXTERIOR ACCESS	-
NATURAL LIGHT	Preferred

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet[1]
TELEPHONE	Voice over IP[1]
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	-
LIGHTING	Non-glare fluorescent/LED[2]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Modular workstation ..... OFOI
Task chair ..... OFOI
Side chairs (2) ..... OFOI
Lateral file cabinet ..... OFOI
Computer ..... OFOI
Desktop printer ..... OFOI

NOTES

1 Provide an electrical outlet, ethernet port, and telephone outlet on opposite walls to support a computer, a telephone, and a desktop printer
2 Provide non-glare, direct/indirect lighting; utilize task lighting as required

SPACE NAME

Director's Suite
Director's Office

ROOM FUNCTION

Private office for the Director

SPATIAL CHARACTERISTICS

ROOM SIZE	180 ASF
OCCUPANTS	1
WALL FINISH	Painted GWB
FLOOR FINISH	Carpet tiles
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	36 in. wide (minimum)
EXTERIOR ACCESS	-
NATURAL LIGHT	Required

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet[1]
TELEPHONE	Voice over IP[1]
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[2]
LIGHTING	Non-glare fluorescent/LED[3]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Dry erase board/wallcovering (as required) ..... CFCI
Executive desk ..... OFOI
Executive chair ..... OFOI
Small round table..... OFOI
Side chairs (3) ..... OFOI
Lateral file cabinet ..... OFOI
Computer ..... OFOI
Desktop printer ..... OFOI

NOTES

1 Provide an electrical outlet, ethernet port, and telephone outlet on opposite walls to support a computer, a telephone, and a desktop printer
2 Room requires visual access from circulation via a window, side lite, or a lite in the door
3 Provide non-glare, direct/indirect lighting; utilize task lighting as required

SPACE NAME

Director's Suite
Assistant to the Director
Administrative Associate

ROOM FUNCTION

Private offices for the Assistant to the Director and an administrative associate

SPATIAL CHARACTERISTICS

ROOM SIZE	120 ASF each
OCCUPANTS	1 each
WALL FINISH	Painted GWB
FLOOR FINISH	Carpet tiles
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	36 in. wide (minimum)
EXTERIOR ACCESS	-
NATURAL LIGHT	Required

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet[1]
TELEPHONE	Voice over IP[1]
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[2]
LIGHTING	Non-glare fluorescent/LED[3]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Dry erase board/wallcovering (as required) ..... CFCI
L-shaped desk (1 each; 2 total) ..... OFOI
Task chair (1 each; 2 total) ..... OFOI
Side chairs (2 each; 4 total) ..... OFOI
Lateral file cabinet (1 each; 2 total) ..... OFOI
Computer (1 each; 2 total) ..... OFOI
Desktop printer (1 each; 2 total) ..... OFOI

NOTES

1 Provide an electrical outlet, ethernet port, and telephone outlet on opposite walls to support a computer, a telephone, and a desktop printer
2 Room requires visual access from circulation via a window, side lite, or a lite in the door
3 Provide non-glare, direct/indirect lighting; utilize task lighting as required

SPACE NAME

Director's Suite
Workroom

ROOM FUNCTION

Provides an area for shared office equipment and supplies and a break room with coffee service

SPATIAL CHARACTERISTICS

ROOM SIZE	200 ASF
OCCUPANTS	Varies
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	36 in. wide (minimum)
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet[1]
TELEPHONE	Voice over IP[1]
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[2]
LIGHTING	Non-glare fluorescent/LED[3]

HVAC & PLUMBING

VENTING	-
WATER	Hot and cold water at sink
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Built-in base cabinets with a counter, a sink, and upper cabinets ..... CFCI
Dry erase board/wallcovering (as required) ..... CFCI
Mailboxes (as required) ..... CFCI
Table and chairs ..... OFOI
Copier/printer ..... OFOI
Fax machine/scanner ..... OFOI
Coffee maker ..... OFOI
Microwave ..... OFOI
Refrigerator ..... OFOI

NOTES

1 Provide convenience electrical outlets and ethernet ports along the perimeter walls and along counter tops paying special attention to possible locations for office equipment; provide a dedicated electrical circuit and a ethernet port for a copier/printer; provide a dedicated circuit for the refrigerator
2 Room requires visual access from circulation via a window, side lite, or a lite in the door
3 Provide non-glare, direct/indirect lighting; utilize task lighting as required

SPACE NAME

Director's Suite
Storage Room

ROOM FUNCTION

General storage room for office supplies

SPATIAL CHARACTERISTICS

ROOM SIZE	120 ASF
OCCUPANTS	-
WALL FINISH	Painted GWB
FLOOR FINISH	Carpet tiles
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	36 in. wide (minimum)
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt convenience outlets
DATA	WiFi access and ethernet
TELEPHONE	Voice over IP
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[1]
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Industrial metal shelving..... OFOI

NOTES

1 Room requires visual access from circulation via a window, side lite, or a lite in the door
2 Configure to allow for future conversion to an office

MATCH | *Midtown Arts and Theater Center Houston, Houston,* TX

ACADEMIC OFFICES

Offices for full-time faculty are allocated for Foundations, Graphic Design, Animation, Studio Art, Photography, Art History, and Art Education. Offices should be grouped into two or three clusters that are easilty accessible to instructional studios. A faculty resource room for adjunct professors and graduate students is also included. These faculty and administration areas will ensure strong faculty presence in the new facility.

ACADEMIC OFFICES	QUANTITY/SIZE OF SPACE(S)	ASF
Faculty Resource Room	1 @ 600 ASF	600
Foundations		
Coordinator	1 @ 120 ASF	120
Faculty Office	5 @ 120 ASF	600
Graphic Design		
Coordinator	1 @ 120 ASF	120
Faculty Office	3 @ 120 ASF	360
Animation		
Coordinator	1 @ 120 ASF	120
Faculty Office	3 @ 120 ASF	360
Studio Art		
Coordinator	1 @ 120 ASF	120
Faculty Office	6 @ 120 ASF	720
Photography		
Coordinator	1 @ 120 ASF	120
Faculty Office	2 @ 120 ASF	240
Art History and Art Education		
Coordinator	1 @ 120 ASF	120
Faculty Office	3 @ 120 ASF	360
Digital Staff Technician	1 @ 120 ASF	120
Future Faculty Offices	6 @ 120 ASF	720
TOTAL ACADEMIC OFFICES		4,800

SPACE NAME

Academic Offices

Faculty Resource Room

ROOM FUNCTION

Small office/work area including private meeting rooms, coffee service, and storage space for use by adjunct faculty when on campus

SPATIAL CHARACTERISTICS

ROOM SIZE	600 ASF
OCCUPANTS	Varies
WALL FINISH	Painted GWB/dry erase wallcovering
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	36 in. wide (minimum)
EXTERIOR ACCESS	-
NATURAL LIGHT	Required

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet[1]
TELEPHONE	Voice over IP[1]
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[2]
LIGHTING	Non-glare fluorescent/LED[3]

HVAC & PLUMBING

VENTING	-
WATER	Hot and cold water at sink/refrigerator
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Built-in base cabinets with a counter, a sink, and upper cabinets ..... CFCI
Dry erase board/wallcovering (as required) ..... CFCI
Lockers (as required) ..... CFCI
Microwave ..... OFOI
Residential-grade refrigerator ..... OFOI
Coffee maker ..... OFOI
Workstations (as required) ..... OFOI
Tables and chairs (as required in meeting rooms) . OFOI

NOTES

1 Provide convenience electrical outlets and ethernet ports along the perimeter walls and along counter tops paying special attention to possible locations for small kitchen equipment; provide a dedicated circuit for a refrigerator
2 Room requires visual access from circulation via a window, side lite, or a lite in the door
3 Provide non-glare, direct/indirect lighting; utilize task lighting as required

SPACE NAME

Academic Offices
Coordinators (5)
Faculty Offices (29)
Digital Staff Technician

ROOM FUNCTION

Private offices for coordinators, faculty, and a digital staff technician

SPATIAL CHARACTERISTICS

ROOM SIZE	120 ASF each
OCCUPANTS	1 each
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	36 in. wide (minimum)
EXTERIOR ACCESS	-
NATURAL LIGHT	Required

ELECTRICAL/IT

POWER	Standard 120-volt[1]
DATA	WiFi access and ethernet[1]
TELEPHONE	Voice over IP[1]
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock[2]
LIGHTING	Non-glare fluorescent/LED[3]

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Dry erase board/wallcovering (as required) ..... CFCI
L-shaped desk (1 each; 35 total) ..... OFOI
Task chair (1 each; 35 total) ..... OFOI
Side chairs (2 each; 70 total) ..... OFOI
Lateral file cabinet (1 each; 35 total) ..... OFOI
Computer (1 each; 35 total) ..... OFOI
Desktop printer (1 each; 35 total) ..... OFOI

NOTES

1. Provide an electrical outlet, ethernet port, and telephone outlet on opposite walls to support a computer, a telephone, and a desktop printer
2. Room requires visual access from circulation via a window, side lite, or a lite in the door
3. Provide non-glare, direct/indirect lighting; utilize task lighting as required

BUILDING SUPPORT

Spaces programmed for building support include general rooms that are required for successful operation of the overall facility. Overall building support will require a lactation room and a storage/receiving area.

BUILDING SUPPORT	QUANTITY/SIZE OF SPACE(S)	ASF
Lactation Room	1 @ 100 ASF	100
Storage/Receiving	1 @ 200 ASF	200
TOTAL BUILDING SUPPORT		**300**

SPACE NAME

Building Support
Lactation Room

ROOM FUNCTION

Provides a private area for nursing mothers (students, faculty, or staff) to retreat to a quiet, closed room to pump. The space should provide a calm restful environment with all the required elements for efficiency and safety. Refer to the AIA Design Guide in the appendix for further information.

SPATIAL CHARACTERISTICS

ROOM SIZE	100 ASF
OCCUPANTS	1
WALL FINISH	Painted GWB
FLOOR FINISH	Polished concrete
CEILING FINISH	Suspended acoustical tile system
DOOR SIZE	36 in. wide
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt convenience outlets
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	Hot and cold water at sink
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Base cabinets and counter with a work surface and a sink..... CFC1
Task chair on casters..... OFO1

NOTES

SPACE NAME

Building Support
Storage/Receiving

ROOM FUNCTION

Provides a short term storage/receiving area at the dock for deliveries.

SPATIAL CHARACTERISTICS

ROOM SIZE	200 ASF
OCCUPANTS	-
WALL FINISH	Unfinished CMU/GWB
FLOOR FINISH	Sealed concrete
CEILING FINISH	Open to structure
DOOR SIZE	72 in. wide (double doors)
EXTERIOR ACCESS	-
NATURAL LIGHT	-

ELECTRICAL/IT

POWER	Standard 120-volt convenience outlets
DATA	WiFi access
TELEPHONE	-
AUDIO/VISUAL	-
SPECIAL WIRING	-
SECURITY	Standard door lock
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	-
FLOOR DRAIN	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Industrial metal shelving..... CFCI
Pallets ..... OFOI
Storage racks ..... OFOI

NOTES

COVERED EXTERIOR SPACES

Several covered exterior spaces are included in the program to support art instruction: a covered *porch* for sculpture, an outdoor kiln area for ceramics, a silkscreen wash area for printmaking, and a covered *porch* for WASH. The sculpture covered *porch* is included to accommodate necessary fabrication space for large work. This area includes welding stations, a foundry, casting pit, a gas furnace, and a gas forge. This space should be accessible via overhead rolling doors from both the wood shop and metal shop. The outdoor kiln area will house up to four, large natural gas kilns and include space for a utility sink, hose bibb, and work tables. This area should be accessible via overhead rolling doors from the kiln room. The silkscreen wash area should be located off the main printmaking studio and will provide a large dedicated space for wash-down. Finally, the WASH covered *porch*—located via overhead rolling doors from the main studio space—will accommodate *dirty* work and provide outdoor workspace for large scale projects.

COVERED EXTERIOR SPACES	QUANTITY/SIZE OF SPACE(S)	SF
Sculpture Covered Porch	1 @ 1,200 SF	1,200
Outdoor Ceramics Kiln Area	1 @ 600 SF	600
Printmaking Silkscreen Wash Area	1 @ 200 SF	200
WASH Covered Porch	1 @ 1,000 SF	1,000
TOTAL COVERED EXTERIOR SPACES		**3,000**
TOTAL COVERED EXTERIOR SPACES *(@ 50%)*		**1,500**

SPACE NAME

Covered Exterior Spaces
Sculpture Covered Porch

ROOM FUNCTION

Covered exterior workspace to support studio instruction in sculpture methods and techniques.

SPATIAL CHARACTERISTICS

ROOM SIZE	1,200 ASF
OCCUPANTS	Varies
WALL FINISH	-
FLOOR FINISH	Sealed concrete
CEILING FINISH	Open to structure (20-ft. minimum)
DOOR SIZE	Roll-up door with chain hoist[1]

ELECTRICAL/IT

POWER	Standard 120-volt + 240-volt[2]
DATA	WiFi access and ethernet ports[2]
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Locked gate with secure perimeter
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[3]
WATER	Hot/cold water[4]
FLOOR DRAIN	Yes, near hose bibbs
PIPED SERVICES	Compressed air; natural gas[5]

FURNISHINGS, FIXTURES, & EQUIPMENT

Utility sink ..... CFCI
Safety station with shower, eyewash, and fire extinguisher ..... CFCI
Hose bibbs (2) ..... CFCI
Overhead large ceiling fan(s) ..... CFCI
Metal work tables (as required) ..... OFOI
Lockable metal cabinets (as required) ..... OFOI
Industrial metal shelving (as required) ..... OFOI
Plasma cutter station (stored inside, but used outside) ..... OFOI

Fixed Equipment

Sand blaster ..... OFOI
Air compressor ..... OFOI
Air hammer ..... OFOI
Vise stations (3) ..... OFOI
Gas forge (2) ..... OFOI
Gas furnace ..... OFOI
Foundry pit (40" x 80") ..... OFOI
Air grinding wheels (2) ..... OFOI

Other Equipment

MIG welder station with screen (2) ..... OFOI
TIG welder station with screen ..... OFOI
Oxygen acetylene welding station with fire brick bench ..... OFOI
Metal chop saw ..... OFOI

NOTES

1 Provide roll-up door with chain hoist into the nearby studio; ensure adequate access from exterior via a large gate or similar
2 Provide electrical outlets at regular intervals along the perimeter walls for convenience; provide overhead electrical and data service cord reels; 240-volt power will be required in this space; verify power requirements for equipment during design to ensure adequate electrical service; provide emergency power shut-off
3 Provide vent hood above all welding stations
4 Provide hot and cold water to utility sink; provide cold water to safety station and hose bibbs
5 Provide access to natural gas for forge and foundry pit and compressed air as needed to support equipment and for clean-up
6 Oxygen and acetylene cylinder storage must be provided; maintain code compliance with regards to proper separation of tanks for storage
7 Foundry pit will require a hole in the exterior slab; provide ledge around pit to cover with metal grates when not in use; the foundry pit should be located approximately 2'-0" from the furnance
8 Verify chemical usage and environmental protocols during design

SPACE NAME

Covered Exterior Spaces
Outdoor Ceramics Kiln Area

ROOM FUNCTION

Covered exterior kiln area to support ceramics studio.

SPATIAL CHARACTERISTICS

ROOM SIZE	600 ASF
OCCUPANTS	Varies
WALL FINISH	-
FLOOR FINISH	Sealed concrete
CEILING FINISH	Open to structure (20-ft. minimum)
DOOR SIZE	Roll-up door with chain hoist[1]

ELECTRICAL/IT

POWER	Standard 120-volt + 240-volt[2]
DATA	WiFi access and ethernet ports[2]
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Locked gate with secure perimeter
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	Local exhaust/ventilation[3]
WATER	Hot/cold water[4]
FLOOR DRAIN	Yes
PIPED SERVICES	Compressed air; natural gas[5]

FURNISHINGS, FIXTURES, & EQUIPMENT

Utility sink ..... CFCI
Hose bibb ..... CFCI
Overhead large ceiling fan(s) ..... CFCI
Metal tables (as required) ..... OFOI
Industrial metal shelving (as required) ..... OFOI

Fixed Equipment

Natural gas kilns (2; could be up to 4 in the future) ..... OFOI

NOTES

1. Provide roll-up door with chain hoist into the nearby studio; ensure adequate access from exterior via a large gate or similar
2. Provide electrical outlets at regular intervals along the perimeter walls for convenience; verify power requirements for equipment during design to ensure adequate electrical service
3. Provide vent hood above kilns as needed
4. Provide hot and cold water to utility sink; provide cold water to hose bibb
5. Provide access to natural gas for kilns (provide adequate connections to serve up to four kilns); provide compressed air as needed for equipment and clean-up
6. Verify chemical usage and environmental protocols during design

SPACE NAME

Covered Exterior Spaces
Printmaking Silkscreen Wash Area

ROOM FUNCTION

Provides a dedicated outdoor area for wash-down outside the printmaking studios.

SPATIAL CHARACTERISTICS

ROOM SIZE	200 ASF
OCCUPANTS	Varies
WALL FINISH	-
FLOOR FINISH	Sealed concrete
CEILING FINISH	Open to structure (20-ft. minimum)
DOOR SIZE	36 in. wide into studio[1]

ELECTRICAL/IT

POWER	Standard 120-volt + 240-volt[2]
DATA	WiFi access and ethernet ports[2]
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Locked gate with secure perimeter
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	Hot/cold water[3]
FLOOR DRAIN	Yes
PIPED SERVICES	-

FURNISHINGS, FIXTURES, & EQUIPMENT

Utility sink ..... CFCI
Hose bibb ..... CFCI

NOTES

1 Provide door into studio; ensure adequate access from exterior via gate or similar
2 Provide electrical outlets at regular intervals along the perimeter walls for convenience
3 Provide hot and cold water to utility sink; provide cold water to hose bibb
4 Verify chemical usage and environmental protocols during design

SPACE NAME

Covered Exterior Spaces
WASH Covered Porch

ROOM FUNCTION

Provides outdoor work area for *dirty* work and large-scale projects.

SPATIAL CHARACTERISTICS

ROOM SIZE	1,000 ASF
OCCUPANTS	Varies
WALL FINISH	-
FLOOR FINISH	Sealed concrete
CEILING FINISH	Open to structure (20-ft. minimum)
DOOR SIZE	Roll-up door with chain hoist[1]

ELECTRICAL/IT

POWER	Standard 120-volt[2]
DATA	WiFi access and ethernet ports[2]
TELEPHONE	-
AUDIO/VISUAL	-
SECURITY	Locked gate
LIGHTING	Fluorescent/LED

HVAC & PLUMBING

VENTING	-
WATER	Hot/cold water[3]
FLOOR DRAIN	Yes
PIPED SERVICES	Compressed air[4]

FURNISHINGS, FIXTURES, & EQUIPMENT

Utility sink ..... CFCI
Hose bibb ..... CFCI
Overhead large ceiling fan(s) ..... CFCI
Spray booth ..... CFCI
Metal tables (as required) ..... OFOI
Industrial metal shelving (as required) ..... OFOI

NOTES

1 Provide roll-up door with chain hoist into the nearby studio; ensure adequate access from exterior via a large gate or similar
2 Provide electrical outlets at regular intervals along the perimeter walls for convenience; verify power requirements for equipment during design to ensure adequate electrical service
3 Provide hot and cold water to utility sink; provide cold water to hose bibb
4 Provide compressed air as needed for equipment and clean-up
5 Verify chemical usage and environmental protocols during design

SPECIAL REQUIREMENTS FOR NON-ASSIGNABLE SPACES

Several spaces must be included in the building which are not considered as assignable space. These spaces include general building circulation, mechanical rooms, restrooms, utility/telephone/network closets, and other infrastructure and support spaces which may result from the final building design.

PROJECT COST

PROJECT COST

THE TEXAS STATE UNIVERSITY SYSTEM CAPITAL improvement program process requires that project cost estimates be prepared at various stages throughout project development. During programming, the scope and budget are balanced to ensure the project can be bid and awarded within the budget. Additional estimates are then prepared at planned intervals throughout the design process. The full programming estimate is provided in the appendix.

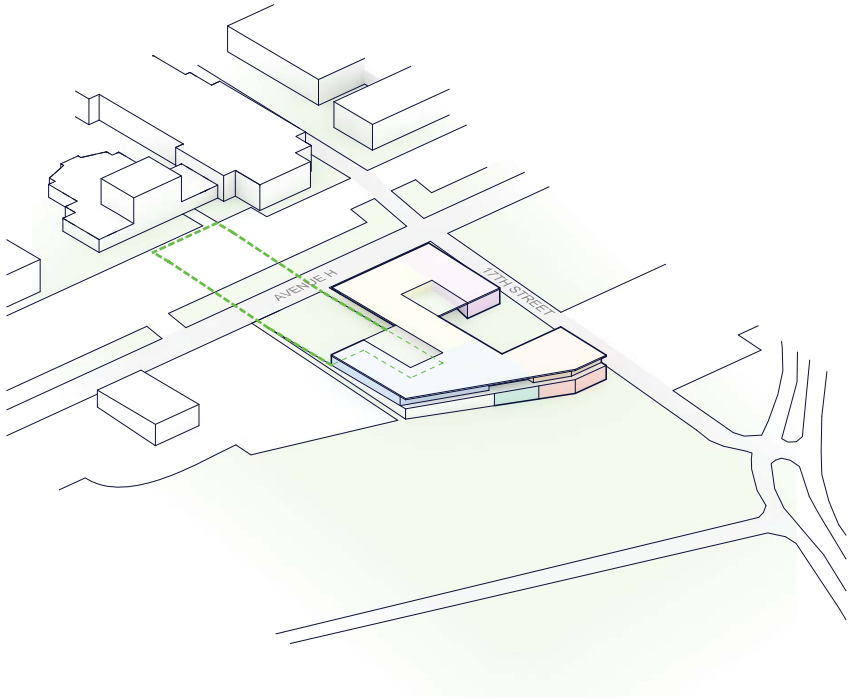
DESCRIPTION		
Estimate CCL (Construction Cost Limitation)	$	26,486,448
Construction Contingency (5%)	$	1,324,322
CCL Reported	**$**	**27,810,770**
Pre-Construction Services (0.25%)	$	69,527
A-E Services (8%)	$	2,224,862
FF&E (8%)	$	2,224,862
A/V and Data (5%)	$	1,390,539
Owner Services (2%)	$	556,215
Management Fees (3%)	$	834,323
Project Contingency (5%)	$	1,390,539
Landscaping (included in estimate)	$	-
Art (1%)	$	368,703
TOTAL PROJECT COST (TPC)	**$**	**36,870,339**

APPENDIX A: CONCEPT PROGRAMMING (ROGERS PARTNERS)

SAM HOUSTON STATE UNIVERSITY

ART COMPLEX

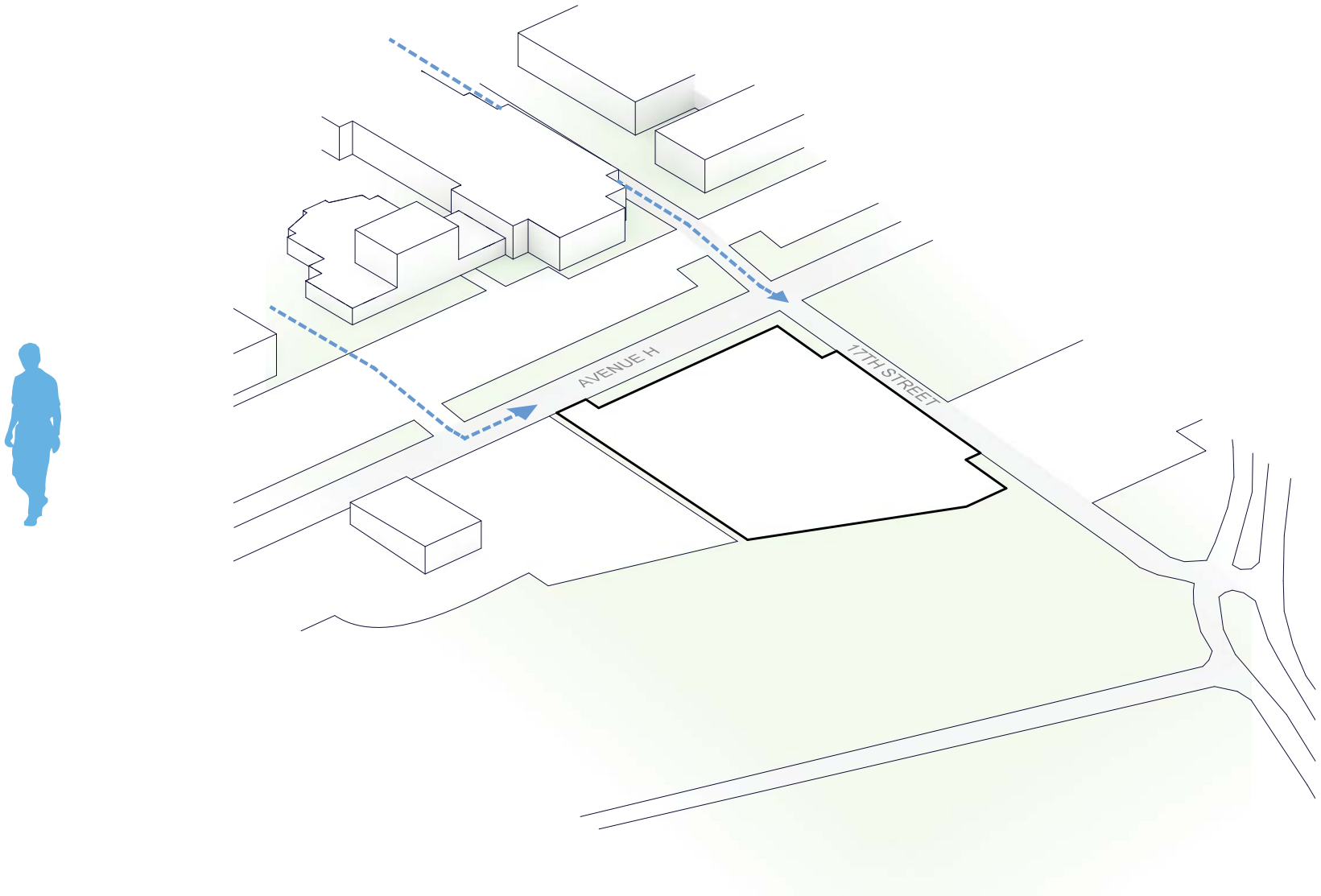
CONCEPT PROGRAMMING
APRIL 6, 2016



ROGERSPARTNERS
Architects+Urban Designers

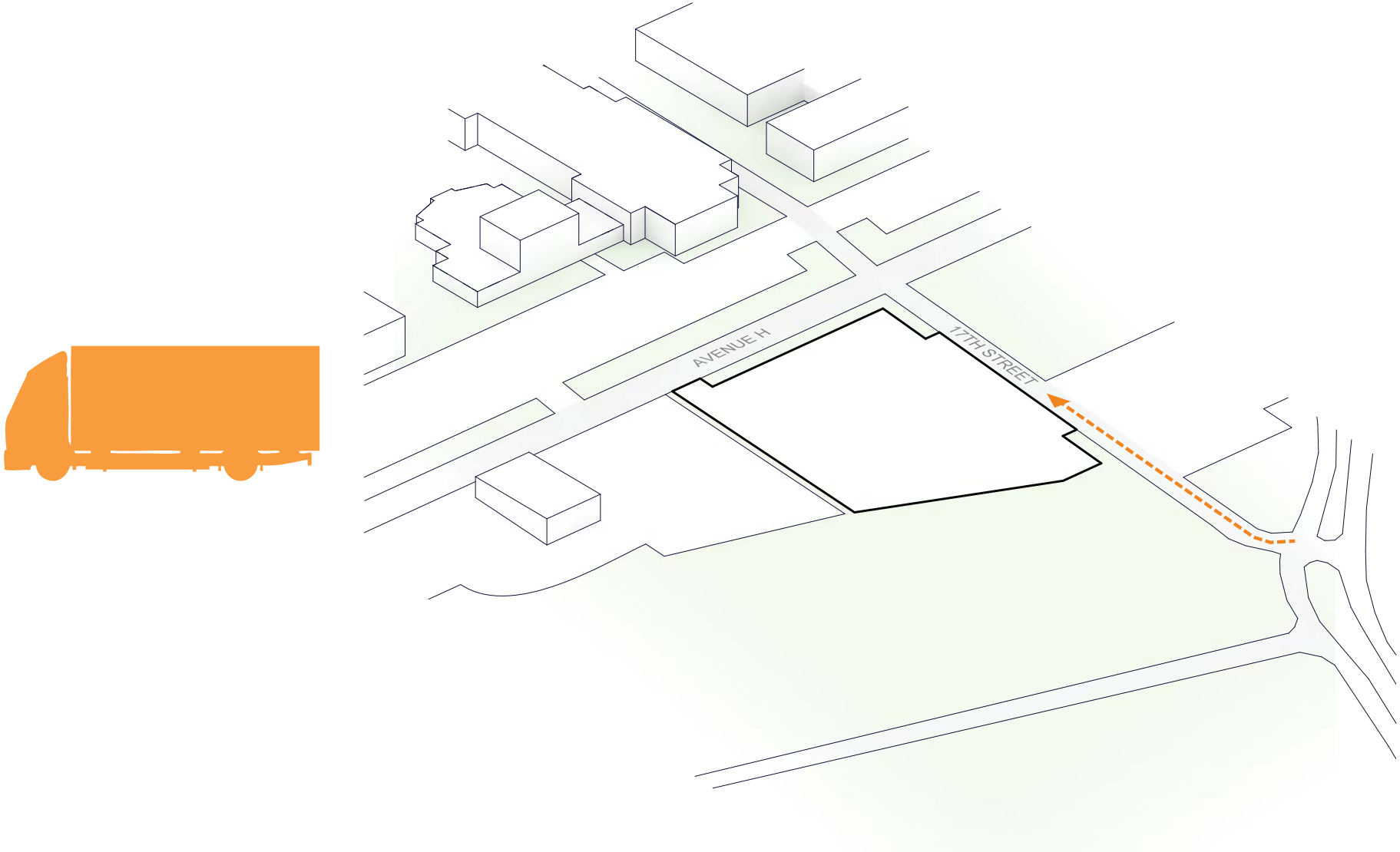
SITE

PEDESTRIAN APPROACH



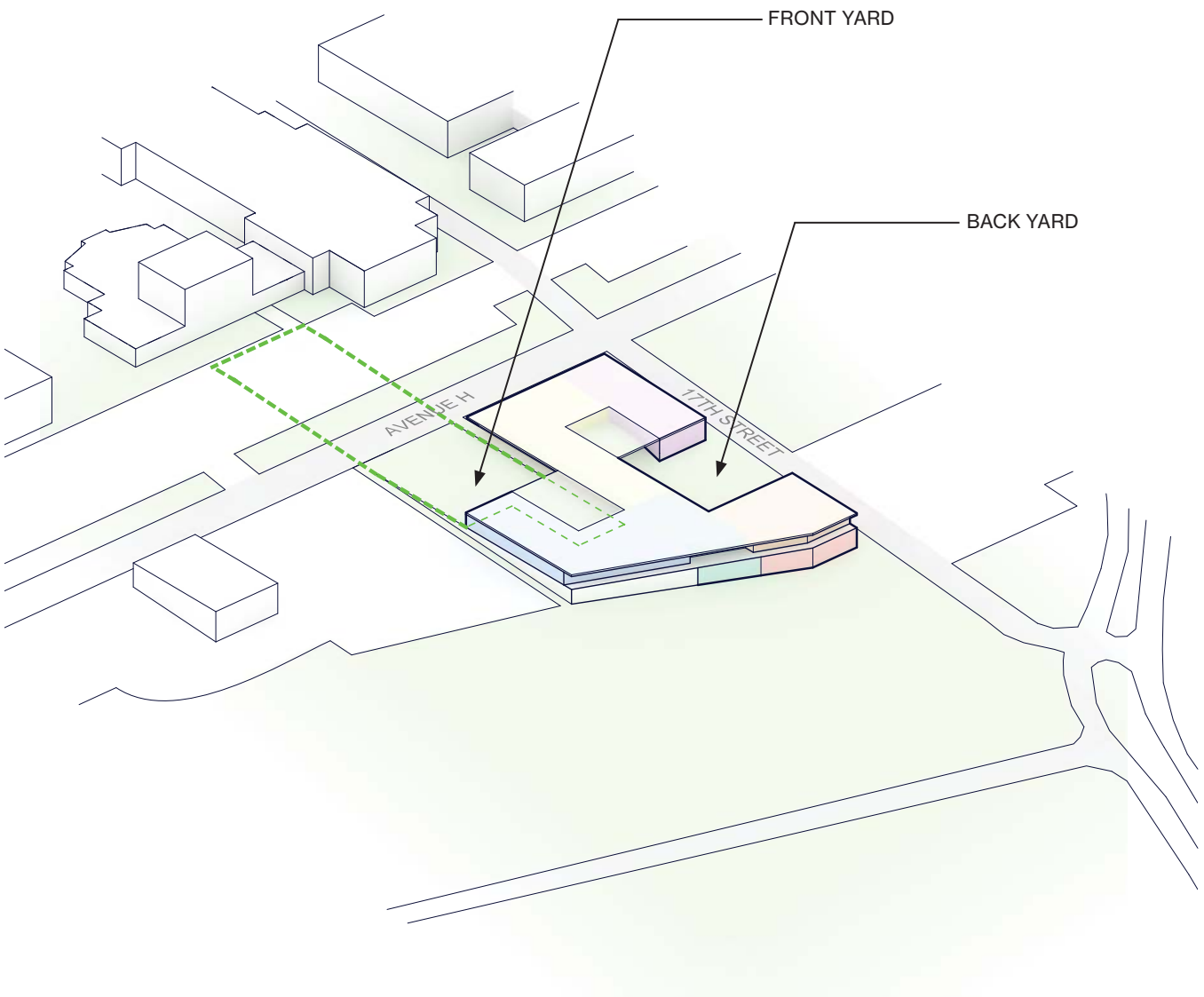
SITE

DELIVERY APPROACH



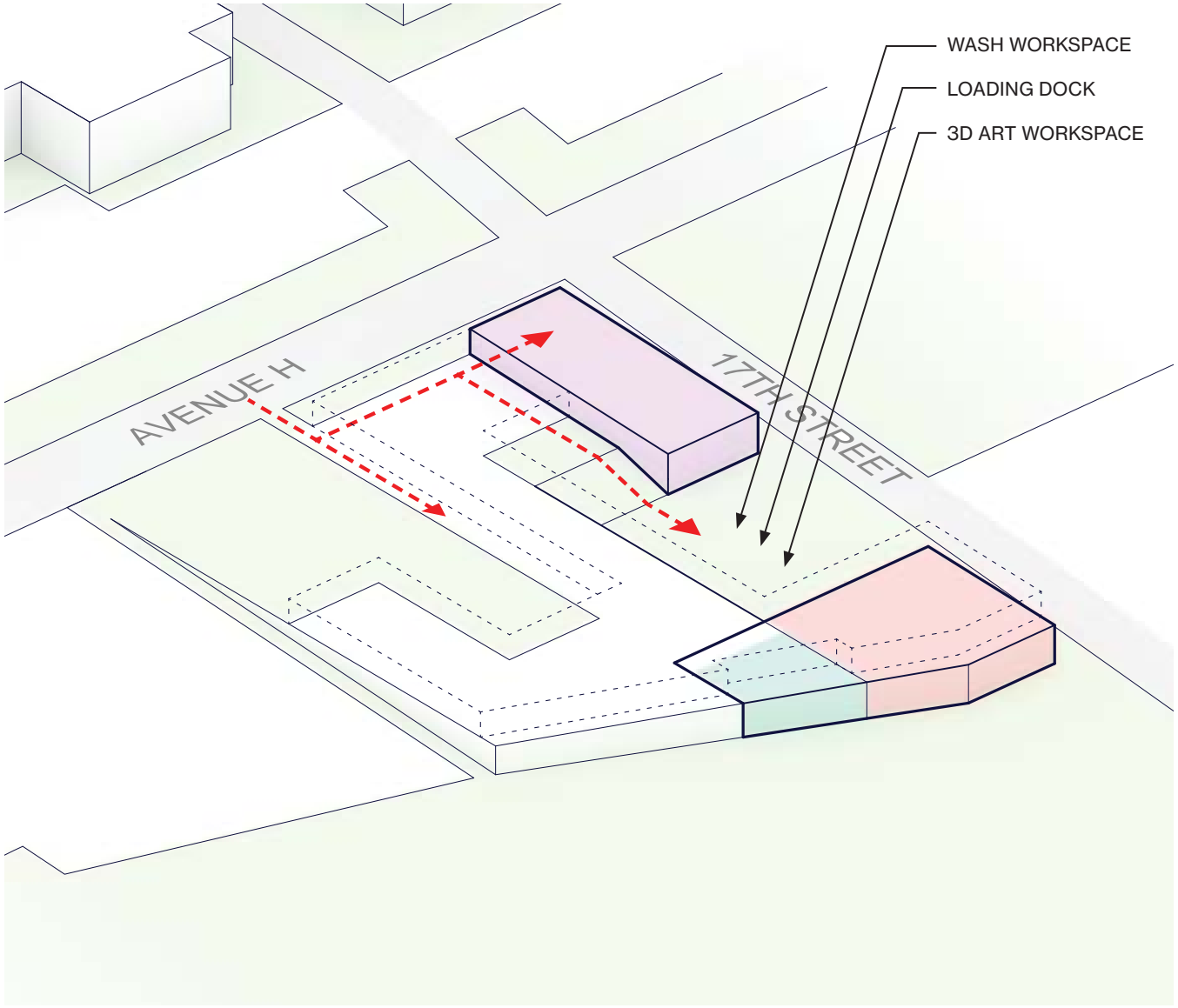
PROGRAM MASSING

OPTION 01



PROGRAM MASSING

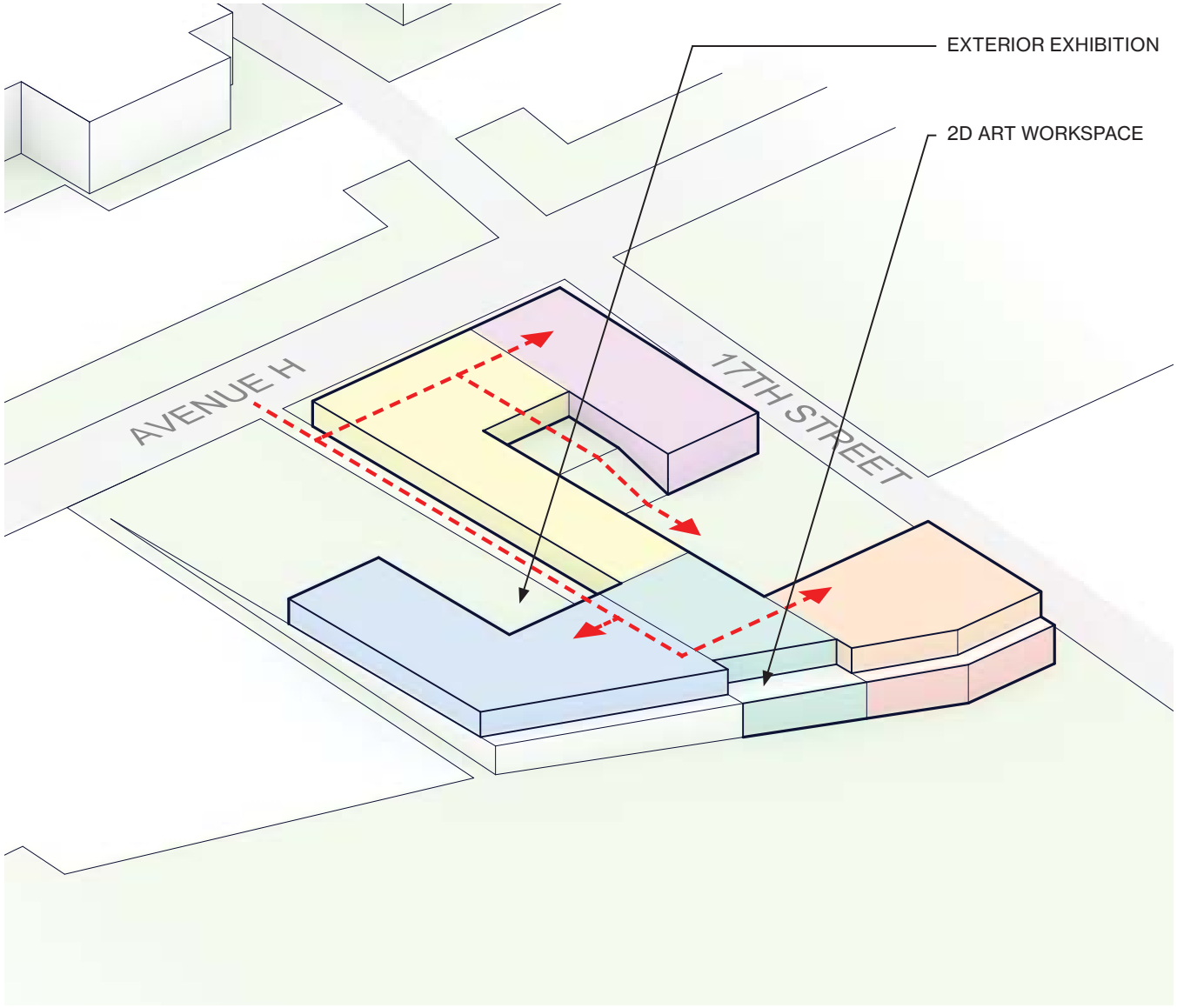
OPTION 01



- LOBBY/GALLERY/INSTRUCTIONAL
- OFFICES
- DIGITAL/GRAPHIC/CG/PHOTO
- 2D ART
- 3D ART
- WASH

PROGRAM MASSING

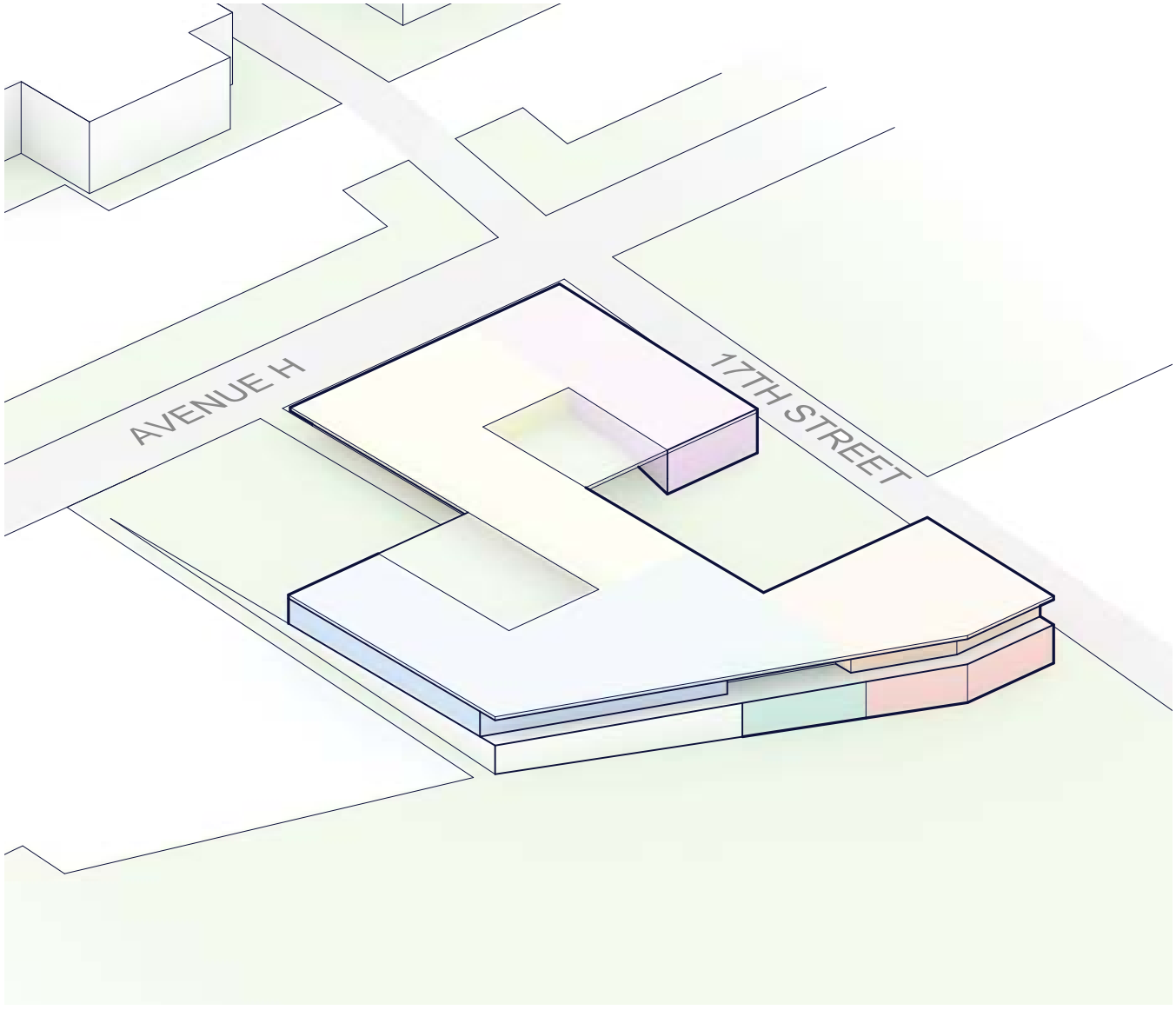
OPTION 01



- LOBBY/GALLERY/INSTRUCTIONAL
- OFFICES
- DIGITAL/GRAPHIC/CG/PHOTO
- 2D ART
- 3D ART
- WASH

PROGRAM MASSING

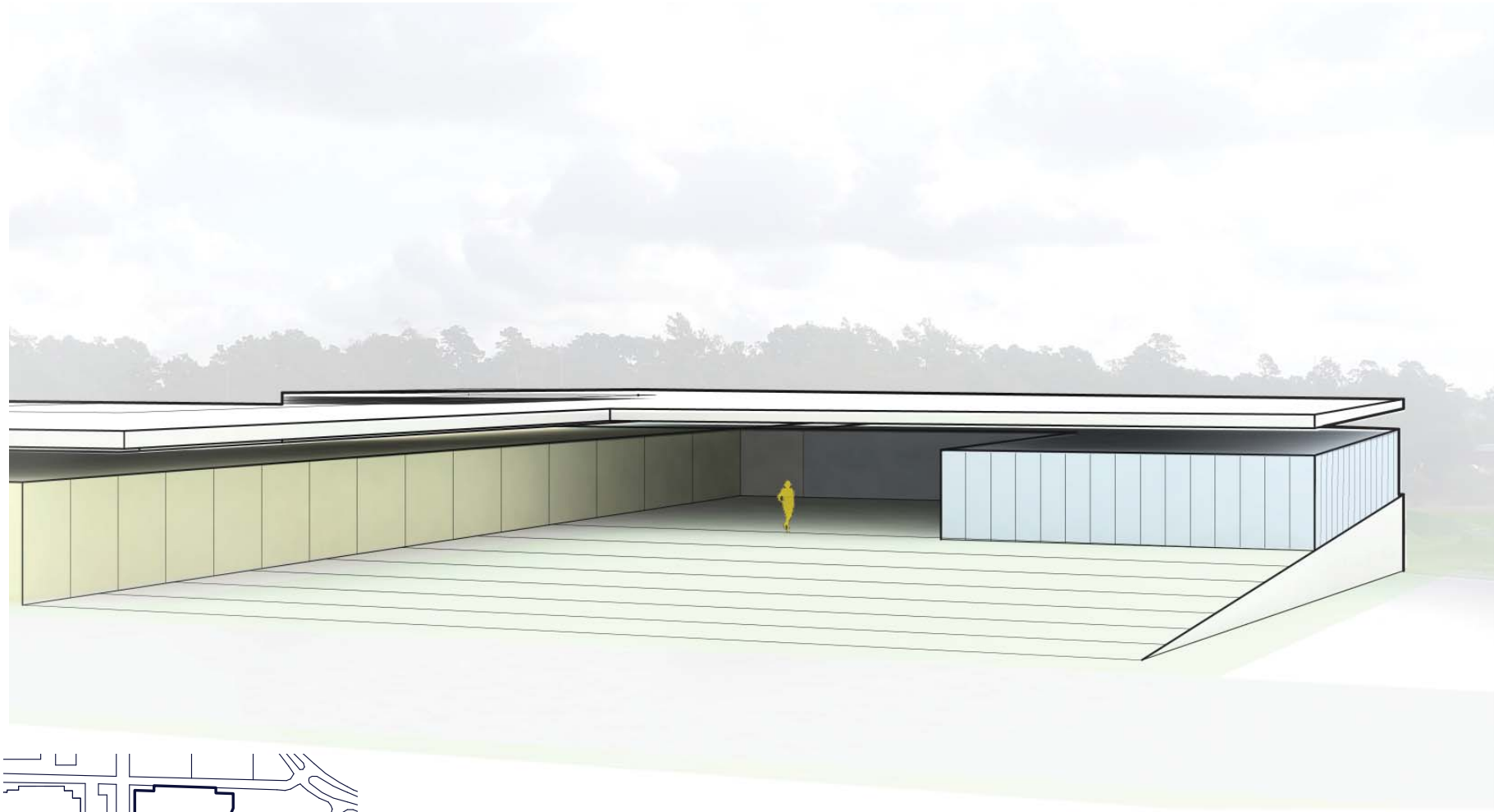
OPTION 01

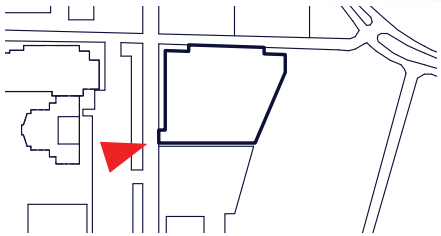


- LOBBY/GALLERY/INSTRUCTIONAL
- OFFICES
- DIGITAL/GRAPHIC/CG/PHOTO
- 2D ART
- 3D ART
- WASH

PERSPECTIVE

OPTION 01 - VIEW EAST



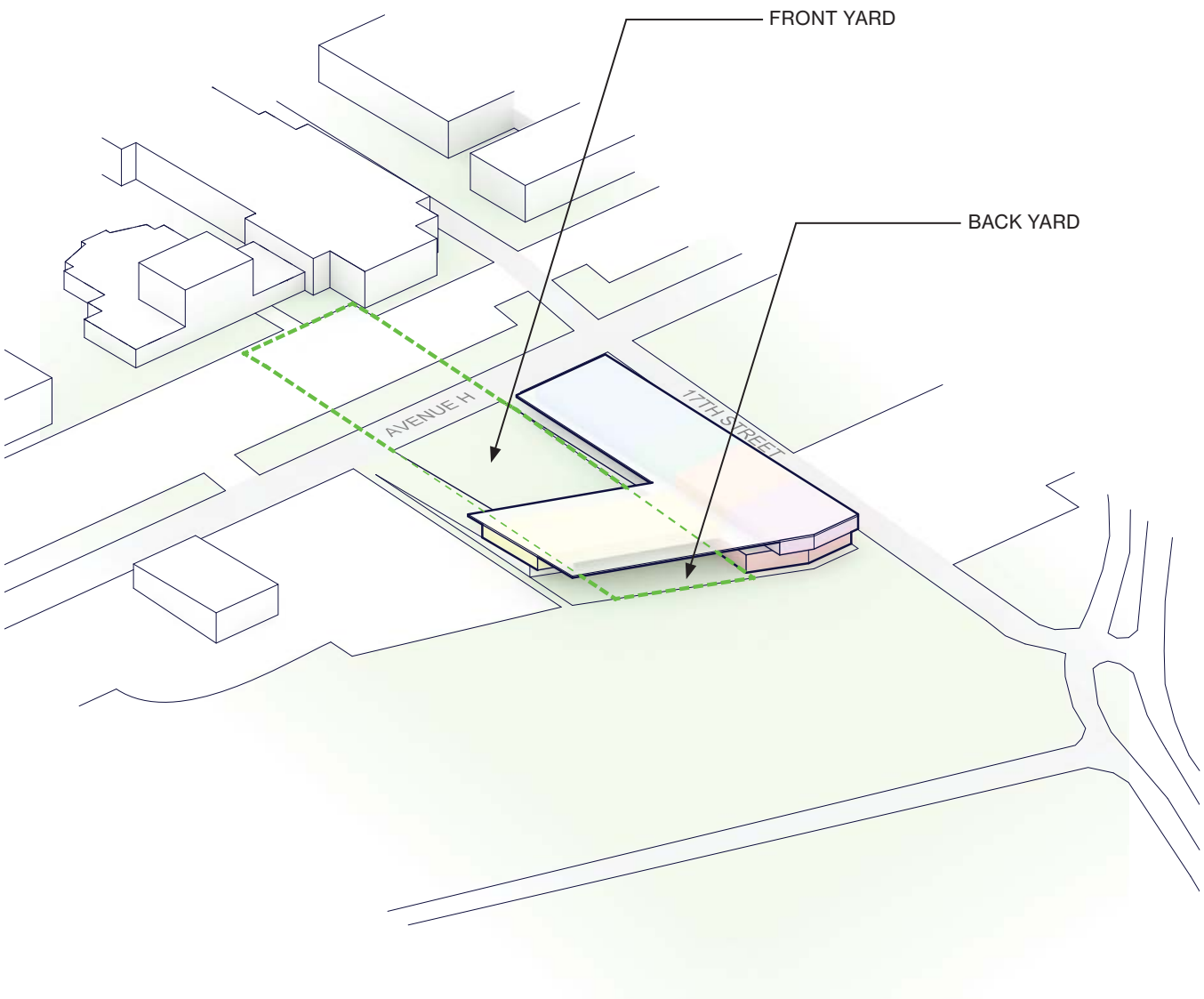


PERSPECTIVE

OPTION 01 - VIEW WEST

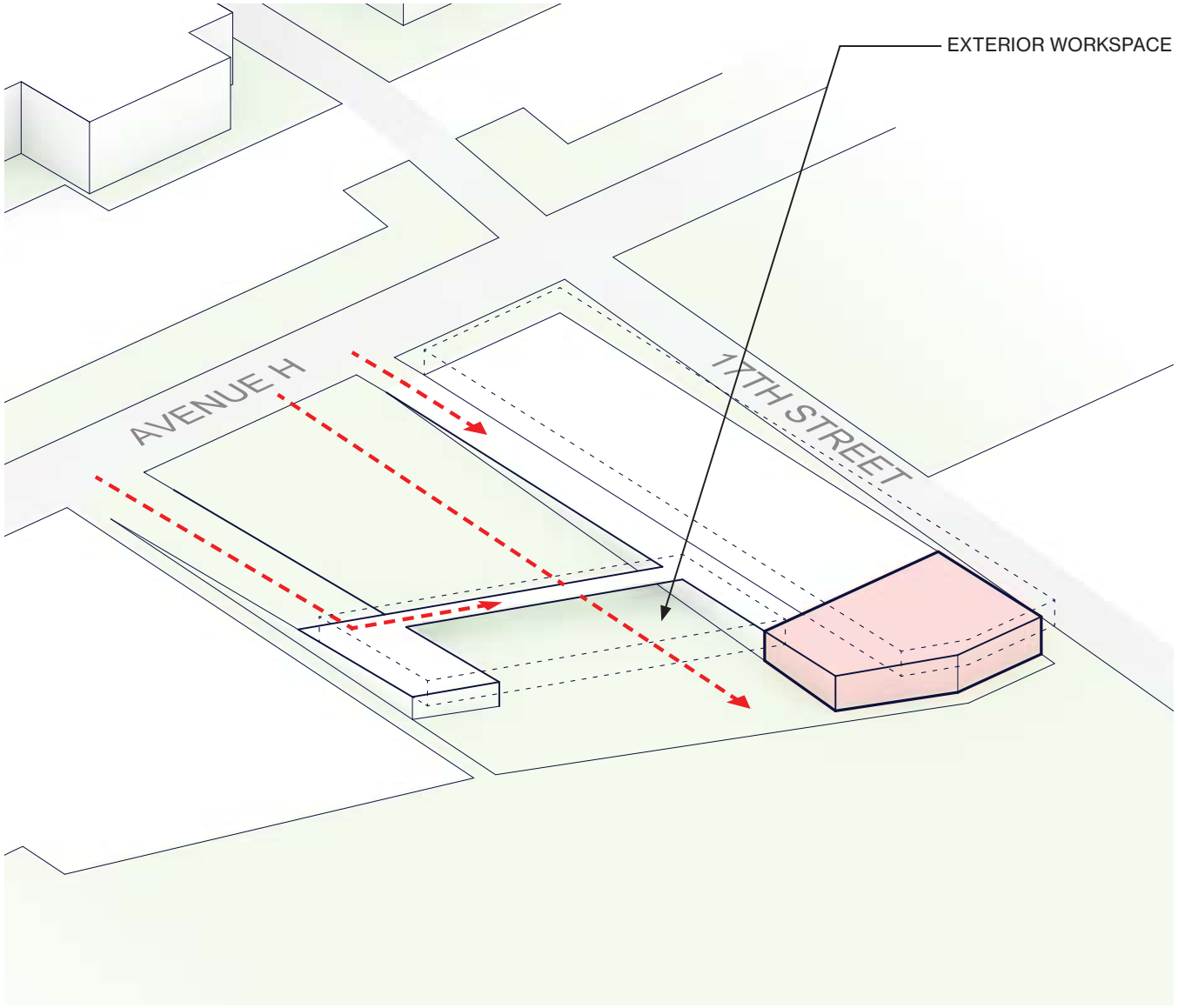
PROGRAM MASSING

OPTION 02



PROGRAM MASSING

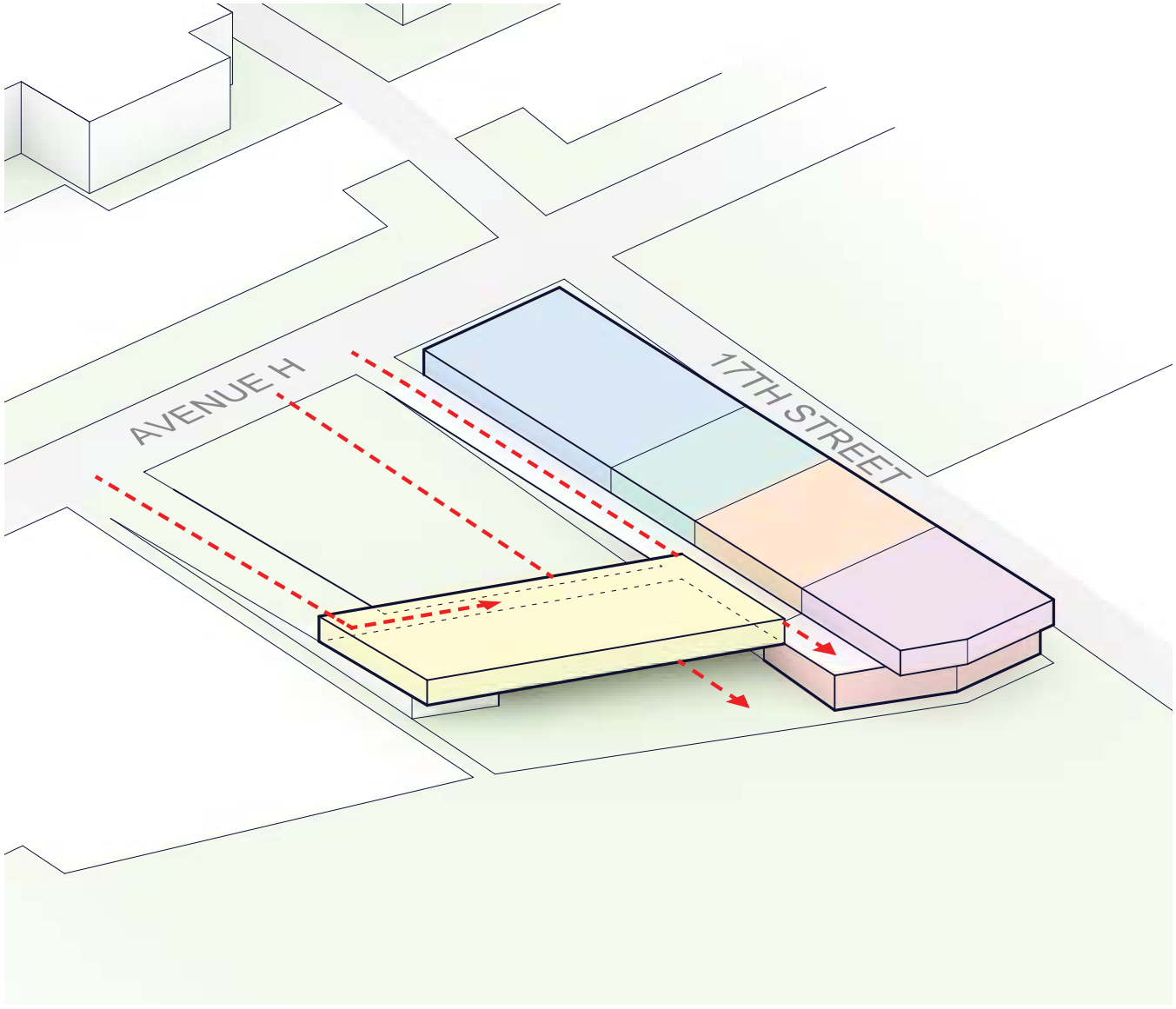
OPTION 02



- LOBBY/GALLERY/INSTRUCTIONAL
- OFFICES
- DIGITAL/GRAPHIC/CG/PHOTO
- 2D ART
- 3D ART
- WASH

PROGRAM MASSING

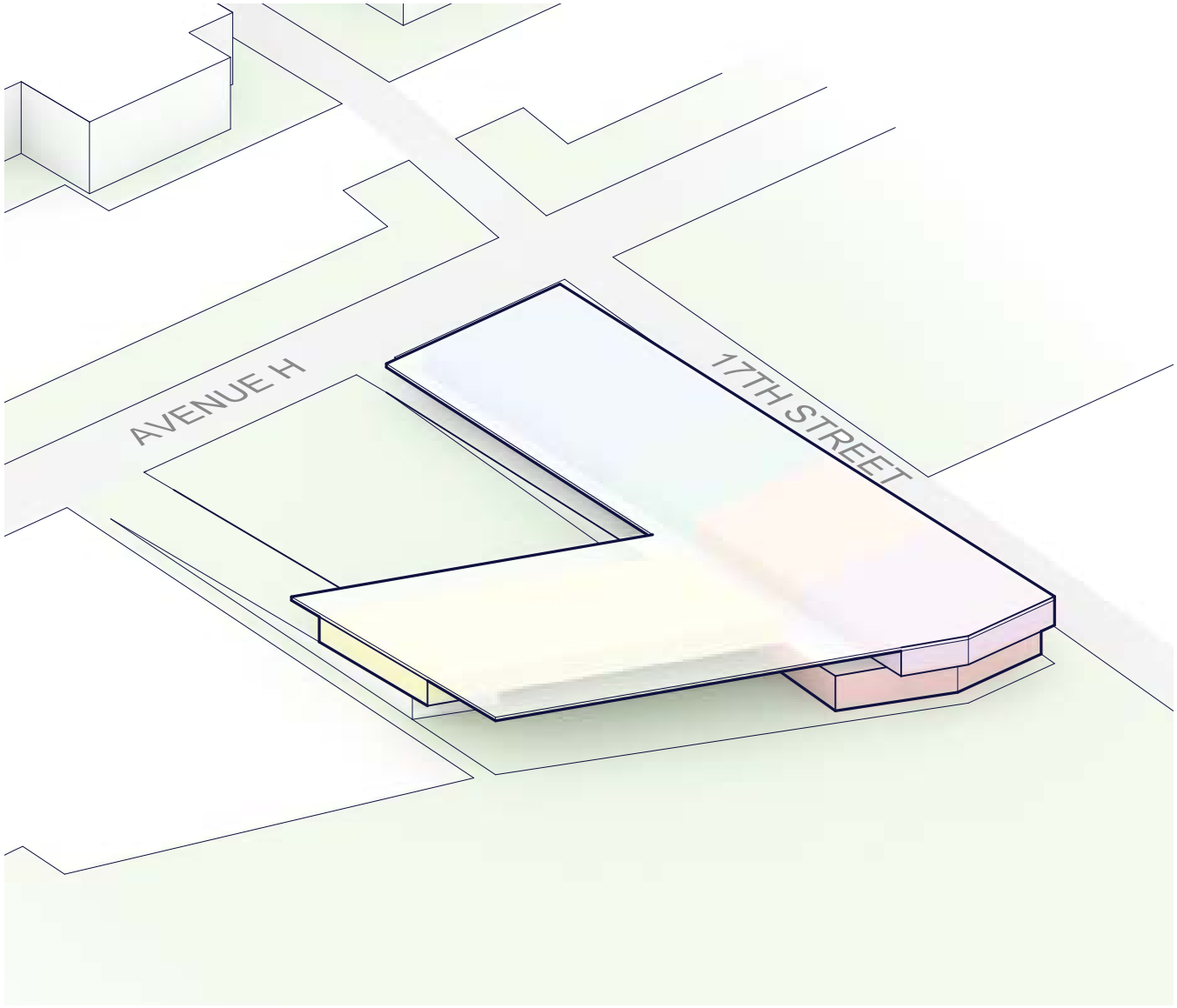
OPTION 02



- LOBBY/GALLERY/INSTRUCTIONAL
- OFFICES
- DIGITAL/GRAPHIC/CG/PHOTO
- 2D ART
- 3D ART
- WASH

PROGRAM MASSING

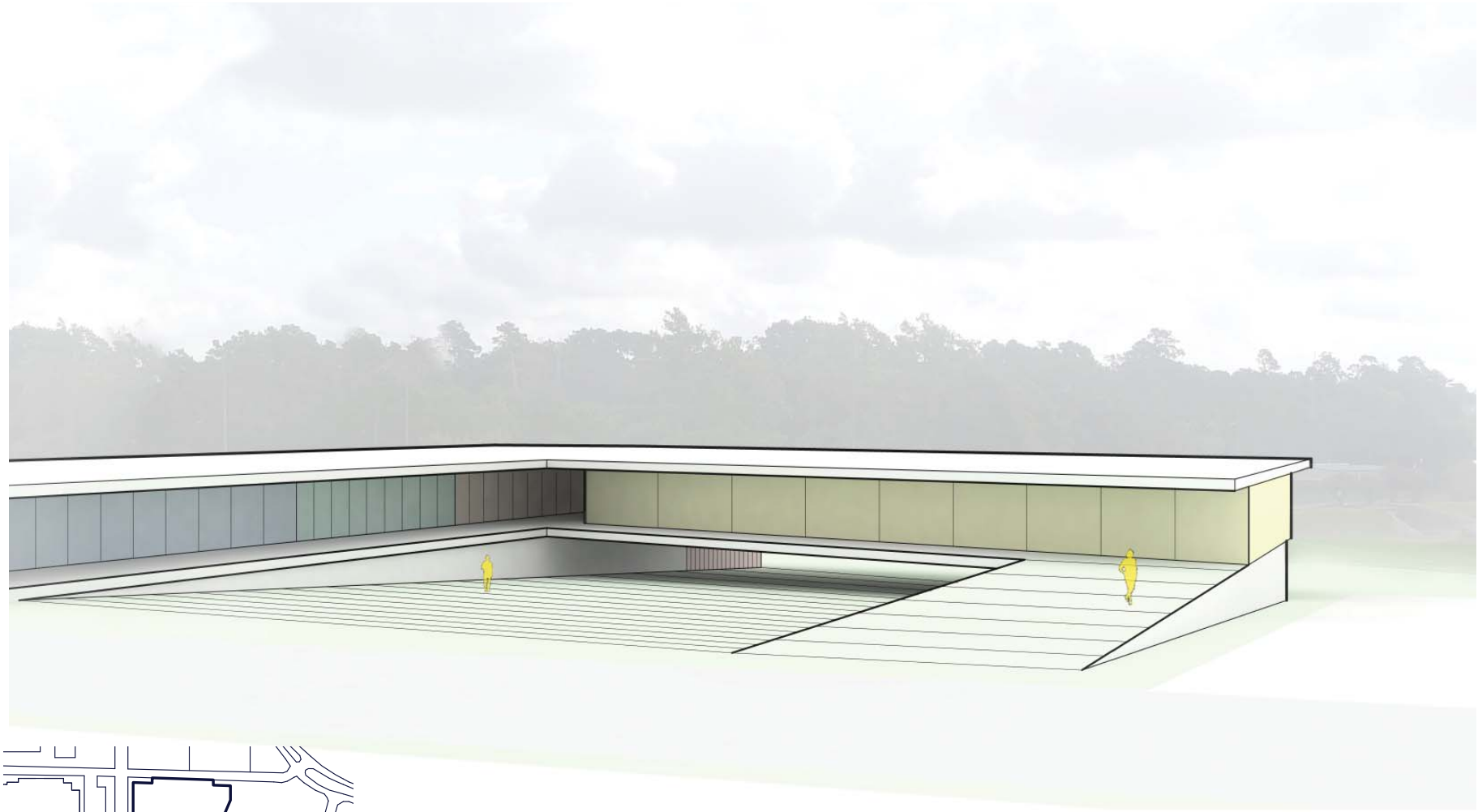
OPTION 02

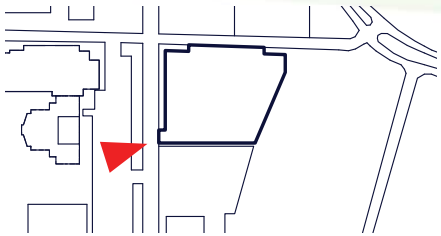


- LOBBY/GALLERY/INSTRUCTIONAL
- OFFICES
- DIGITAL/GRAPHIC/CG/PHOTO
- 2D ART
- 3D ART
- WASH

PERSPECTIVE

OPTION 02 - VIEW EAST





PERSPECTIVE

OPTION 02 - VIEW WEST

APPENDIX B: PRELIMINARY COST ESTIMATE

The Whiting-Turner Contracting Company
13105 Northwest Freeway, Suite 105
Houston, Texas 77040
713-996-8000
www.whiting-turner.com

Project Name:	SHSU-Art Complex
Type of Estimate	Conceptual Program Estimate
Estimate Date:	April 19, 2016
Project Location:	Huntsville, TX
Client University:	Sam Houston State University
Whiting-Turner Estimator/	Brandon Kuebler/Michael Browning
Architect:	To Be Determined
Document Set:	Program Requirements Document
Project Description:	70,850 GSF Art Complex

Sam Houston State University
SHSU-Art Complex
Conceptual Program Estimate

System		ART COMPLEX 70,850 GSF			SITEWORK 2.27 ACRES			PROJECT TOTALS 70,850 GSF		
		COST	$/SF	% COW	COST	$/SF	% COW	COST	$/SF	% COW
A	**SUBSTRUCTURE**	**$ 2,067,666**	**$ 29.18**	**9.71%**	**$ -**	**$ -**	**0.00%**	**$ 2,067,666**	**$ 29.18**	**8.82%**
A10	Foundations	$ 1,478,325	$ 20.87	6.94%	$ -	$ -	0.00%	$ 1,478,325	$ 20.87	6.31%
A20	Basements	$ 589,341	$ 8.32	2.77%	$ -	$ -	0.00%	$ 589,341	$ 8.32	2.51%
B	**SHELL**	**$ 6,013,281**	**$ 84.87**	**28.23%**	**$ -**	**$ -**	**0.00%**	**$ 6,013,281**	**$ 84.87**	**25.65%**
B10	Superstructure	$ 1,988,800	$ 28.07	9.34%	$ -	$ -	0.00%	$ 1,988,800	$ 28.07	8.48%
B20	Exteriors	$ 3,387,281	$ 47.81	15.90%	$ -	$ -	0.00%	$ 3,387,281	$ 47.81	14.45%
B30	Roofing	$ 637,200	$ 8.99	2.99%	$ -	$ -	0.00%	$ 637,200	$ 8.99	2.72%
C	**INTERIORS**	**$ 3,570,309**	**$ 50.39**	**16.76%**	**$ -**	**$ -**	**0.00%**	**$ 3,570,309**	**$ 50.39**	**15.23%**
C10	Interior Construction	$ 1,149,362	$ 16.22	5.40%	$ -	$ -	0.00%	$ 1,149,362	$ 16.22	4.90%
C20	Stairs	$ 187,442	$ 2.65	0.88%	$ -	$ -	0.00%	$ 187,442	$ 2.65	0.80%
C30	Interior Fit-Out	$ 2,233,505	$ 31.52	10.49%	$ -	$ -	0.00%	$ 2,233,505	$ 31.52	9.53%
D	**SERVICES**	**$ 8,384,325**	**$ 118.34**	**39.36%**	**$ -**	**$ -**	**0.00%**	**$ 8,384,325**	**$ 118.34**	**35.77%**
D10	Conveying Systems	$ 212,000	$ 2.99	1.00%	$ -	$ -	0.00%	$ 212,000	$ 2.99	0.90%
D20	Plumbing	$ 1,346,150	$ 19.00	6.32%	$ -	$ -	0.00%	$ 1,346,150	$ 19.00	5.74%
D30	HVAC	$ 3,188,250	$ 45.00	14.97%	$ -	$ -	0.00%	$ 3,188,250	$ 45.00	13.60%
D40	Fire Protection	$ 307,975	$ 4.35	1.45%	$ -	$ -	0.00%	$ 307,975	$ 4.35	1.31%
D50	Electrical	$ 3,329,950	$ 47.00	15.63%	$ -	$ -	0.00%	$ 3,329,950	$ 47.00	14.21%
E	**EQUIPMENT & FURNISHINGS**	**$ 57,942**	**$ 0.82**	**0.27%**	**$ -**	**$ -**	**0.00%**	**$ 57,942**	**$ 0.82**	**0.25%**
E10	Equipment	$ 11,875	$ 0.17	0.06%	$ -	$ -	0.00%	$ 11,875	$ 0.17	0.05%
E20	Furnishings	$ 46,067	$ 0.65	0.22%	$ -	$ -	0.00%	$ 46,067	$ 0.65	0.20%
F	**SPECIAL CONSTRUCTION & DEMOLITION**	**$ -**	**$ -**	**0.00%**	**$ -**	**$ -**	**0.00%**	**$ -**	**$ -**	**0.00%**
F10	Special Construction	$ -	$ -	0.00%	$ -	$ -	0.00%	$ -	$ -	0.00%
F20	Selective Building Demolition	$ -	$ -	0.00%	$ -	$ -	0.00%	$ -	$ -	0.00%
G	**SITEWORK**	**$ -**	**$ -**	**0.00%**	**$ 2,019,056**	**$ 888,385**	**94.34%**	**$ 2,019,056**	**$ 28.50**	**8.61%**
G10	Site Preparation	$ -	$ -	0.00%	$ 732,900	$ 322,476	34.24%	$ 732,900	$ 10.34	3.13%
G20	Site Improvements	$ -	$ -	0.00%	$ 861,565	$ 379,089	40.26%	$ 861,565	$ 12.16	3.68%
G30	Site Civil/Mechanical Utilities	$ -	$ -	0.00%	$ 304,591	$ 134,020	14.23%	$ 304,591	$ 4.30	1.30%
G40	Site Electrical Utilities	$ -	$ -	0.00%	$ 120,000	$ 52,800	5.61%	$ 120,000	$ 1.69	0.51%
Z	**GENERAL CONDITIONS**	**$ 1,205,611**	**$ 17.02**	**5.66%**	**$ 121,143**	**$ 53,303**	**5.66%**	**$ 1,326,755**	**$ 18.73**	**5.66%**
Z10	General Conditions	$ 1,205,611	$ 17.02	5.66%	$ 121,143	$ 53,303	5.66%	$ 1,326,755	$ 18.73	5.66%
	Subtotal	**$ 21,299,135**	**$ 300.62**		**$ 2,140,199**	**$ 941,688**		**$ 23,439,334**	**$ 330.83**	
	Bonds & Insurance 2.00%	$ 425,983	$ 6.01		$ 42,804	$ 0.60		$ 468,787	$ 6.62	
	CM Fee 5.00%	$ 1,064,957	$ 15.03		$ 107,010	$ 1.51		$ 1,171,967	$ 16.54	
	Escalation Allow (18 mo @4%/yr) 6.00%	$ 1,277,948	$ 18.04		$ 128,412	$ 1.81		$ 1,406,360	$ 19.85	
	ESTIMATED CCL	$ 24,068,023	$ 339.70		$ 2,418,425	$ 34.13		$ 26,486,448	$ 373.84	
	Construction Contingency 5.00%	$ 1,203,401	$ 16.99		$ 120,921	$ 1.71		$ 1,324,322	$ 18.69	
	CCL REPORTED	**$ 25,271,424**	**$ 356.69**		**$ 2,539,346**	**$ 1,117,312**		**$ 27,810,770**	**$ 392.53**	

Area Tabs

ART COMPLEX

GBSF Analysis

Floor	Area	Perimeter	Height	Skin Area
Level 0 (Grade Elev - 395')	24,850 gsf	1294	19	24,586
Level 1 (Grade Entry from West - Elevation 415')	46,000 gsf	1400	19	26,600
Total (GBSF)	**70,850 gsf**	**2,694**	**38**	**51,186**
			Foundation Walls:	12,674

Roofs

Location	Area	
Covered Walkways (Bldg Option 1)	3,190 gsf	Included in Bldg Canopy section
High Roof	46,000 gsf	Option 1 Scheme from slides
Perimeter	1,950 lf	Option 1 Scheme from slides

Skin Assumptions

Type	% of Total
Brick	40%
Metal Panel	30%
Curtainwall	30%
	100%

Overall Program Quantities

* Based on Program Requirements

Building Entry Commons		
Lobby	500	asf
Snack/Refreshment Kiosk	200	asf
Food Storage	50	asf
Student Kitchen/Catering Staging	200	asf
Student Organizations	200	asf
Art Display/Critique Nooks	1,200	asf
Student Lockers	350	asf
Subtotal	**2,700**	asf
Gallery Space		
Large Gallery	1,500	asf
Small Gallery	500	asf
Coordinator Office	120	asf
Assistant Coordinator Office	120	asf
Exhibition Staging	400	asf
Subtotal	**2,640**	asf
Instructional Spaces/Resources		
Multipurpose Room	1,600	asf
Furniture Storage	400	asf
Seminar Room	1,200	asf
Visual Resource Center	600	asf
Visual Resource Technician Office	120	asf
Flexible Computer Lab	960	asf
Subtotal	**4,880**	asf
Studios		
Wash(Workshop in Art Studio and History)	4,020	asf
Drawing (2D Art Space)	2,198	asf
Painting (2D Art Space)	1,700	asf
Printmaking (2D Art Space)	2,140	asf
Ceramics (3D Art Space)	2,300	asf
Sculpture (3D Art Space)	3,980	asf
Digital Media	800	asf
Graphic Design	2,424	asf
Animation	2,320	asf
Photography	3,430	asf

Multipurpose	1,600	asf
Subtotal	**26,912**	asf
Director Suite		
Waiting Area	100	asf
Receptionist	80	asf
Director's Office	180	asf
Assistant to the Director Office	120	asf
Administrative Associate Office	120	asf
Workroom (Support Space)	200	asf
Storage Room (Support Space)	120	asf
Internal Circulation Allowance (30%)	276	asf
Subtotal	**1,196**	asf
Academic Offices		
Faculty Resource Room	600	asf
Coordinator (Foundations)	120	asf
Faculty Office (Foundations)	600	asf
Coordinator (Graphic Design)	120	asf
Faculty Office (Graphic Design)	360	asf
Coordinator (Animation)	120	asf
Faculty Office (Animation)	360	asf
Coordinator (Studio Art)	120	asf
Faculty Office (Studio Art)	720	asf
Coordinator (Photography)	120	asf
Faculty Office (Photography)	240	asf
Coordinator (Art History/Education)	120	asf
Faculty Office (Art History/Education)	360	asf
Digital Staff Technician	120	asf
Future Faculty Offices	720	asf
Subtotal	**4,800**	asf
Building Support		
Lactation Room	100	asf
Storage/Receiving	200	asf
Subtotal	**300**	asf
TOTAL Program Space	**43,428**	asf

SITEWORK

Site	99,000	gsf	Google Map Area Calc.
	2.27	acre	

ART COMPLEX

DESCRIPTION	QTY	UNIT	UNIT $	SUBTOTAL		
A SUBSTRUCTURE						
A10 FOUNDATIONS						
A1010 Standard Foundations						
Foundation Allowance - Footings	46,000	gsf	$ 5.00	$ 230,000		
Concrete Foundations for L1 SOG Areas	19,500	sf	$ 10.00	$ 195,000		
Concrete Foundations at L0 SOG Areas	3,500	sf	$ 10.00	$ 35,000		
Concrete Foundations at CIP Elevated Podium	23,000	sf	$ 12.00	$ 276,000		
				$ -		
A1010 - Standard Foundations Subtotal				**$ 736,000**	$	10.39
A1020 Deep Foundations						
Deep Foundations	-	gsf	$ 7.00	$ -	None Assumed	
A1020 - Deep Foundations Subtotal				**$ -**		
A1030 Slab on Grade						
Slab on Grade - 5" Thick	-	cy	$ 390.00	$ -	See Superstructure Below	
Perimeter Under Slab Insulation	5,176	sf	$ 2.00	$ 10,352	4' Vertical	
Perimeter Foundation Wall Slab Inuslation	12,674	sf	$ 2.00	$ 25,348		
Underslab Foundation Drainage System	24,850	sf	$ 2.50	$ 62,125	Presumed Needed	
Elevator Pit - Concrete	3	ea	$ 7,500.00	$ 22,500		
Elevator Pit Waterproofing	3	ea	$ 5,000.00	$ 15,000	Assume needed for difference in high to low	
Elevator Pit Ladder	3	ea	$ 2,500.00	$ 7,500	grade	
Elevator Sump Pit Cover	3	ea	$ 500.00	$ 1,500		
Underslab Waterproofing	46,000	sf	$ 13.00	$ 598,000		
A1030 - Slab on Grade Subtotal				**$ 742,325**		
A10 - FOUNDATIONS TOTAL				**$ 1,478,325**		
A20 BASEMENT CONSTRUCTION						
A2010 Basement Excavation						
See Sitework Estimate						
A2010 - Basement Excavation Subtotal				**$ -**		
A2020 Basement Walls						
Foundation Walls South Wing	4,773	SF	$ 35.00	$ 167,055	@ 16' Walls = $712/CY	
Foundation Walls Center Spline	1,980	SF	$ 35.00	$ 69,300		
Foundation Walls North Wing	5,921	SF	$ 35.00	$ 207,235		
Waterproofing - Fluid Applied Membrane	12,674	sf	$ 5.50	$ 69,707		
Vertical Wall Drainage Board	12,674	sf	$ 3.50	$ 44,359		
2" Extruded Polystyrene Board Insulation	12,674	sf	$ 2.50	$ 31,685		
A2020 - Basement Walls Subtotal				**$ 589,341**		
A20 - BASEMENT CONSTRUCTION TOTAL				**$ 589,341**		
TOTAL A - SUBSTRUCTURE				**$ 2,067,666**		
B SHELL						
B10 SUPERSTRUCTURE						
B1010 Floor Construction						
Concrete SOG at L1 SOG Area	19,500	sf	$ 5.50	$ 107,250		
Concrete at L0 SOG area	38,000	sf	$ 3.25	$ 123,500		
Cast in Place Concrete Structure - Columns, Walls, Beams, Drop Panels, Slabs, etc	-	sf	$ 22.00	$ -	Podium for L0 East side (Foundations above)	
Slab on Deck at NW WASH Wing	2,500	sf	$ 6.00	$ 15,000		
Slab on Deck at podium (east)	26,500	sf	$ 6.00	$ 159,000		
Loading Dock Special Construction	1,200	sf	$ 50.00	$ 60,000	Assume special dock at "Back Yard"	
Equipment Pads - MEP Rooms	1,500	sf allow	$ 7.00	$ 10,500		
B1010 - Floor Construction Subtotal				**$ 475,250**		

ART COMPLEX

DESCRIPTION	QTY	UNIT	UNIT $	SUBTOTAL	
B1020 Roof Construction					
Steel Roof Framing at Podium Area	119	TN	$ 4,000.00	$ 477,000	9#/SF Columns, Girders, Joist and Deck
Steel Roof Framing at L1 Elev 415'	88	TN	$ 4,000.00	$ 351,000	9#/SF Columns, Girders, Joist and Deck
Steel Framing @ L1 WASH floor	11	TN	$ 4,000.00	$ 45,000	9#/SF Columns, Girders, Joist and Deck
Concrete Framed Roof	-	sf	$ 30.00	$ -	
Roof Equipment Support / Dunnage	1	allow	$ 25,000.00	$ 25,000	
Spray Fireproofing	75,000	sf	$ 3.50	$ 262,500	Entire L1 Elev 415' & L0 WASH at NW +podium
Misc Structural / Misc Steel - Allow for undefined items	1	allow	$ 50,000.00	$ 50,000	
Exterior Structured Cover					
Exterior tiered | Back Yd court - Opt 1 Scenario	3,190	sf	$ 95.00	$ 303,050	Allowance
B1020 - Roof Construction Subtotal				**$ 1,513,550**	
B10 - SUPERSTRUCTURE TOTAL				**$ 1,988,800**	
B20 EXTERIOR ENCLOSURE					
B2010 Exterior Walls					
Metal Panel	15,356	sf	$ 38.00	$ 583,520	see area tabs for % of total skin
Articulation & Fenestration - 10% allowance	1,536	sf	$ 38.00	$ 58,352	
Brick	20,474	sf	$ 20.00	$ 409,488	see area tabs% of total skin ($10 Wall + $17 Brick)
Articulation & Fenestration - 10% allowance	2,047	sf	$ 20.00	$ 40,949	
Exterior Wall System - Back-up	39,413	sf	$ 16.00	$ 630,612	cold-formed metal framing, sheathing, air/water barrier, rigid insulation board, batt insulation
Exterior Soffits	-	sf	$ 30.00	$ -	included in articulation/fenestration
Misc Exterior Enclosure					
Caulking & Sealants	51,186	sf	$ 0.50	$ 25,593	
Miscellaneous Supports and Angles - Allowance	1	allow	$ 50,000.00	$ 50,000	
Building Envelope Performance Testing	1	allow	$ 50,000.00	$ 50,000	Mockups - Onsite Building Envelope Testing
B2010 - Exterior Walls Subtotal				**$ 1,848,514**	
B2020 Exterior Windows					
Curtainwall	15,356	sf	$ 85.00	$ 1,305,243	see area tabs for % skin
Sunshade Systems	-	sf	$ -	$ -	included in curtainwall price
Articulation & Fenestration - 10% allowance	1,536	sf	$ 85.00	$ 130,524	
B2020 - Exterior Windows Subtotal				**$ 1,435,767**	
B2030 Exterior Doors					
Exterior - Single Hollow Metal	3	Allow	$ 5,000.00	$ 15,000	1 per egress stair
Exterior - Double Hollow Metal	6	ea	$ 2,000.00	$ 12,000	
Exterior - Double Storefront	1	Allow	$ 60,000.00	$ 60,000	
Overhead Coiling Door - Loading Area	1	allow	$ 16,000.00	$ 16,000	
B2030 - Exterior Doors Subtotal				**$ 103,000**	
B20 - EXTERIOR ENCLOSURE TOTAL				**$ 3,387,281**	
B30 ROOFING					
B3010 Roof Coverings					
Roofing System - TPO Membrane	46,000	sf	$ 8.50	$ 391,000	Mechanically Fastened
Outdoor Balcony - Pedestal Paver Assembly	-	sf	$ 30.00	$ -	Assume none
Flashing/Penetrations	46,000	sf	$ 0.30	$ 13,800	
Roof Perimeter Blocking	1,950	lf	$ 5.00	$ 9,750	
Roof Screening Walls	1,800	SF	$ 50.00	$ 90,000	Allowance to screen Mech Units
Fall Arrest System	1	allow	$ 70,000.00	$ 70,000	Main Roof Perimeter
Coping - Premanufactured Aluminum	1,950	lf	$ 27.00	$ 52,650	
B3010 - Roof Coverings Subtotal				**$ 627,200**	
B3020 Roof Openings					
Skylights	-	sf	$ 125.00	$ -	none assumed
Roof Hatch & Ladder	2	ea	$ 5,000.00	$ 10,000	
B3020 - Roof Openings Subtotal				**$ 10,000**	
B30 - ROOFING TOTAL				**$ 637,200**	
TOTAL B - SHELL				**$ 6,013,281**	

ART COMPLEX

DESCRIPTION	QTY	UNIT	UNIT $	SUBTOTAL	
C INTERIORS					
C10 INTERIOR CONSTRUCTION					
C1010 Partitions					
Stair Walls	7,200	sf	$ 9.00	$ 64,800	
Elevator Walls	4,500	sf	$ 9.00	$ 40,500	
Interior Walls - 2 sided		sf	$ 8.00	$ -	See fit-up numbers below
Interior Walls - GWB on interior side of exterior wall	39,413	sf	$ 3.00	$ 118,240	
Interior Storefront	2,470	sf	$ 45.00	$ 111,150	
Miscellaneous Metals - Allowance	70,850	gsf	$ 2.00	$ 141,700	
Ornamental Metals - Allowance	70,850	gsf	$ 3.00	$ 212,550	
Interior Firesafing Requirements	70,850	gsf	$ 0.50	$ 35,425	
Fire Stopping - Perimeter of Slab Edge	1,400	lf	$ 9.00	$ 12,600	
Interior Caulking	70,850	gsf	$ 0.35	$ 24,798	
Expansion Joints & Cover - Floor, Wall, Ceiling	1	allow	$ 75,000.00	$ 75,000	
C1010 - Partitions Subtotal				**$ 836,762**	
C1020 Interior Doors					
Interior - Single Common Area	9	ea	$ 1,400.00	$ 12,600	
Interior - Double Common Area	21	ea	$ 2,200.00	$ 46,200	
Interior - Double BOH	17	ea	$ 2,000.00	$ 34,000	
Interior - Single Stair	8	ea	$ 1,500.00	$ 12,000	
Interior - Single BOH	2	ea	$ 1,400.00	$ 2,800	
Interior - Double Storefront	10	ea	$ 4,000.00	$ 40,000	
C1020 - Interior Doors Subtotal				**$ 147,600**	
C1030 Specialties	* All other specialties included in interior fit-out				
Fire Extinguishers and Cabinets	20	ea	$ 375.00	$ 7,500	assume 10 per level
Toilet Accessories	-	ea	$ -	$ -	Included below
Operable Partition	2,100	sf	$ 75.00	$ 157,500	Allowance
C1030 - Specialties Subtotal				**$ 165,000**	
C10 - INTERIOR CONSTRUCTION TOTAL				**$ 1,149,362**	
C20 STAIRCASES					
C2010 Stair Construction					
Egress Stairs					
Concrete Stairs/Landings	1	allow	$ 60,000.00	$ 60,000	
Stair Nosings - Egress Stairs	1	allow	$ 10,000.00	$ 10,000	
Monumental Stairs					
Ornamental Metal Stairs & Landings	1	allow	$ 100,000.00	$ 100,000	
C2010 - Stair Construction Subtotal				**$ 170,000**	
C2020 Stair Finishes					
Egress Stairs					
Paint GWB Walls	5,320	sf	$ 0.60	$ 3,192	
Flooring allowance- Stair Landings	1,500	sf	$ 4.50	$ 6,750	
Misc Painted Finishes (handrail, pipe, etc)	1	allow	$ 7,500.00	$ 7,500	
Monumental Stairs					
Ornamental Metal Stair & Landing Finishes		sf	$ -	$ -	Included in allowance above
C2020 - Stair Finishes Subtotal				**$ 17,442**	
C20 - STAIRCASES TOTAL				**$ 187,442**	
C30 INTERIOR FIT-OUT					
* Includes flooring, ceilings, wall finishes, specialties, millwork, equipment. Does not include MEP, doors, partitions.					
Building Entry Commons					
Lobby	500	ASF	$ 72.00	$ 36,000	
Snack/Refreshment Kiosk	200	ASF	$ 39.50	$ 7,900	
Food Storage	50	ASF	$ 40.00	$ 2,000	
Student Kitchen/Catering Staging	200	ASF	$ 41.50	$ 8,300	
Student Organizations	200	ASF	$ 54.50	$ 10,900	

ART COMPLEX

DESCRIPTION	QTY	UNIT	UNIT $	SUBTOTAL	
Art Display/Critique Nooks	1,200	ASF	$ 39.00	$ 46,800	
Student Lockers	350	ASF	$ 39.00	$ 13,650	
Subtotal	**2,700**	**ASF**		$ -	$ 46.50
				$ -	
Gallery Space				$ -	
Large Gallery	1,500	ASF	$ 52.00	$ 78,000	
Small Gallery	500	ASF	$ 52.00	$ 26,000	
Coordinator Office	120	ASF	$ 42.00	$ 5,040	
Assistant Coordinator Office	120	ASF	$ 42.00	$ 5,040	
Exhibition Staging	400	ASF	$ 39.00	$ 15,600	
Subtotal	**2,640**	**ASF**		$ -	$ 49.12
				$ -	
Instructional Spaces/Resources				$ -	
Multipurpose Room	1,600	ASF	$ 59.00	$ 94,400	
Furniture Storage	400	ASF	$ 39.50	$ 15,800	
Seminar Room	1,200	ASF	$ 56.50	$ 67,800	
Visual Resource Center	600	ASF	$ 59.00	$ 35,400	
Visual Resource Technician Office	120	ASF	$ 42.00	$ 5,040	
Flexible Computer Lab	960	ASF	$ 76.50	$ 73,440	
Subtotal	**4,880**	**ASF**		$ -	$ 59.81
				$ -	
Studios				$ -	
Wash(Workshop in Art Studio and History)	4,020	ASF	$ 51.50	$ 207,030	
Drawing (2D Art Space)	2,198	ASF	$ 44.00	$ 96,712	
Painting (2D Art Space)	1,700	ASF	$ 43.00	$ 73,100	
Printmaking (2D Art Space)	2,140	ASF	$ 41.50	$ 88,810	
Ceramics (3D Art Space)	2,300	ASF	$ 52.50	$ 120,750	
Sculpture (3D Art Space)	3,980	ASF	$ 52.50	$ 208,950	
Digital Media	800	ASF	$ 49.00	$ 39,200	
Graphic Design	2,424	ASF	$ 59.50	$ 144,228	
Animation	2,320	ASF	$ 56.50	$ 131,080	
Photography	3,430	ASF	$ 56.50	$ 193,795	
Multipurpose	1,600	ASF	$ 61.50	$ 98,400	
Subtotal	**26,912**	**ASF**		$ -	$ 52.10
				$ -	
Director Suite				$ -	
Waiting Area	100	ASF	$ 39.50	$ 3,950	
Receptionist	80	ASF	$ 49.50	$ 3,960	
Director's Office	180	ASF	$ 62.00	$ 11,160	
Assistant to the Director Office	120	ASF	$ 62.00	$ 7,440	
Administrative Associate Office	120	ASF	$ 62.00	$ 7,440	
Workroom (Support Space)	200	ASF	$ 56.50	$ 11,300	
Storage Room (Support Space)	120	ASF	$ 41.50	$ 4,980	
Internal Circulation Allowance (30%)	276	ASF	$ 35.00	$ 9,660	
Subtotal	**1,196**	**ASF**		$ -	$ 50.08
				$ -	
Academic Offices				$ -	
Faculty Resource Room	600	ASF	$ 44.00	$ 26,400	
Coordinator (Foundations)	120	ASF	$ 44.00	$ 5,280	
Faculty Office (Foundations)	600	ASF	$ 44.00	$ 26,400	
Coordinator (Graphic Design)	120	ASF	$ 44.00	$ 5,280	
Faculty Office (Graphic Design)	360	ASF	$ 44.00	$ 15,840	
Coordinator (Animation)	120	ASF	$ 44.00	$ 5,280	
Faculty Office (Animation)	360	ASF	$ 44.00	$ 15,840	
Coordinator (Studio Art)	120	ASF	$ 44.00	$ 5,280	
Faculty Office (Studio Art)	720	ASF	$ 44.00	$ 31,680	
Coordinator (Photography)	120	ASF	$ 44.00	$ 5,280	
Faculty Office (Photography)	240	ASF	$ 44.00	$ 10,560	
Coordinator (Art History/Education)	120	ASF	$ 44.00	$ 5,280	
Faculty Office (Art History/Education)	360	ASF	$ 44.00	$ 15,840	
Digital Staff Technician	120	ASF	$ 44.00	$ 5,280	
Future Faculty Offices	720	ASF	$ 44.00	$ 31,680	
Subtotal	**4,800**	**ASF**		$ -	$ 44.00
				$ -	
Building Support				$ -	
Lactation Room	100	ASF	$ 54.50	$ 5,450	
Storage/Receiving	200	ASF	$ 39.00	$ 7,800	
Subtotal	**300**	**ASF**		$ -	$ 44.17

C30 - INTERIOR FIT-OUT TOTAL	**$**	**2,233,505**
TOTAL C - INTERIORS	**$**	**3,570,309**

ART COMPLEX

DESCRIPTION	QTY	UNIT	UNIT $	SUBTOTAL	
D SERVICES					
D10 CONVEYING					
D1010 Elevators and Lifts					
Elevators - Passenger	4	stops	$ 32,000.00	$ 128,000	3500 #, 350 fpm, Front Opng
Elevators - Service	2	stops	$ 42,000.00	$ 84,000	5000 #, 350 fpm, Front/Rear Opng
Cab Finishes - Passenger - Stainless Steel	-	allow	$ 15,000.00	$ -	Assume Standard Manufacturer's Finish
Cab Finishes - Service - Stainless Steel	-	allow	$ 12,500.00	$ -	Assume Standard Manufacturer's Finish
D1010 - Elevators and Lifts Subtotal				**$ 212,000**	
D10 - CONVEYING TOTAL				**$ 212,000**	
D20 PLUMBING					
Plumbing Systems	70,850	sf	$ 19.00	$ 1,346,150	
D20 - PLUMBING TOTAL				**$ 1,346,150**	
D30 HVAC					
HVAC Systems	70,850	sf	$ 45.00	$ 3,188,250	
D30 - HVAC TOTAL				**$ 3,188,250**	
D40 FIRE PROTECTION					
Sprinklers	70,850	sf	$ 3.50	$ 247,975	
Fire Pump Assembly	1	allow	$ 60,000.00	$ 60,000	
D40 - FIRE PROTECTION TOTAL				**$ 307,975**	
D50 ELECTRICAL					
D5010 Electrical Service & Distribution					
Electrical Systems	70,850	sf	$ 33.00	$ 2,338,050	
D5010 - Electrical Service & Distribution Subtotal				**$ 2,338,050**	
D5030 Communications & Security					
Tele Data System	70,850	sf	$ 5.00	$ 354,250	
Electronic Safety and Security	70,850	sf	$ 1.00	$ 70,850	Only needed at main entrances and equip rooms (Cameras and card reader access)
AV Rough-in	70,850	sf	$ 8.00	$ 566,800	
AV Systems	-	sf	$ -	$ -	Presumed by Owner
D5030 - Communications & Security Subtotal				**$ 991,900**	
D50 - ELECTRICAL TOTAL				**$ 3,329,950**	
TOTAL D - SERVICES				**$ 8,384,325**	

ART COMPLEX

DESCRIPTION	QTY	UNIT	UNIT $	SUBTOTAL	
E EQUIPMENT & FURNISHINGS					
E10 EQUIPMENT					
E1010 Loading Dock Equipment					
Dock Levelers	2	ea	$ 5,000.00	$ 10,000	
Dock Bumpers	25	lf	$ 75.00	$ 1,875	
E1010 - Loading Dock Equipment Subtotal				**$ 11,875**	
E1040 Institutional Equipment					
Food Service Equipment	included in interior fit out				
Audio-Visual Equipment & Supports	included in interior fit out				
E1040 - Institutional Equipment Subtotal				**$ -**	
E1060 Residential Equipment					
E1060 - Residential Equipment Subtotal				**$ -**	
E1090 Other Equipment					
				$ -	
E1090 Other Equipment Subtotal				**$ -**	
E10 - EQUIPMENT TOTAL				**$ 11,875**	
E20 FURNISHINGS					
E2010 Fixed Furnishings					
Window Treatments	15,356	sf	$ 3.00	$ 46,067	
Millwork, Casework & Countertops	included in interior fit-out				
E2010 Fixed Furnishings Subtotal				**$ 46,067**	
E2020 Moveable Furnishings					
Moveable Furnishings	-	sf	$ -	$ -	Presumed By Owner
E2020 Moveable Furnishings Subtotal				**$ -**	
E20 - FURNISHINGS TOTAL				**$ 46,067**	
TOTAL E - EQUIPMENT & FURNISHINGS				**$ 57,942**	
F SPECIAL CONSTRUCTION AND DEMOLITION					
F10 SPECIAL CONSTRUCTION					
F10 - SPECIAL CONSTRUCTION TOTAL				**$ -**	
F20 SELECTIVE BUILDING DEMOLITION					
				$ -	
F20 - SELECTIVE BUILDING DEMOLITION TOTAL				**$ -**	
TOTAL F - SPECIAL CONSTRUCTION AND DEMOLITION				**$ -**	
G SITEWORK					
					$ 73,298,214
See Sitework Section					
Z GENERAL CONDITIONS					
Z10 GENERAL CONDITIONS/REQUIREMENTS					
General Conditions	6%	ls	$ 20,093,524	$ 1,205,611	COW @ 6%
Z10 - GENERAL CONDITIONS/REQUIREMENTS TOTAL				**$ 1,205,611**	
TOTAL Z - GENERAL CONDITIONS				**$ 1,205,611**	
ART COMPLEX TOTAL				**$ 21,299,135**	

SITEWORK

DESCRIPTION	QTY	UNIT	UNIT $	SUBTOTAL	COMMENTS
G BUILDING SITEWORK					
G10 SITE PREPARATION					
G1010 SWPPP					
Filter Fabric Fence	1,400	LF	$ 1.55	$ 2,170	
Inlet Protection Barriers	1	allow	$ 10,000.00	$ 10,000	
Stabilized Construction Entry	1	allow	$ 2,500.00	$ 2,500	
Concrete washout area	1	allow	$ 1,500.00	$ 1,500	
SWPPP Inpsections	70	wks	$ 150.00	$ 10,500	
Maintenance throughout	1	allow	$ 10,000.00	$ 10,000	
SITE CLEARING					
R&D Curb	2,000	LF	$ 15.00	$ 30,000	
Stripping	2	Acre	$ 2,000.00	$ 4,400	
Detention Pond	-	allow	$ -	$ -	Assume none required
Sidewalk grading	1	allow	$ 10,000.00	$ 10,000	
G1020 Site Demolition & Relocations					
Existing Parking Lot Demolition	90,000	SF	$ 1.30	$ 117,000	Removal of paving, site lighting, curbs, etc.
				$ -	
G1030 Site Earthwork					
Cut - General	6,095	BCY	$ 10.00	$ 60,950	
Common Fill	6,773	TCY	$ 8.00	$ 54,184	
Select Fill	10,629	TCY	$ 24.00	$ 255,096	
Foundation wall backfill	2,400	TCY	$ 24.00	$ 57,600	
Unsuitable Soils Allowance/ Soil Amendments	-	allow	$ -	$ -	Excluded
Sheeting & Shoring	-	sf	$ -	$ -	None presumed
Existing Walkway Protection	-	sf	$ -	$ -	None presumed
Well Points/Excessive Dewatering	-	ls	$ -	$ -	Excluded
Permanent Sump Systems	-	ls	$ -	$ -	Excluded
Rock Excavation and Removal	-	allow	$ -	$ -	Excluded
Unforeseen Conditions or Hazardous Materials	-	cy	$ -	$ -	Excluded
Vibration Monitoring of Surrounding Buildings	-	ls	$ -	$ -	Excluded
Temporary Site Signage	1	allow	$ 5,000.00	$ 5,000	
Temporary Vehicular & Pedestrian Detours	1	allow	$ 15,000.00	$ 15,000	
Construction Waste Removal & Recycling	1	allow	$ 10,000.00	$ 10,000	
Final Cleaning - Site Only	1	allow	$ 20,000.00	$ 20,000	
Surveying	1	allow	$ 10,000.00	$ 10,000	
Construction Fence - Construction Entrance	2	ea	$ 10,000.00	$ 20,000	
Construction Fence - Install Fence	1,500	lf	$ 10.00	$ 15,000	
Construction Fence - Maintain	1,500	lf	$ 3.00	$ 4,500	
Construction Fence - Remove	1,500	lf	$ 5.00	$ 7,500	
G1040 Hazardous Waste Remediation					
Hazardous Waste Remediation	-	allow	$ -	$ -	Excluded.
G10 - SITE PREPARATION TOTAL				**$ 732,900**	
G20 SITE IMPROVEMENTS					
G2010 Roadways					
Offsite Roadwork	-	ls	$ -	$ -	None Presumed
Traffic Signals/Street Lights	-	ls	$ -	$ -	None Presumed
Offsite Utility Improvements	-	ls	$ -	$ -	Excluded except at utility tie-ins
New Apron/Approach at "Back-Yard"	1	allow	$ 10,000.00	$ 10,000	
Lime/Cement Stabilized SG at "Back-Yard"	3,000	SF	$ 0.75	$ 2,250	
New Heavy Duty Paving at Entry to "Back-Yard"	333	sy	$ 55.00	$ 18,315	
G2020 Parking Lots					
None Assumed					
G2030 Pedestrian Paving					
Pedestrian Hardscape Around Building	10,000	sf	$ 10.00	$ 100,000	5'walks and hardscape @ bldg preimeter
Pedestrian/Patio Hardscape - Terraced	15,000	sf	$ 25.00	$ 375,000	Allowance for "Front and Back" yards
Concrete Sidewalk	1,500	sf	$ 4.00	$ 6,000	New Sidewalk at West perimeter
ADA Pedestrian Connection	1	Allow	$ 50,000.00	$ 50,000	Crossing BKM to Arts Center
G2040 Site Development					
Mechanical Eqpt Pads	-	cy	$ -	$ -	none shown
Dumpster Pads	-	cy	$ -	$ -	none shown
Retaining Walls - Terraced Areas	-	cy	$ -	$ -	See hardscape above
CIP Concrete Steps - Terraced Areas	-	sf	$ -	$ -	See hardscape above
Misc Site Amenities Allowance - may include bicycle racks, benches, trash/recycle bins, etc	1	allow	$ 25,000.00	$ 25,000	

SITEWORK

	DESCRIPTION	QTY	UNIT	UNIT $	SUBTOTAL	COMMENTS
	Bollards	1	allow	$ 5,000.00	$ 5,000	Allowance
G2050	**Landscaping**					
	Light density plantings	15,000	SF	$ 3.50	$ 52,500	
	Medium density plantings	15,000	SF	$ 5.50	$ 82,500	
	Heavy density plantings	10,000	SF	$ 7.50	$ 75,000	
	Irrigation	40,000	SF	$ 1.50	$ 60,000	
	Water Feature	-	allow	$ 100,000.00	$ -	Excluded
	G20 - SITE IMPROVEMENTS TOTAL				**$ 861,565**	
G30	**SITE CIVIL/MECHANICAL UTILITIES**					
G3010	**Water Supply & Distribution Systems**					
	Domestic Water Lateral from Existing	150	lf	$ 45.00	$ 6,750	
	Connect Domestic to Existing	1	EA	$ 5,000.00	$ 5,000	
	New Domestic Water Meter Vault	1	EA	$ 15,000.00	$ 15,000	
	Fire Water Lateral from Street	150	LF	$ 65.00	$ 9,750	
	Connect Fire Water to Existing	1	EA	$ 5,000.00	$ 5,000	
	New Fire Meter and BFP	1	EA	$ 20,000.00	$ 20,000	
	CWS Connection to Building	150	LF	$ 250.00	$ 37,500	
	CWR Connection to Building	150	LF	$ 250.00	$ 37,500	
G3020	**Sanitary Sewer Systems**					
	Sanitary Lateral from Existing	150	lf	$ 110.00	$ 16,500	
	Connect to Existing Main	1	ea	$ 5,000.00	$ 5,000	
G3030	**Storm Sewer Systems**					
	Stormwater Management System - Site	2.27	acres	$ 15,000.00	$ 34,091	
	Connect to Existing Main	-	ea	$ 5,000.00	$ -	
	Headwall Outfalls to channel	3	EA	$ 10,000.00	$ 30,000	
	Cistern-Storm Water Detention					None Assumed per Meeting
G3060	**Fuel Distribution Systems**					
	Gas Service	150	lf	$ 50.00	$ 7,500	Sleeve Only
	Connection Fees - Power and Gas	1	allow	$ -	$ -	Presume by Gas company
	Gas Generator Assembly (Backup Generator)	1	allow	$ 75,000.00	$ 75,000	Includes generator and piping to generator
					$ -	
G3070	**Other Civil/Mechanical Activities**				$ -	
					$ -	
	G30 - SITE CIVIL/MECHANICAL UTILITIES TOTAL				**$ 304,591**	
G40	**SITE ELECTRICAL UTILITIES**					
G4010	**Electrical Distribution**					
	Electrical Service to Building	150	lf	$ 200.00	$ 30,000	
	Connection Fees - Power	1	allow	$ -	$ -	Presume by Power company
G4020	**Site Lighting**					
	Site Lighting	1	allow	$ 75,000.00	$ 75,000	
G4030	**Site Communications & Security**					
	Fiber & Comm conduit/boxes	150	lf	$ 100.00	$ 15,000	
G4040	**Other Site Electrical Activities**					
	G40 - SITE ELECTRICAL UTILITIES TOTAL				**$ 120,000**	
	TOTAL G - BUILDING SITEWORK				**$ 2,019,056**	
Z	**GENERAL CONDITIONS**					
Z10	**GENERAL CONDITIONS/REQUIREMENTS**					
	General Conditions	6%	ls	$ 2,019,056	$ 121,143	COW @ 6%
	Z10 - GENERAL CONDITIONS/REQUIREMENTS TOTAL				**$ 121,143**	
	TOTAL Z - GENERAL CONDITIONS				**$ 121,143**	
	SITEWORK TOTAL				**$ 2,140,199**	

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