Perkins&Will

University of Tennessee Martin

College of Business & Global Affairs Programming

Programming Report

University of Tennessee Project:

‘Northwest Tennessee Arts Center and College of Business and Global Affairs Programming Project’

June 8, 2022

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Contents

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Section 01
Project Overview

Executive Summary
Organizational Chart
Project Team
Project Timeline

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Executive Summary Statement

Executive Summary Statement

The purpose of this study is to develop programmatic information, cost estimation and conceptual planning for a new College of Business and Global Affairs building. The study will focus on advancing the critical role of the College in alignment with the AACSB requirements and gather all business school functions into one collaborative, engaging, interactive, and versatile teaching and learning environment. The project will a create state of the art facility and infrastructure to prepare UT-M students for success in a global environment through emphasis on excellence in teaching, research, ethical leadership, diversity, and experiential learning.

The building will include Learning Laboratories and Classrooms, Dean and Faculty offices, Student Success Center for program administration and student services, Executive and Enterprise Center, common and shared facility areas organized around a central community gather lobby area.

The College plans to increase undergraduate enrollment by an additional 350 students and expand their mostly online graduate program by an additional 25 students within the next five years.

Key planning and programming objectives to support the growth include:

1. Elevating the student experience through a robust, one-stop Student Success Center

2. Expanding outreach and economic development through a visible and central Enterprise and Executive Center.

3. Enhanced visibility and recruitment opportunities for undergraduate and graduate programs.

4. High quality research and thought leadership through experiential learning.

Project Data

University of Tennessee, Martin

College of Business and Global Affairs

100 Business Administration, Martin, Tennessee 38238

Scope of Work

Demolition of existing 30,000 SF Business Administration building

New Construction of approximately 63,115 gross square feet

Statement of Need

The existing building was not intended to house the College of Business and Global Affairs. Originally a dormitory building, the layout and accessibility do not align to the goals of the college nor the vision for teaching and engagement. The College strives to meet and exceed the requirements for their Association of Advanced Collegiate Schools of Business (AASCB) accreditation.

Project Process

The programming effort for the College of Business and Global Affairs building ran parallel with the Northwest Tennessee Arts Center, College of Humanities Programming project. While separate projects and deliverables, assumptions for campus infrastructure concepts and associated costs are suggested in the Cost Summary. Refer to Cost Estimate.

The University of Tennessee Martin campus is simultaneously conducting a campus masterplan. Schedules for project efforts were run in parallel.

The College of Business and Global Affairs programming process included:

Workshop 1 – February 9-10, 2022

Session 1 - Roadmap, Schedule, Campus and Site Review

Session 2 – Existing Program Review

Attendees: Project Advisory Committee, User Stakeholders

Workshop 2 – March 3-4, 2022

Session 1 – Focus Sessions: Student Services, Department and Administration, Learning and Technology, Community Spaces, Outreach Centers

Session 2 – Site, Systems, Infrastructure

Attendees: Project Advisory Committee, Project Executive Committee

Workshop 3 – April 13, 2022

Session 1 - Massing, Stacking and Programming

Session 2 – Site, Systems, Infrastructure

Attendees: Project Advisory Committee, Project Executive Committee

Workshop 4 – May 4, 2022

Session 1 – Final Massing and Program

Session 2 – Final Site, Systems and Infrastructure

Attendees: Project Advisory Committee, Project Executive Committee

Documents referenced as part of this project:

University of Tennessee Martin Campus Plans

University of Tennessee Martin 2021 Design Criteria

University of Tennessee Martin 2010 Masterplan with Refinements

UTM College of Business and Global Affairs 2021 Strategic Plan

UTM College of Business and Global Affairs Classroom Utilization Schedules: Fall 2019, Fall 2021, Spring 2022

UTM College of Business and Global Affairs 2022 Faculty and Student Survey

UTM College of Business and Global Affairs 2017 Existing Floor Plans

UTM College of Business and Global Affairs 2007 HVAC Improvement Plans

Organizational Chart

Stakeholder Engagement

UT System, Dept of Capital Projects

Benjamin Luttrell, UT System, Dept of Capital Projects

Project Executive Committee

Petra Rencher McPhearson, Sr Vice Chancellor for Finance and Administration
Phillip Acree Cavalier, PHD, Provost and Sr Vice Chancellor for Academic Affairs

Project Advisory Committee

Brad Burkett, Dana Hagan, UTM Facilities
Ahmad Tootoonchi, CBGA

Program Leadership Team

Behind the scenes College/Program Leadership

Communication through:
Liaisons Brad Burkett, Dana Hagan

User Stakeholders

CBGA
Dr. Mark Farley
Dr. Lajuan Davis
Dr. Patrick Baker
Dr. Derek Ezell
Dr. Will Kang
Dr. Adnan Rasool

Ms Jenny Killebrew
Ms Lorrie Jackson
Mr Ahmad Tootoonchi

Focus Groups

Facilities Management
Energy Management, Sustainability
Campus Landscape

Liaisons: Brad Burkett, Dana Hagan

Project Team

UNIVERSITY OF TENNESSEE SYSTEM, DEPARTMENT OF CAPITAL PROJECTS - PROJECT MANAGEMENT

Project Manager - Benjamin Luttrell

UNIVERSITY OF TENNESSEE, MARTIN - FACILITIES & PROJECT MANAGEMENT

Brad Burkett
Dana Hagan

PROJECT ADVISORY COMMITTEE - COLLEGE OF BUSINESS AND GLOBAL AFFAIRS

Dean Ahmad Tootoonchi, Lead Program Stakeholder

COLLEGE OF BUSINESS AND GLOBAL AFFAIRS, USER GROUPS

Mark Farley
Lajuan Davis
Patrick Baker
Derek Ezell
Will Kang
Adnan Razool
Jenny Killebrew
Lorie Jackson

UNIVERSITY OF TENNESSEE, MARTIN - FACILITIES

David Rinks
Christopher Virgin

PERKINS AND WILL - ARCHITECTURE

Jill Vowels, Project Manager, Business Education Planner
Jeff Ziebarth, Principal in Charge, Business Education Planner
Dave Koenen, Designer
Tyler MacNeal, Designer

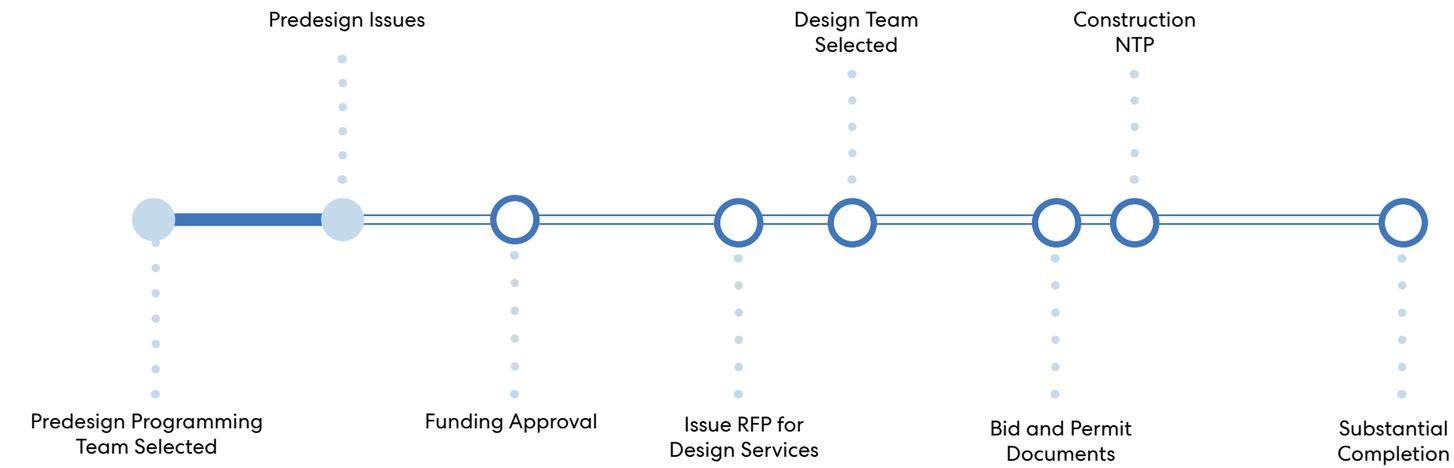
PERKINS AND WILL - LANDSCAPE ARCHITECTURE

Vanessa Eickhoff, Senior Landscape Architect
Mitali Naik, Landscape Designer

SSR INC - MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, STRUCTURAL
Mark Haldeman, Project Manager, Principal in Charge
Daniel Rucker, Mechanical Engineer
Ting Sirimoungkhons, Plumbing Engineer
Tyler Ferguson, Electrical Engineer
Kristen Haltom, Structural Engineer

TOTAL ESTIMATING - COST ESTIMATING
Marc Naylor, Lead Estimating Manager
Doug Warren, Cost Estimator

Project Timeline



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Section 02.
Program Information

Existing Analysis
Strategic Plan Alignment
Project Vision
Proposed Program and Adjacencies
Program Precedents

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Existing Analysis

College of Business and Global Affairs

Existing Classroom space at Level 1

Existing typical double-loaded corridor

University of Tennesee Martin, Original Building, 1950

https://www.utm.edu/departments/special_collections/college_history/business.php

Name(s) of Buildings: Men's Residence Hall; Browning Hall; Business Administration Building

Existing Building and Program - Original Construction

"The existing College of Business and Global Affairs building was constructed in 1950. The postwar enrollment boom illustrated the need for new men's housing. To keep up with demand, Moody Avenue was closed between University and Hurt streets, and a new men's residence hall was built almost atop the old street in 1951. It was designed to house 150 students and contained the Student Recreation Center, sometimes referred to as "the Wagon Wheel." The structure was conceived to have symmetrical wings running at right angles to its ends, but only part of one wing on the north was ever built. On December 5, 1966, the building was officially dubbed Browning Hall in honor of Governor Gordon Browning. Between 1967 and 1973 the building was used as both a women's and men's dormitory.

In 1975, the building was converted from a dormitory into offices and classrooms. Two years later the Business Administration Department relocated to Browning Hall from the Hall-Moody Administration Building. The name was changed from Browning Hall to the Business Administration Building in 1990. At present it houses the College of Business and Global Affairs."

https://www.utm.edu/departments/special_collections/college_history/business.php

Constraints of the Existing Building

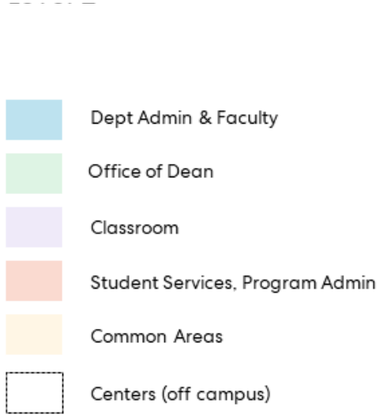
Since it was originally a dormitory, the program spaces within have been adjusted to accommodate the existing structure and room sizes. Classrooms do not accommodate active learning or collaboration, and there is little to no transparency and accessibility of programs and spaces. Due to the constraints of the original dormitory building, the double-loaded corridors are long and Faculty/Staff are difficult to find. The existing space has limited any open collaboration, study, and community spaces, and therefore the College has no place to come together as a community, utilizing spaces in other campus buildings.

Additionally, the existing building is raised to enter at Level 2. The Level 1 program spaces include Classrooms and Offices, which have very little daylight.

Existing Analysis

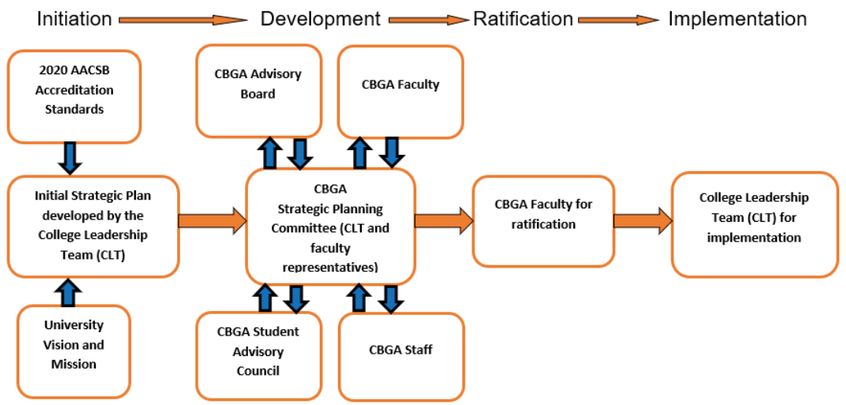
Existing Building Program Diagrams

Right: Existing Level 2 Plan
Bottom Right: Existing Level 1 Plan
Bottom Left: Existing Basement Level Plan



Strategic Plan Alignment

College of Business and Global Affairs



Vision Statement

CBGA will be recognized for excellence in its academic and experiential learning programs.

Mission Statement

CBGA prepares students for success in the global environment through emphasis on excellence in teaching, research, ethical leadership, diversity, and experiential learning.

Alignment to Core Values

Excellence through high quality programs, small classes, and innovative teaching.

Engagement through students' interactions with peers, faculty, staff, business community, and society.

Experiential learning through impactful projects, internships, and travel-studies.

Entrepreneurial spirit through opportunities to transform ideas to products and services.

CBGA Master Goals

Goal I: Encourage and reward teaching excellence that impacts learning.

- Provide financial and structural support for implementation of instructional technologies.
- Facilitate and reward pedagogical research.

Goal II: Encourage and reward research excellence that impacts business and society.

- Redefine CBGA faculty qualification standards with emphasis on publication of research articles in peer-reviewed journals.
- Encourage collaboration between faculty and regional business on research projects.
- Establish a Faculty Development Committee to facilitate/support high-quality research.
- Review and redesign CBGA's outstanding research award.

Goal III: Develop graduates with ethical, inclusive, and global mindset.

- Facilitate students' engagement with business, community, and government leaders.
- Expand Student Development Series (e.g., Executive in Residence).
- Continue incorporation of "ethics" in business curricula.
- Establish Diversity and Inclusion taskforce for creation of a more inclusive culture.

Goal IV: Provide experiential learning opportunities for faculty, staff, and students.

- Establish Student Engagement and Scholarship Committee for expanding engagement in experiential learning.
- Establish Global Experiential Learning Council to develop guidelines for faculty, staff, and students' global experiences.
- Provide financial support for faculty, staff, and students' experiential learning.

Goal V: Encourage, promote, and support regional economic development.

- Prepare students to become productive employees.
- Partner with regional businesses and agencies to engage students in relevant experiential learning activities.
- Take an active role in student recruitment and retention

University of Tennessee, Martin
College of Business and Global Affairs (CBGA)

Project Vision

Purpose

Gather all business school functions into one collaborative, engaging, interactive, and versatile teaching and learning environment for the College of Business and Global Affairs.

Greater Purpose

Create a state-of-the-art facility and infrastructure to prepare our students for success in the global environment through emphasis on excellence in teaching, research, ethical leadership, diversity, and experiential learning.

Design Drivers

1. Unify students, faculty, community and CBGA Advisory Board within an interwoven business complex.
2. Establish dynamic spaces that promote innovation, engagement, entrepreneurship, and outreach to meet the economic and societal challenges; regionally, nationally, and globally.
3. Elevate the student experience through a robust, one-stop Student Success Center.
4. Expand community outreach and economic development through a robust, one-stop Enterprise and Executive Center.
5. Enhance visibility and recruitment opportunity for undergraduate and graduate programs.
6. Inspire high quality research and thought leadership through experiential learning.

Proposed Program and Adjacency

1.0 Instructional Spaces

University of Tennessee Martin
College of Business & Global Affairs

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Updated: 2.10.22;3.3.22;3.9.22

			EXISTING		PROPOSED				Total		Total	%	
HEIGS No.	Program Designator	Function	QTY	CAPACITY	QTY	NSF/P	CAPACITY	NSF	NSF	Subtotal	SF	of overall	Comments
	1.0	**Instructional Spaces**											
	1.1	***Learning Laboratories***											
838	1.1.1	Financial Markets Learning Lab - Murray Lab (Fi	1	24	1	30	40	1200	1200				12 terminals existing + 24 computer stations; expand bloomberg? Anticipate 16-20 bloomberg
838	1.1.2	Professsional Sales Lab/Mock Court			1	40	30	1200	1200				presentation space, non-trad clasroom environ: pitch room; flex w/ training purposes
838	1.1.3	Computer Teaching + Vizualization Lab	2		1	30	40	1200	1200				
838	1.1.4	MIS Computer Lab (Hardware)			1	30	30	900	900				
		Data Analytics Lab			0	30	30	900	0				
838	1.1.5	Writing Lab	1		1	30	24	720	720				
		Subtotal			5				5,220	5,220			
	1.2	***Leaning Environments***											
838	1.2.1	Auditorium	0		1	15	200	3000	3000				WS4 - revised to 200 fixed chairs with tablet arms only.
838	1.2.2	Studio Enterprise/Design Thinking	0		1	30	30	900	900				
838	1.2.3	Large Classroom	1		1	28	65	1820	1820				
838	1.2.4	Medium Classrooms	2		2	28	45	1260	2520				One Medium Classroom to have upgraded finishes for MBA use as well
838	1.2.5	Active Learning Classroom			1	30	30	900	900				Capstone
838	1.2.6	Small Classrooms	8		5	30	30	900	4500				
		Subtotal			11				13,640	13,640			
		Total Instructional Spaces								18,860	18,860	49%	600

Program and Adjacency

2.0 College Administration

University of Tennessee Martin
College of Business & Global Affairs

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Updated: 2.10.22;3.3.22;3.9.22

			EXISTING		PROPOSED				Total		Total	%	
HEIGS No.	Program Designator	Function	QTY	CAPACITY	QTY	NSF/P	CAPACITY	NSF	NSF	Subtotal	SF	of overall	Comments
	2.0	**College of Business & Global Affairs**											
	2.1	***Office of the Dean***											
506	2.1.1	Deans Office	1		1	200	1	200	200				
506	2.1.2	Associate Dean	0		1	150	1	150	150				*future hire*
506	2.1.3	Assistant to the Dean	1		1	120	1	120	120				
506	2.1.4	Student Assistant	1		2	50	1	50	100				
506	2.1.5	Reception Area	1		1	40	6	240	240				big, with desk
506	2.1.6	Conference Room	1	10	1	30	8	240	240				co-use as work room for AACB guests
506	2.1.7	Work room / copy	1		1	100	-	100	100				
506	2.1.8	Storage	1		1	100	-	100	100				
		Internal Circulation							225				
		Subtotal							1,475	1,475			
		Total CBGA Administrative Offices			**9**					**1,475**	**1,475**	**4%**	

Program and Adjacency

3.0 Department Administration

University of Tennessee Martin
College of Business & Global Affairs

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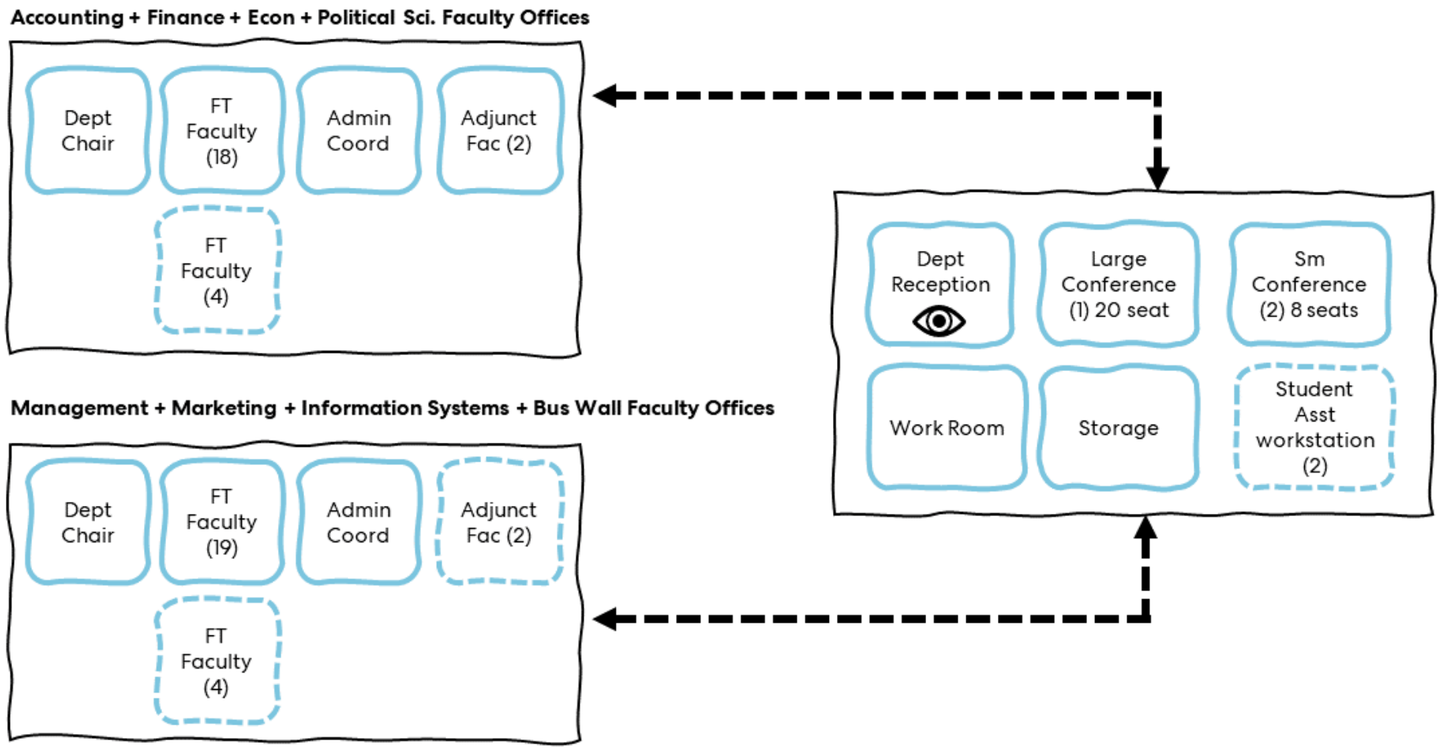
Updated: 2.10.22;3.3.22;3.9.22

HEIGS No.	Program Designator	Function	EXISTING QTY	CAPACITY	PROPOSED QTY	NSF/P	CAPACITY	NSF	Total NSF		Subtotal	Total SF	% of overall	Comments
	3.0	**Departmental Administrative & Faculty Offices**												
	3.1	***Accounting + Finance + Econ + Pol. Sci.+ Bus Law + Inter. Bus. Faculty Offices***												
506	3.1.1	Department Chair	1	100	1	140	1	140	140					adj to Rsch Specialist - interconnected
506	3.1.2	FT Faculty Offices	18	100	18	120	1	120	2160					verify new number
506	3.1.3	Student Faculty Interaction			0	26	4	104	0					
506	3.1.4	Faculty Offices (growth)	0		3	120	1	120	360					
506	3.1.5	Adjunct Faculty	2		2	50	2	100	200					*limited numbers anticipated; shared workspace (2-pack)*
506	3.1.6	Administrative Coord	1		1	100	1	100	100					
		Internal Circulation							533					
		Subtotal			*25*				*3,493*		*3,493*			
	3.2	***Management + Marketing + Information Systems + Bus Comm. Faculty Offices***												
506	3.2.1	Department Chair	1		1	140	1	140	140					adj to Rsch Specialist - interconnected
506	3.2.2	FT Faculty Offices	19		19	120	1	120	2280					verify new number
506	3.2.3	Student Faculty Interaction			0	26	4	104	0					
506	3.2.4	Faculty Offices (growth)	0		2	120	1	120	240					
506	3.2.5	Adjunct Faculty	0		2	50	2	100	200					*limited numbers anticipated; shared workspace (2-pack)*
506	3.2.6	Administrative Coord	1		1	100	1	100	100					
		Internal Circulation							533					
		Subtotal			*25*				*3,493*		*3,493*			
	3.3	**Faculty Development Center: Experiential Learning Leadership Institute**												
506	3.3.1	Office			1	120	1	120	120					
506	3.3.2	Administrative Coord			1	100	1	100	100					
506	3.3.3	Computer Carrels			2	26	4	104	208					
		Internal Circulation			1				77					
									505		*505*			
	3.4	***Administrative Shared Areas***												
506	3.4.1	Reception Area			2	40	4	160	320					reception per depth
506	3.4.2	Departmental Files Storage			2	100	1	100	200					1 storage per dept
506	3.4.3	Student Assistants	0		2	40	1	40	80					2 per department
506	3.4.4	Workroom/Supplies/Copy			2	120	1	120	240					
506	3.4.5	Large Conference Rooms			1	25	20	500	500					
506	3.4.6	Small Conference Rooms			2	30	6	180	360					
		Internal Circulation			1				306					
		Subtotal							*2,006*		*2,006*			
		Total Departmental Administrative & Faculty Offices									9,497	**9,497**	**25%**	

Adjacency

Departments



Program and Adjacency

4.0 Program Administration and Student Services

University of Tennessee Martin
College of Business & Global Affairs

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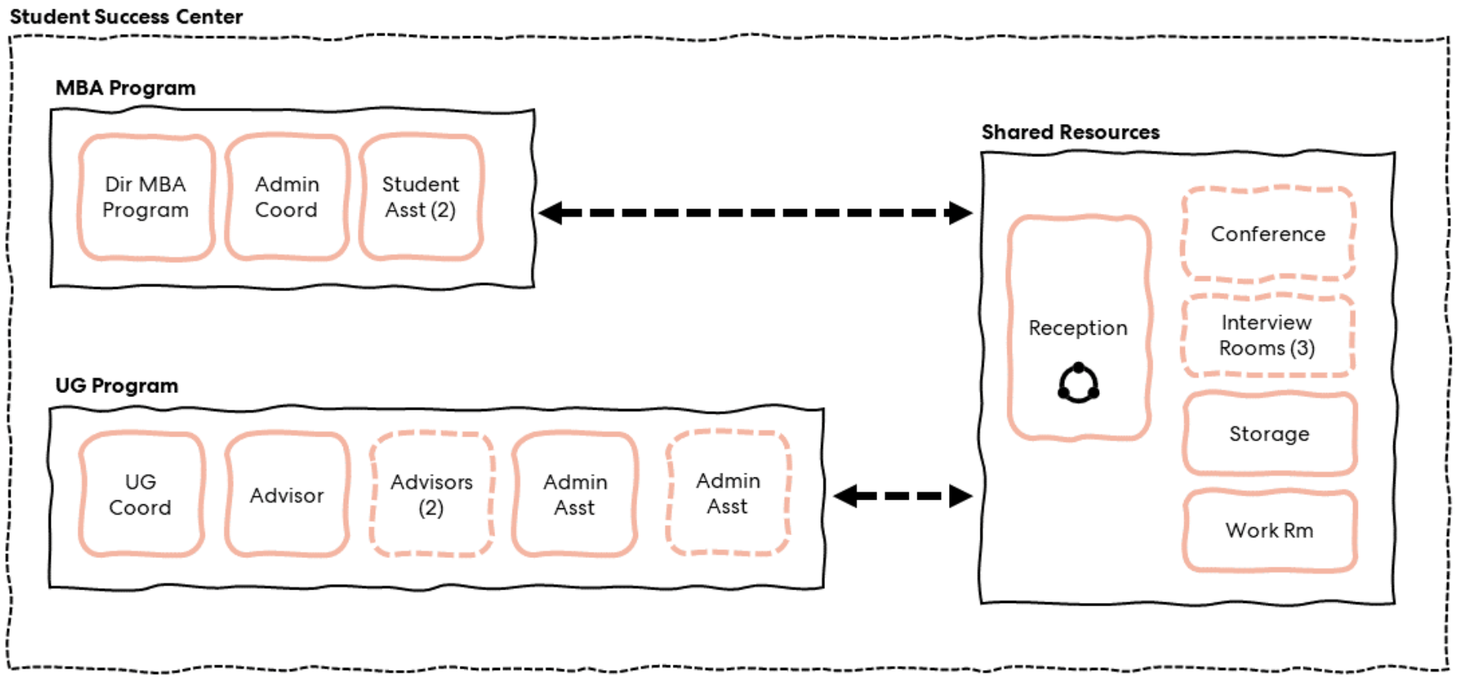
Updated: 2.10.22;3.3.22;3.9.22

			EXISTING		PROPOSED				Total		Total	%	
HEIGS No.	Program Designator	Function	QTY	CAPACITY	QTY	NSF/P	CAPACITY	NSF	NSF	Subtotal	SF	of overall	Comments
	4.0	**Student Success Center - Program Administrative and Student Services Offices**											**integrate into Student Success Center**
	4.1	***Graduate Student Services***											
506	*4.1.1*	Coordinator of MBA Programs (Jenny)	1		1	140	1	140	140				
506	*4.1.2*	Admin Assistant	0		1	100	1	100	100				
506	*4.1.3*	Student Assistants	2		2	40	1	40	80				
		Subtotal							*320*	*320*			
	4.2	***Undergraduate Program***											
506	*4.2.1*	Undergraduate Program Coordinator	0		0	120	1	120	0				
506	*4.2.2*	Academic Advisors	1		2	120	1	120	240				
506	*4.2.3*	Academic Advisors (future)	0		0	100	1	100	0				
506	*4.2.4*	Admin Assistant	1		0	100	1	100	0				
		Subtotal							*240*	*240*			
	4.3	***International Student Services***											
506	*4.3.1*	Coordinator Office			1	120	1	120	120				
		Subtotal							*120*	*120*			
	4.4	***Center for Global Education and Experience (Lorrie)***											*integrate into student success ctr.; manage international travel, scholarships, privacy needed*
506	4.4.1	Coordinator	1		1	150	1	150	150				
506	4.4.2	Assistant	1		1	100	1	100	100				
506	4.4.3	Peer Advisor	1		1	120	1	120	120				*2 person conference*
		Subtotal							*370*	*370*			
	4.5	***CBGA Journals***											
506	*4.5.1*	Editor Offices			2	120	1	120	240				
506	*4.5.2*	Administrative Asst.			1	100	1	100	100				shared open work station
									340	340			
	4.6	***Student Success Center Shared Resources***											
506	*4.6.1*	Reception Area	1		1	40	6	240	240				
506	*4.6.2*	Workroom/Supplies/Copy	1		0			120	0				
506	*4.6.3*	Conference Room			0	30	6	180	0				
506	*4.6.4*	Interview Rooms			0	40	2	80	0				
		Internal Circulation			1				293				
		Subtotal							533	*533*			
		Total Student Success Center								**1,923**	**1,923**	**5%**	

Adjacency

Student Success Center



Program and Adjanency

5.0 Centers

University of Tennessee Martin
College of Business & Global Affairs

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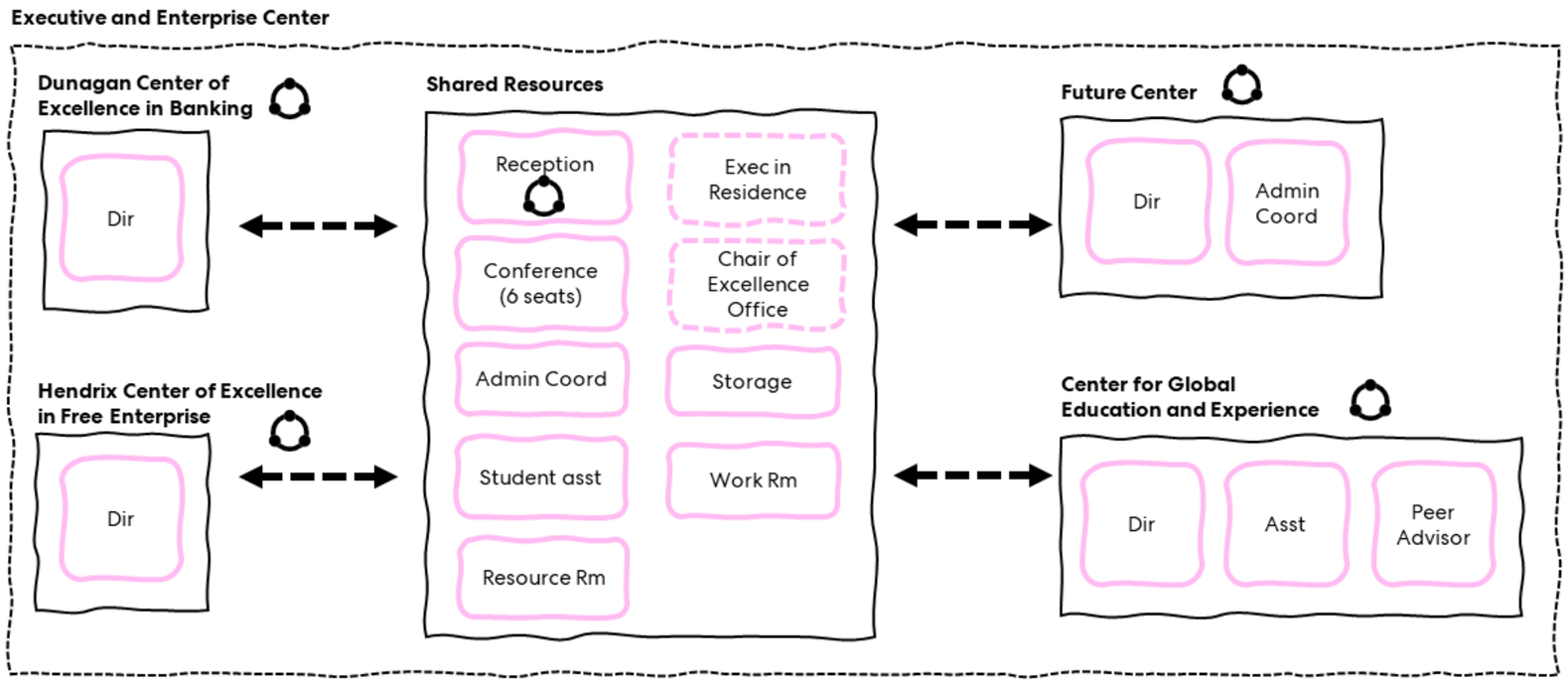
Updated: 2.10.22;3.3.22;3.9.22

			EXISTING		PROPOSED				Total			Total	%	
HEIGS No.	Program Designator	Function	QTY	CAPACITY	QTY	NSF/P	CAPACITY	NSF	NSF		Subtotal	SF	of overall	Comments
	5.0	**Executive + Enterprise Center - Program Admin and Student Services**												
	5.1	***Dunagan Center of Excellence in Banking***												
		Director (Mr Clark) non-faculty	1		1	**140**	1	140	140					*outreach and student focused*
		Admin Staff			0.5	100	1	100	50					
		Subtotal							*190*		*190*			
	5.2	***Hendrix Center of Excellence in Free Enterprise (Dr. Kates), Mgmnt Faculty***												
		Director	1		1	**140**	1	140	140					
		Admin Staff			0.5	100	1	100	50					
		Subtotal							*190*		*190*			
	5.3	***Outreach and Centers Shared Areas***												
		Reception			1	40	4	160	160					
		Resource Area			1	40	3	120	120					
		Student Assistants			1	40	1	40	40					
		Conference Room			1	25	**8**	200	200					*use board room for larger meetings or Deans Conference Room*
		Workroom/Copy/Files/Storage			1	120		120	120					
		Chair of Excellence			0	120	1	120	0					
		Executive in Residence Offices	1		1	**140**	1	140	140					
		Subtotal							*780*		*780*			
		Centers Internal Circulation			1				209		*209*			
		Total Executive + Enterprise									**1,369**	**1,369**	**3%**	

Adjacencies

Executive and Enterprise Center



Program and Adjacency

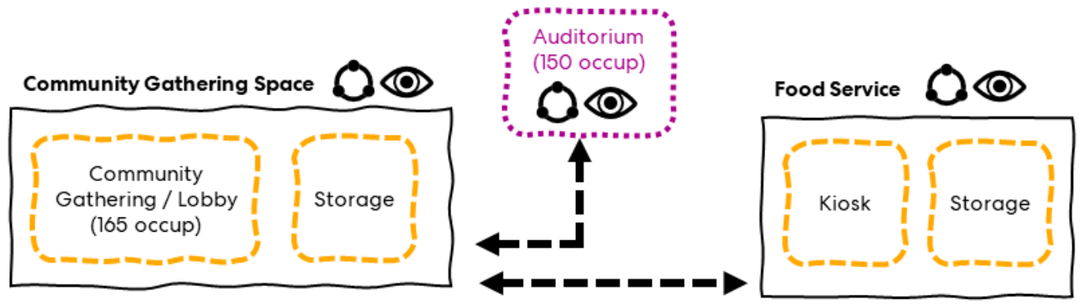
6.0 Common Areas

Shared Facilities

University of Tennessee Martin
College of Business & Global Affairs

Perkins&Will_archimania
Updated: 2.10.22;3.3.22;3.9.22

			EXISTING		PROPOSED				Total		Total	%	
HEIGS No.	Program Designator	Function	QTY	CAPACITY	QTY	NSF/P	CAPACITY	NSF	NSF	Subtotal	SF	of overall	Comments
	6.0	**Common Areas**											
	6.1	***Community Areas***											
501	6.1.1	Community Gathering and Lobby	0		1	15	165	2475	2475				event space for banquents/ co-locate with lecture event:
501	6.1.2	Storage			1			200	200				combined 350 ppl: ballroom space for FAC retreat, round tables
		Subtotal							*2,675*	*2,675*			furniture storage
	6.2	***Food Service***											
501	6.2.1	Food Venue	0		1	20	10	200	200				"Starbuck Like"
501	6.2.2	Support_Storage_Servery	0		1			100	100				
		Subtotal							*300*	*300*			
	6.3	***Study Areas***											
501	6.3.1	Quiet Study Room	1		0	30	30	900	0				casual seating
501	6.3.2	Touchdown/Nooks and Crannies	2		10	20	2	40	400				
		Subtotal							*400*	*400*			
	6.4	***Team Rooms/Group Study***											
501	6.4.1	Small Group Study Room	0		5	25	5	125	625				
501	6.4.2	Focus Room (1-2 person)	0		10	20	2	40	400				
		Subtotal							*1,025*	*1,025*			
		Total Common Areas								**4,400**	**4,400**	**11%**	



Program and Adjacency

7.0 Building and Program Support

University of Tennessee Martin
College of Business & Global Affairs

Perkins&Will_archimania
Updated: 2.10.22;3.3.22;3.9.22

			EXISTING		PROPOSED				Total		Total	%	
HEIGS No.	Program Designator	Function	QTY	CAPACITY	QTY	NSF/P	CAPACITY	NSF	NSF	Subtotal	SF	of overall	Comments
	7.0	**Shared Facilities**											
	7.1	***Student Organization and Support***											6 student orgs currently, to grow
501	7.1.1	Student Organization Meeting Area	0		0	6	25	150	0				utilize shared conference
501	7.1.2	Student Organization Storage Area			1			100	100				ice chests, lockable
		Subtotal							100	100			
	7.2	***Executive Board Room***											
501	7.2.1	Board Room	0		1	30	30	900	900				24-30 seats
501	7.2.2	Pantry/Serving Area	0		1			100	100				
		Subtotal							1,000	1,000			
	7.3	***Multi-Purpose Flex Room***											
		Colloquium	0		0	30	25	750	0				visible to community gathering area
		Subtotal							-	-			
		Total Shared Facilities								**1,100**	**1,100**	**3%**	**40%**

Program and Adjacency

8.0 Building and Program

Summary

University of Tennessee Martin
College of Business & Global Affairs

Perkins&Will_archimania
Updated: 2.10.22;3.3.22;3.9.22

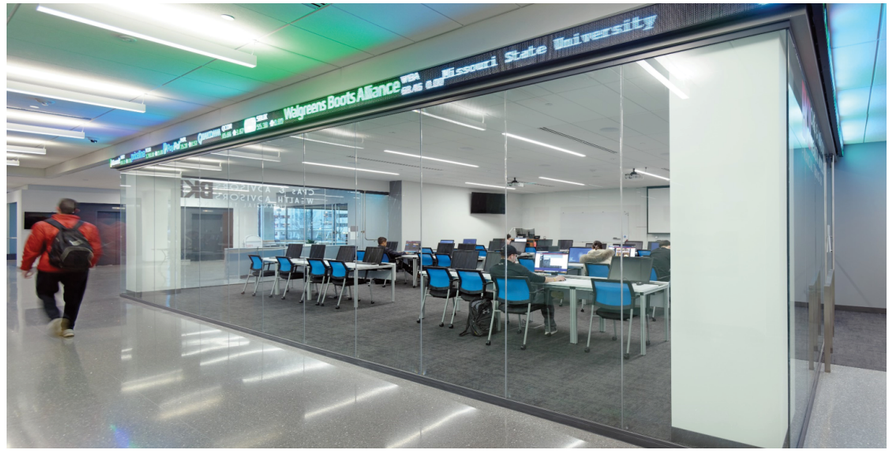
			EXISTING		PROPOSED				Total			Total	%	
HEIGS No.	Program Designator	Function	QTY	CAPACITY	QTY	NSF/P	CAPACITY	NSF	NSF		Subtotal	SF	of overall	Comments
		Total Assignable Areas										**39,324**	**40%**	**Social Learning Seats**
	8.0	**Building + Program Support Areas**												
	8.1	***Building + Program Support Areas***												
	8.1.1	Building Circulation Systems			1									
	8.1.2	Vestibules			1									
	8.1.3	Restrooms			1									
	8.1.4	Janitor			1									
	8.1.5	General Building Storage			1									
	8.1.6	Receiving/Loading Area	1		1									
	8.1.7	Mechanical Systems												
	8.1.7a	Mechanical Equipment			1									
	8.1.7b	Mechanical Shafts			1									
	8.1.8	Electrical Systems												
	8.1.8a	Electrical Equipment			1									
	8.1.8b	Electrical & Telecommunication Closets			1									
	8.1.9	Structure/Exterior Walls/Partitions			1									
		Total Program + Building Support Areas												
		Total Gross Building Area										***63,115***		
		Net/Gross										***62%***		
		GSF/Student										**42**		

Program Precedents

Collaborative Learning Spaces

Above: Design Thinking Classroom

Below: Enterprise Classroom



Top: Financial Market Lab

Middle: Flexible Classroom

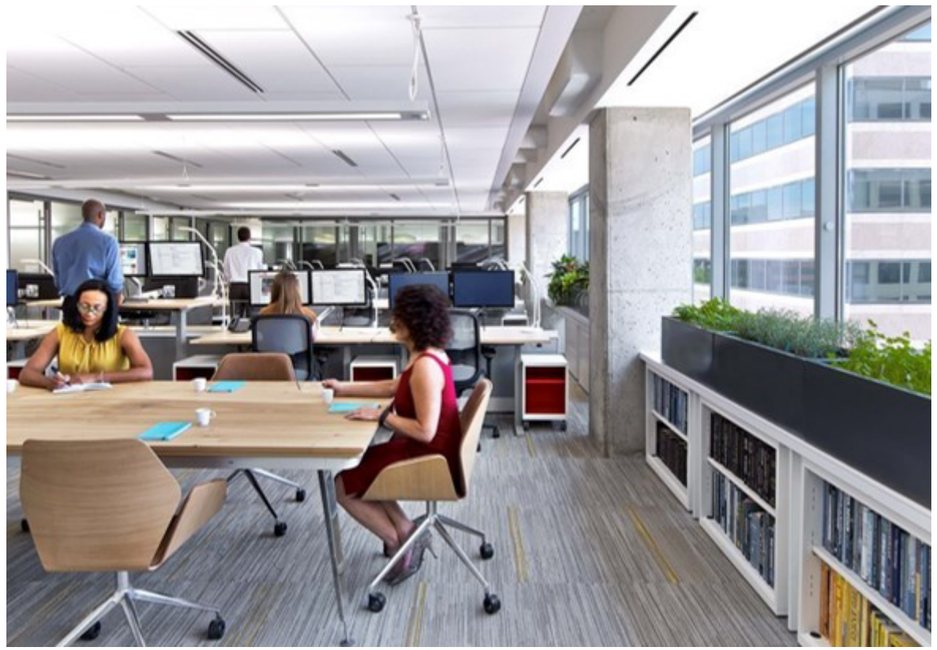
Bottom: Visualization Lab

Program Precedents

Teaming Spaces

Program Precedents

Community Spaces - Transparency, Access



Section 03.
Site Analysis and Concept

Site Analysis
Building Concept
Concept Plans
Concept Renderings

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Site Analysis

Site Description

The College of Business and Global Affairs (CBGA) building will replace the existing building on the east end of campus. This prominent position is bordered by University Street at the north, Lovelace Avenue at the east, Hurt Street to the South, and the Quad to the West. The redevelopment of this site will re-envision this eastern gateway to campus, and the campus connection with the surrounding community and to downtown Martin.

Existing Conditions

The existing L-shaped building is set back from Lovelace Ave approximately 250' with the long axis in a north – south orientation. The service entrance drive is from Lovelace Ave. The drive connects the service, ADA parking, and traffic flow to two surface parking lots to the south with and additional exit at Lovelace near Hurt Street.

Several highly used pedestrian connections flank the site. An east-west campus walk on the North defines the northern edge of the Quad and provides a continuous pedestrian path . At the west of the site is a pedestrian route connecting residential areas of campus to the south to the Quad, and through to the campus entrance at the north-east.

The Quad with extensive mature tree canopy provides a consistent landscape edge and it will serve as the western limit of work. The existing pedestrian sidewalk along the northern edge of the site bordering will generally serve as the northern limit of work. The southern edge of the site is defined by a grove of trees between the two parking lots.

Site Goals

Goals that have influenced the design for the new landscape include:

- Integration with University of Martin campus
- Preservation, protection, and extension of campus tree canopy as part of the Campus Arboretum status.
- Community face and streetscape along Lovelace Ave.
- Useable outdoor space to support CBGA programs, activities, and daily rhythms to provide an extension of indoor programs
- Accessibility
- Low Maintenance
- Meet State of Tennessee's High Performance Building Requirements

Vechicular Access Requirements

The site design for the new CBGA building will need to accommodate the following vehicular access:

- Fire / Emergency Medical Vehicular Access: Fire and Emergency medical vehicles will be able to access the same routes.

- Service: The main service access area for trash collection, deliveries, and catering is located at the southwest corner of the building with driveway access from Lovelace Ave.

- Parking and Drop-off: Parallel or angled parking is recommended along the edge of the Lovelace Ave. Short term parking will be available along the service drive.

Hardscape and Paving

The following paving type are recommended to match campus standards.

For gathering spaces and entry walks, cast-in-place concrete, wtih medium-to-light sandblast, integral color, sawcut scoring. For connections to existing campus walks and for sidewalk, the finish to match existing (broom finish or sandblast)

To highlight gathering areas or for additional refinement in entry areas, use of local clay pavers with concrete base.

For service driveways, cast-in-place concrete, medium-to-light sandblast, integral color, sawcut scoring, fire truck and truck loading

Concrete Steps

Cast-in-place, reinforced concrete steps will include nosings, tactile warnings, handrails, and visual contrast per campus standards and universal design standards.

Retaining Walls

If site walls are needed to create flat gathering space adjacent to the building, several options for material are appropriate with the campus feel.

-Cast-in-place concrete retaining walls with integral color and sandblasted finished. Incorporate power outlets in these adjacent to outdoor gathering spaces to support event programming and daily student use.

- Cut Limestone stacked walls

Planting Soils

Existing site topsoil to be salvaged and stockpiled, if possible, for amending and re-use prior to planting. Planting soils options include using amended native site soil with supporting amendments per lab testing to confirm it can achieve specifications; or importing planting soils appropriate for designed plant communities at the minimum Planting Soil. Lab test native in place soil and soil components for each soil to be used or amended for planting purposes.

Soil amendments based on lab testing may include the following:

- Compost: Weathered Spent Mushroom Substrate, dark brown fibrous-textured material that is the result of the biological degradation and transformation of green waste organic material, from a local provider.

- Mycorrhizal Fungi Inoculum

- Organic Fertilizer

- Organic Mulch

Site Analysis

Trees and Vegetation

To achieve tree canopy preservation, to continue to build the campus quad feel, and to help minimize ongoing maintenance following establishment, the site vegetation will be a combination of the following vegetation types:

VEGETATION TYPE	DESCRIPTION	SOIL	IRRIGATION
Turf	Turf lawn to match campus standard lawn mix	Imported or amended soil mix to match campus standard for turf lawn	Drip system with smart sensors
Low-Mow Lawn	Fescue-type low-mow lawn, water conserving lawn mix, or eco-lawn flowering mix	Imported or amended site soil, if possible. 12" depth. Till to integrate with existing soil.	Drip system with smart sensors
Native and Adapted Shrubs, Perennials and Ground Covers	Large drifts of native and adapted species that have a wide tolerance for varying cultural conditions – from inundation to drought	Imported or amended site soil, if possible. 12" depth. Till to integrate with existing soil.	Drip system with smart sensors

The landscape will feature a high-quality tree canopy in keeping with UT-Martin's existing status as an Arbor Day Campus. Priority will be given to preserving existing trees. In addition, new trees will be planted such that the resulting tree canopy will exceed the extent of the existing tree canopy impacted by construction.

During construction, tree protection and soil protection zones to be established and reinforced to protect these campus assests.

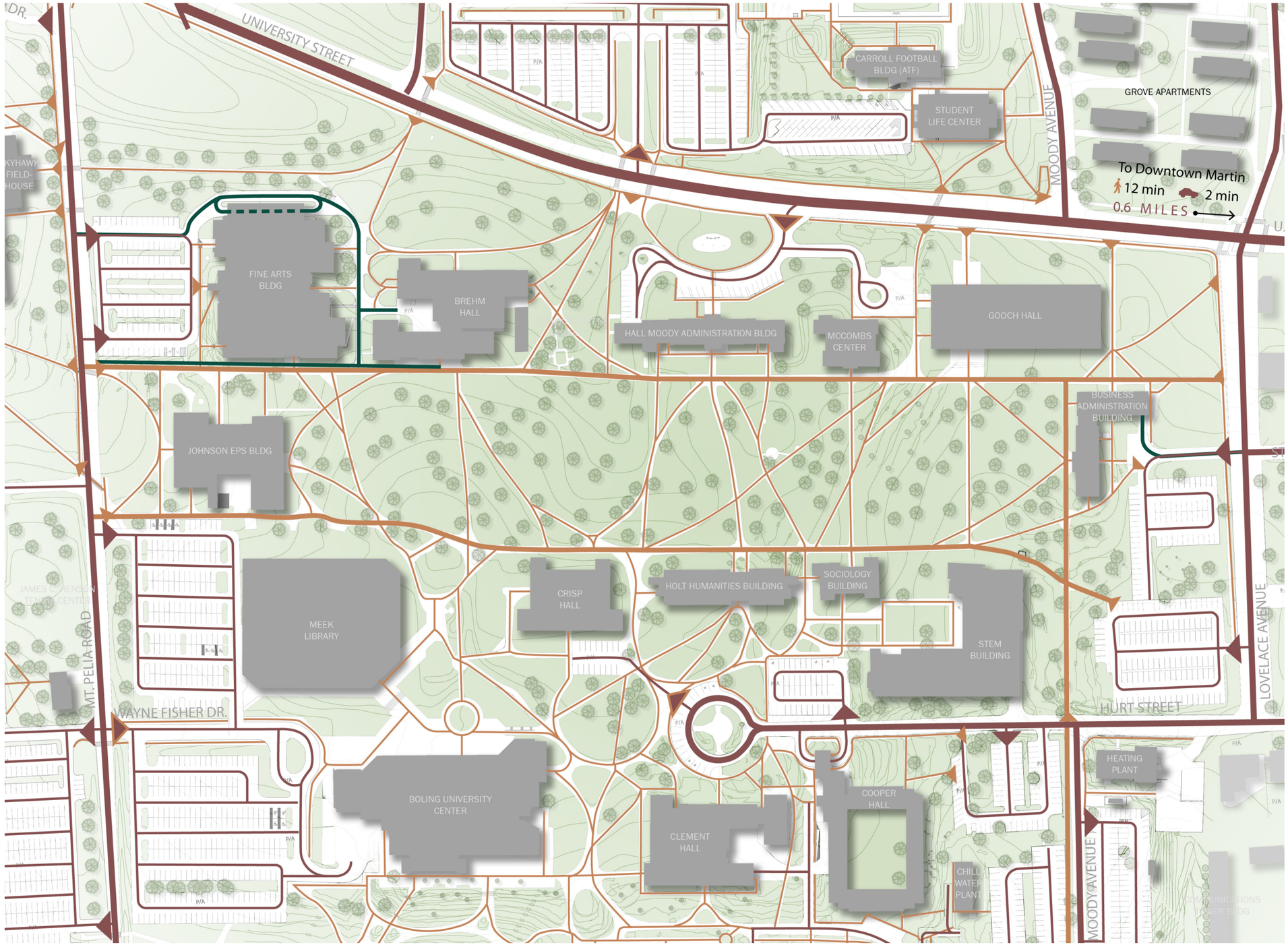
Site Lighting

All site lighting will use LED fixtures, and the site lighting design will be compliant with Tennessee State High Performance Building Standards and campus standards. Site lighting includes:

- Pole-mounted pedestrian lights at pathways
- Building-mounted downlights at entrances and plazas
- Under-bench lights

Circulation

- Service
- Pedestrian
- Vehicular
- Pedestrian Entrance
- Vehicular Entrance
- Pedestrian and Vehicular Entrance



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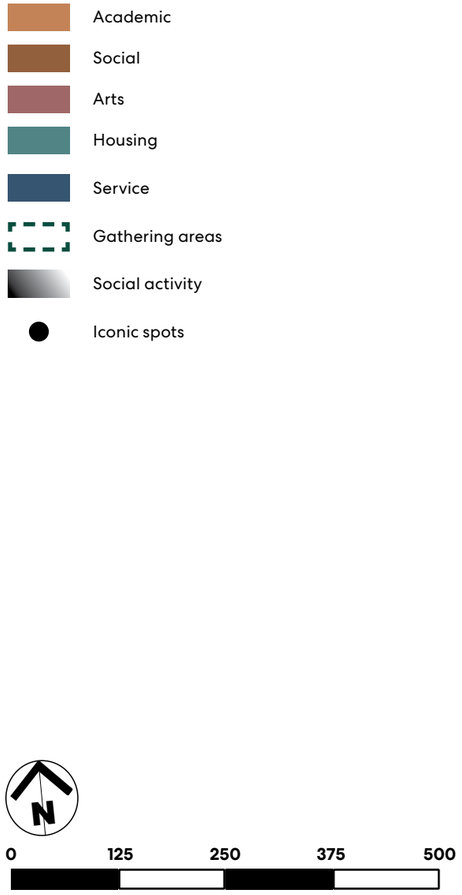
Pedestrian Circulation

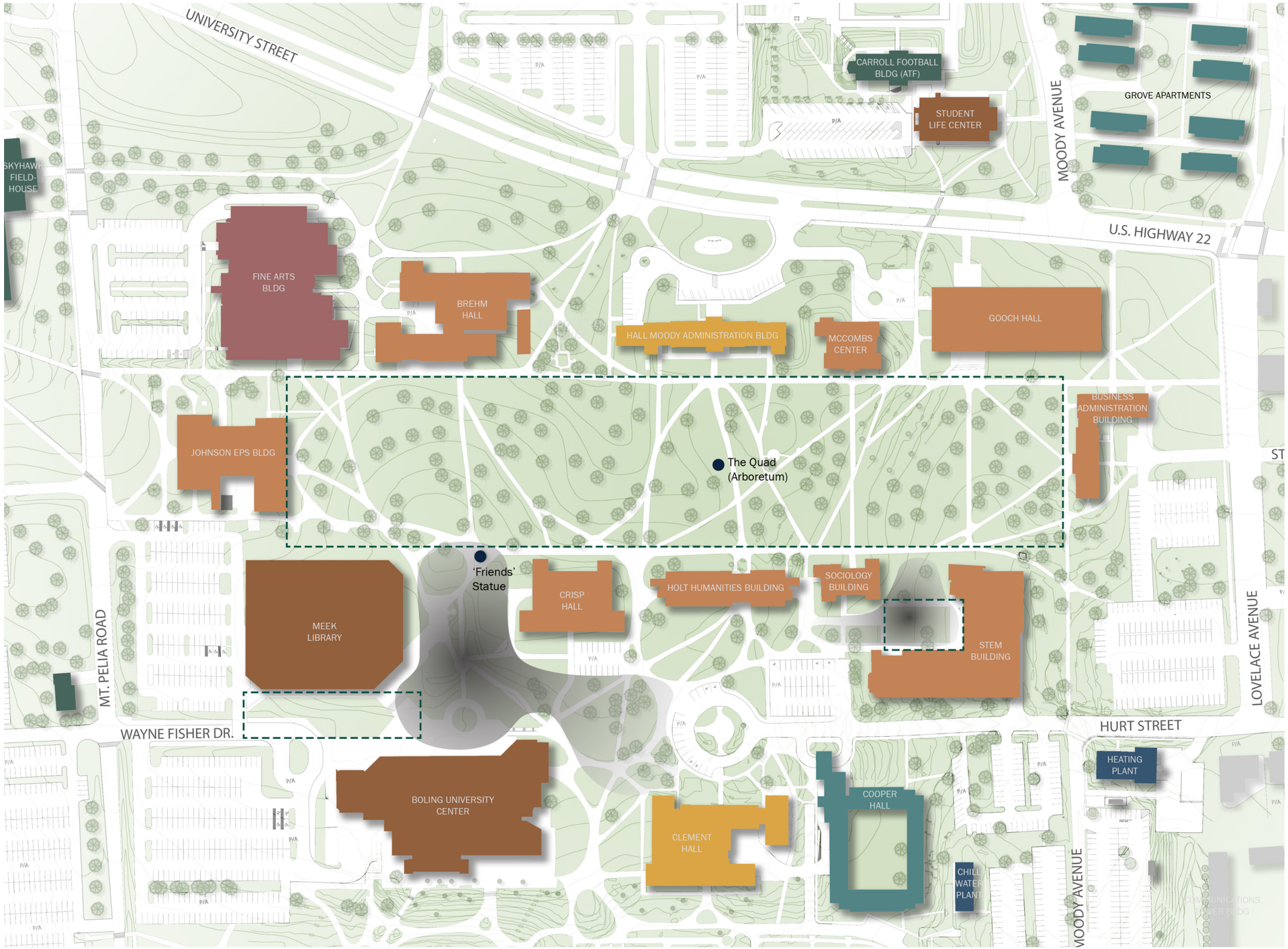
The College of Business and Global Affairs site on campus bookends the campus quad, with a highly visible and improtatnt prominence for the campus and College.

Formal Quad perimeter circulation with informal path of travel paths in between.

Campus Building Programs

- Administration
- Academic
- Social
- Arts
- Housing
- Service
- Gathering areas
- Social activity
- Iconic spots





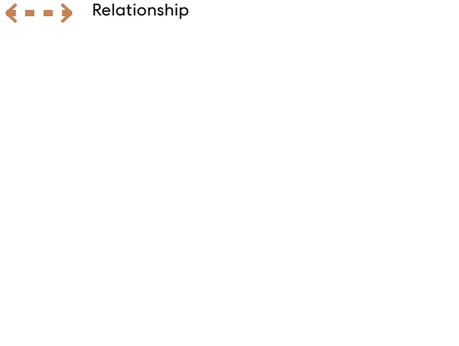
Programs

Mostly academic buildings line the campus quad, with perimter parking and transportation connections.

Building Alignment

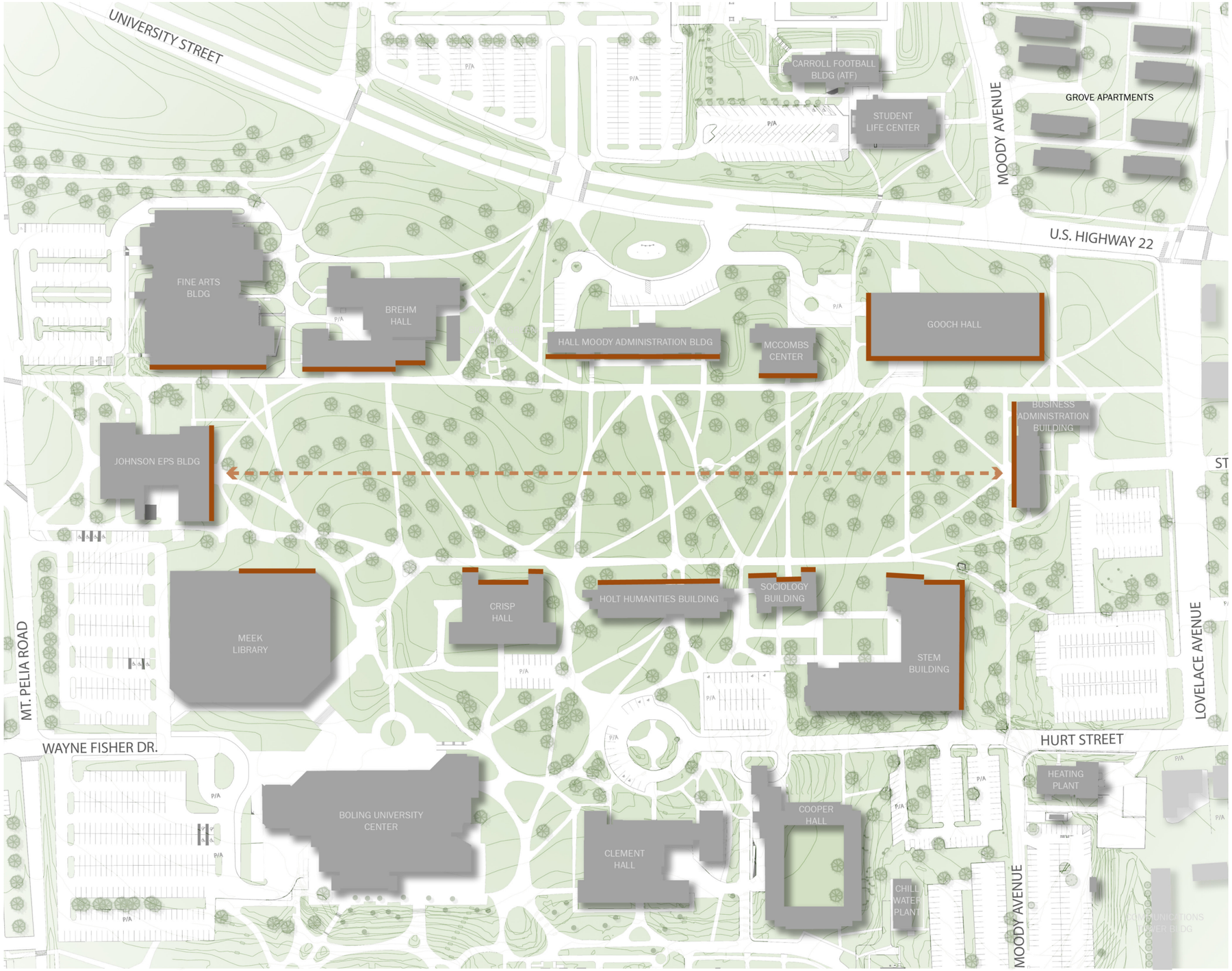
Building Frontage

Relationship



Alignment

Variation exists in the alignment of buildings on the quad, as well as alignment of buildings across from each other on the quad. The existing business building does not align in the east-west direction with the Johnson EPS building opposite. No direct visible connection exists due to the dense tree canopy.

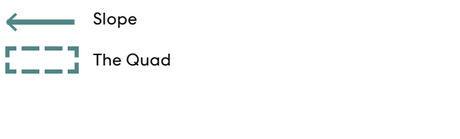


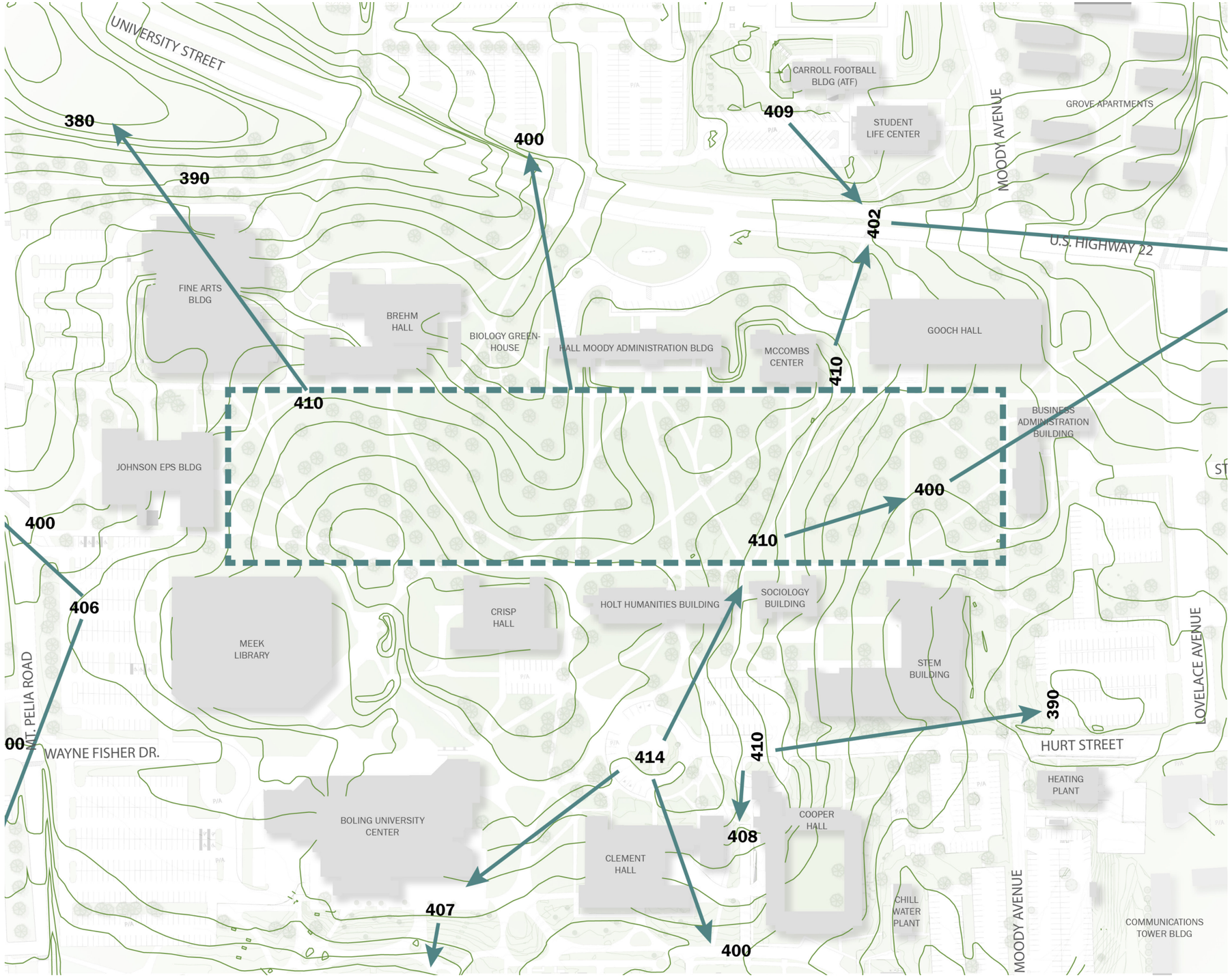
Site Topography

Contours

Slope

The Quad





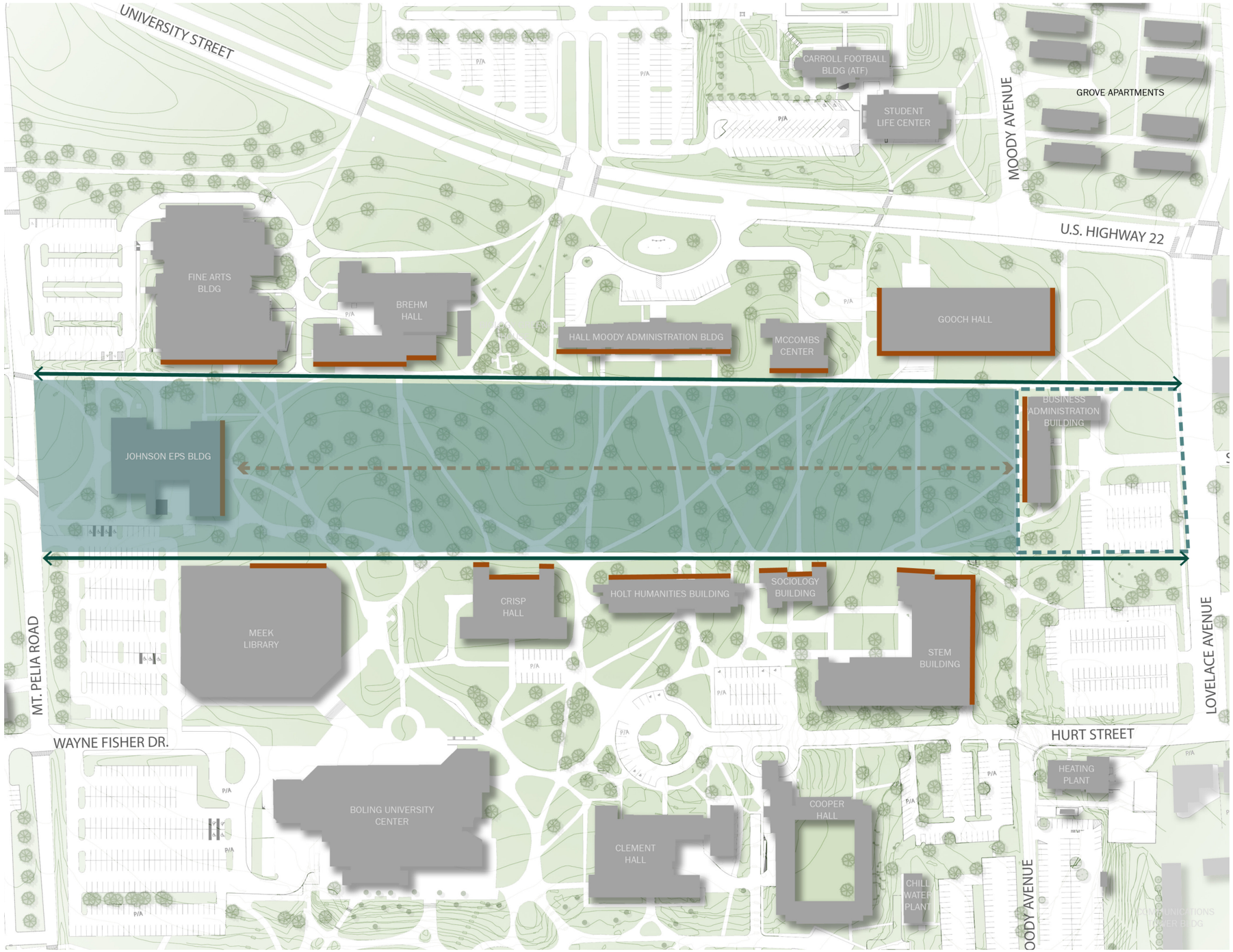
Topography

The existing College of Business and Global Affairs building has very little change in topography on its site. Significant grade change exists across the quad.

Site Opportunities

Extend Campus Green

- Building Frontage
- Relationship
- Pedestrian Edges
- Extension of Campus Green
- Existing Campus Green



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Opportunity to Extend Campus Green

is cus es is exerorupiet vita voloresto volenditia sam, volorro quatenti cus, nonsequ atemper orumenducia conet aut experspid eatur? is cus es is exerorupiet vita voloresto volenditia sam, volorro quatenti cus, nonsequ atemper orumenducia conet aut experspi olorro quaten.

Building Concept

Circulation

The College of Business and Global Affairs site bookends the east end of the campus quad, having very high prominence and visibility at the campus. The existing Quad has very formal perimeter pedestrian circulation, while the transverse pathways through the center follow the direction of travel and informal in nature.

The campus is accessed from the perimeter by vehicles, with surface parking lots located around the campus perimeter. Multiple pedestrian pathways extend beyond the campus to into the community of Martin.

Campus Programming

The Quad's eastern buildings provide mostly academic functions, while the western edge of campus contains arts, library and student center services. Further to the west, arrays of student housing exist.

Building Alignment

Variation exists in the face of building setback from the campus quad, with buildings jogging in and out. Alignment of buildings does not exist across the quad in the north-south direction. The existing College of Business and Global Affairs building does not align in the east-west direction with the Johnson EPS building opposite. No direct visible connection exists due to the dense tree canopy in the campus quad.

Topography

The existing business building site has very little grade change on the building site proper. There is a significant grade change, however, across the campus quad in the east-west direction. Extensive topography in addition to dense tree canopy allows few views across the quad.

Site Opportunities

Opportunity to extend the campus green through the College of Business and Global Affairs project site would allow for both a connection and continuation of the prominent perimeter pedestrian pathways at the quad to extend further east. Orientation of the new building on the site should be considered, to connect across and through, while maintaining the centerline access on the quad.

Building Concept Opportunities

Connection Through Site

The prominent location of the project on the campus quad allows for a unique opportunity to provide a direct connection to the campus green and student engagement to the west, while reaching out to the community of Martin, it's businesses and provide a site for public engagement to the east.

The building should prioritize engaging the campus and students, reaching out to the community, while opening to the campus quad. The building programs offer many opportunities to integrate the campus and business community within the building entry floor in programming that supports student services and College and community public events. The project should prioritize providing visual access through the building, while supporting public indoor and outdoor events.

Massing

The building diagrams highlight the importance of creating a significant community gathering area at the building entry level, which will support both public events and day-to-day student engagement and socialization activities. Physical access and transparency through the building, east to west, will provide visibility of college programming, daylight infiltration, and flexibility in public-private programming for community engagement.

Program Stacking

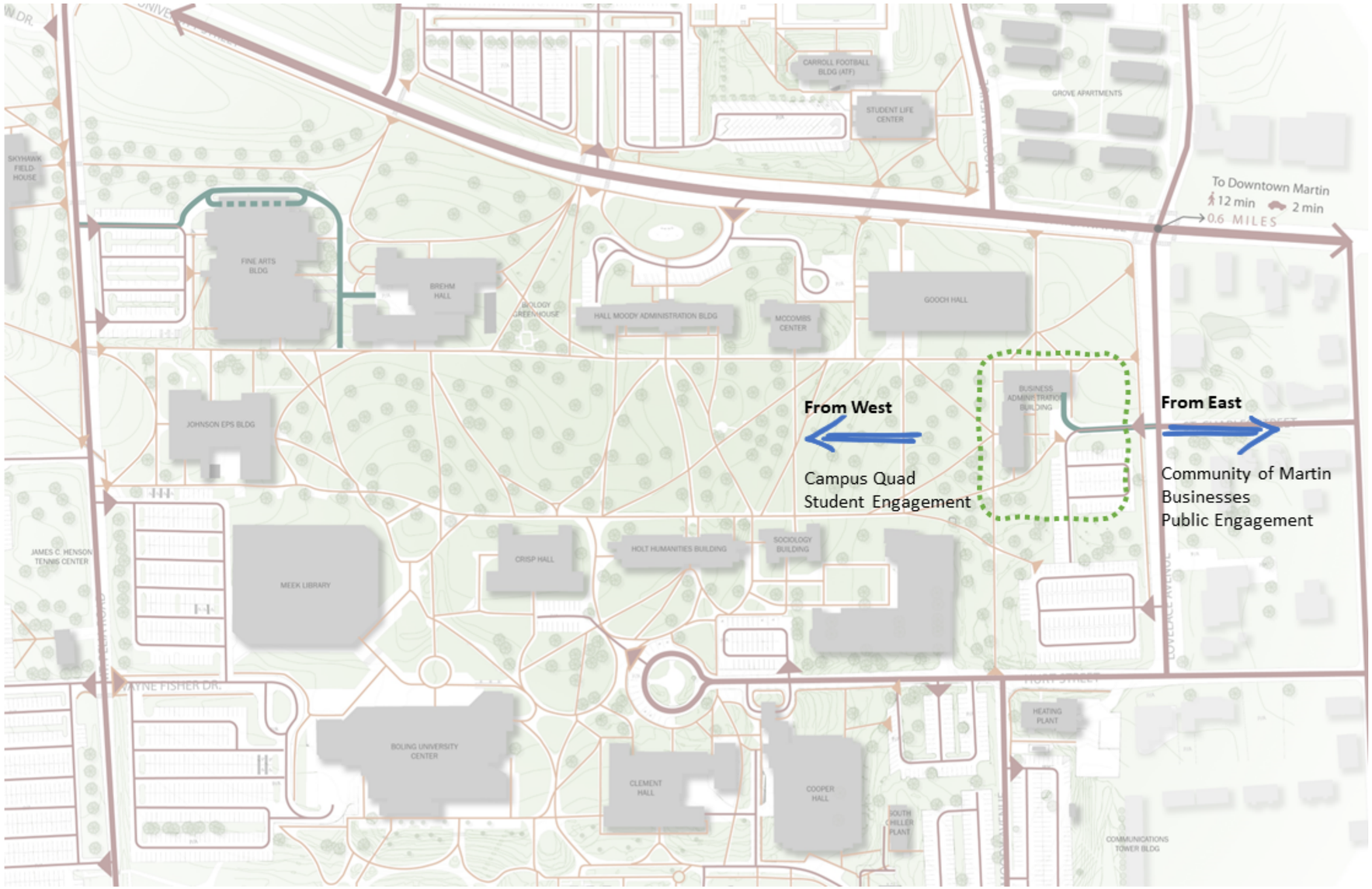
College goals of creating an active and dynamic building prioritized student services and executive programs at the building entry level. Additionally, large public events are anticipated, so an auditorium with pre-function and lecture type capabilities is planned adjacent to the east public entrance. A central community gathering space connects the campus west entrance with the public east entrance, and will provide lounge and open collaboration spaces, with a grab-and-go coffee kiosk adjacent.

The second level locates mostly learning spaces, including classrooms and labs, in addition to collaboration spaces.

The faculty work within two mega-departments, and therefore will be organized around two larger departments. Access between all faculty is important, as well as adjacent access to the College Leadership, therefore all Administration and Faculty work areas are located on the same upper floor.

The program anticipates underground mechanical room with air vents and shafts extending from below to support each wing.

Concept Plan

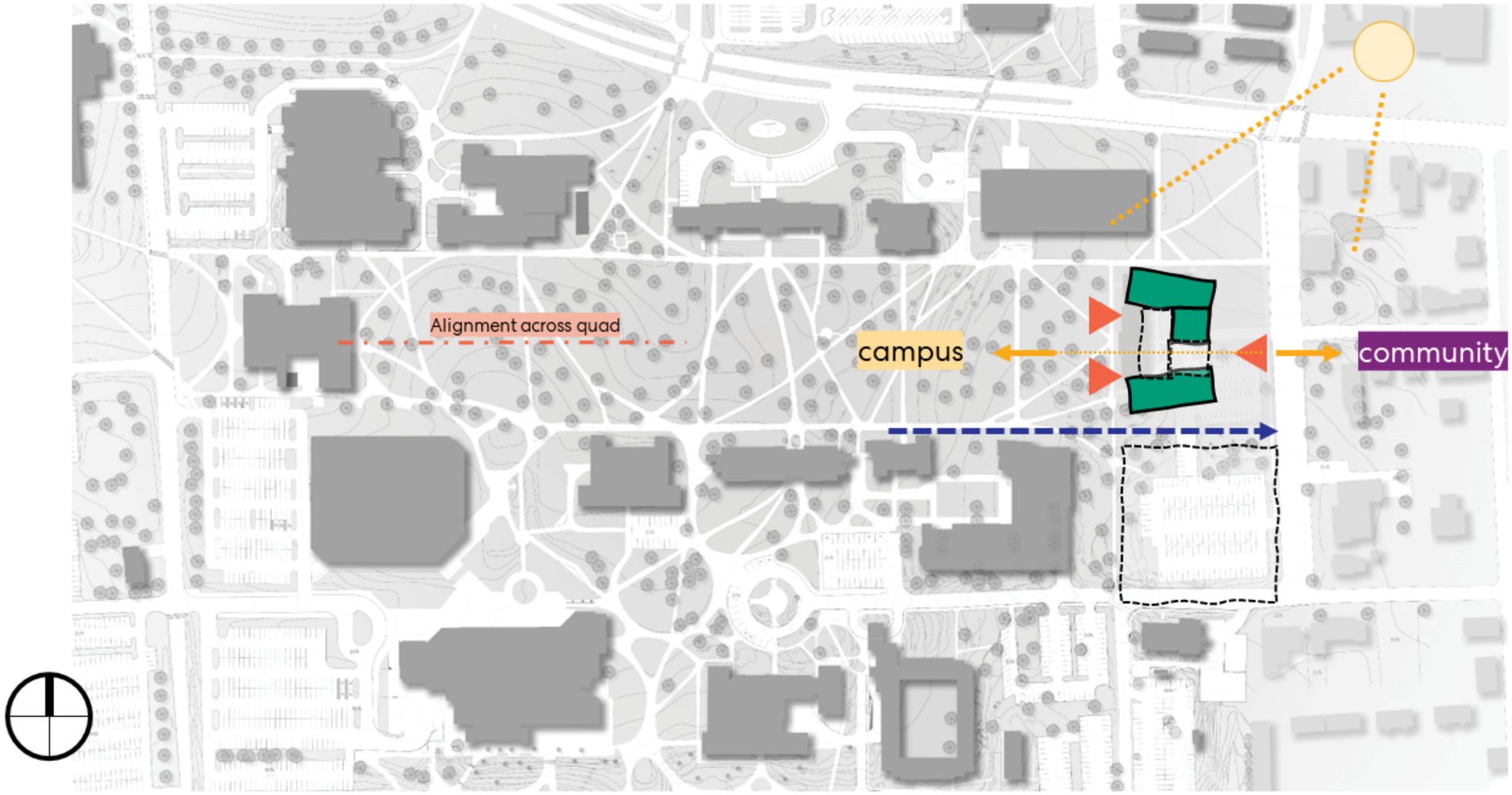


Connection Through Site

The prominent location on the campus allows for a unique opporutnity to reach out to the communty while also engaging the campus.

Building Concepts

Community Gathering



Legend

Building Entrances

Priorities

Engage the community to the east.

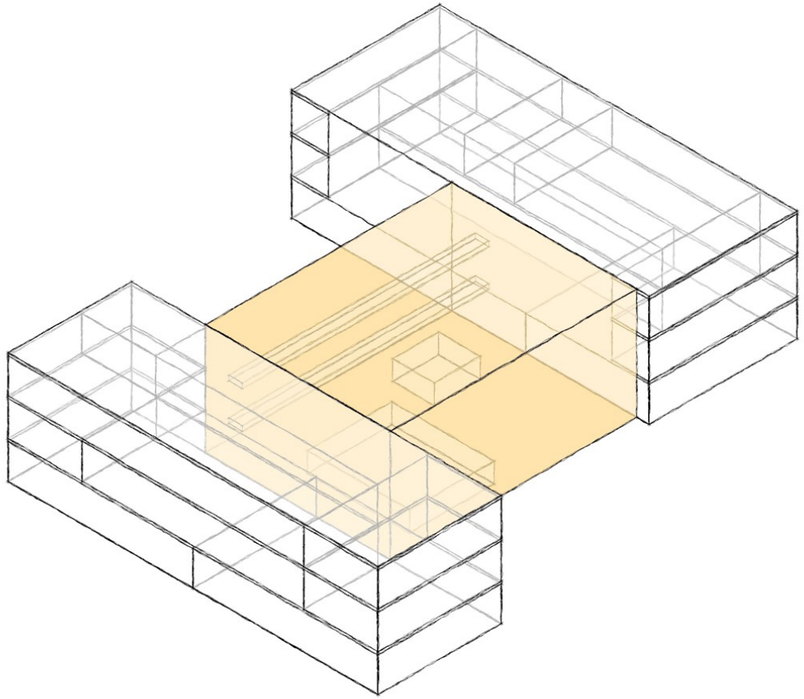
Engage students and campus to the west.

Open up to the Quad.

Maintain alignment across centerline of Quad.

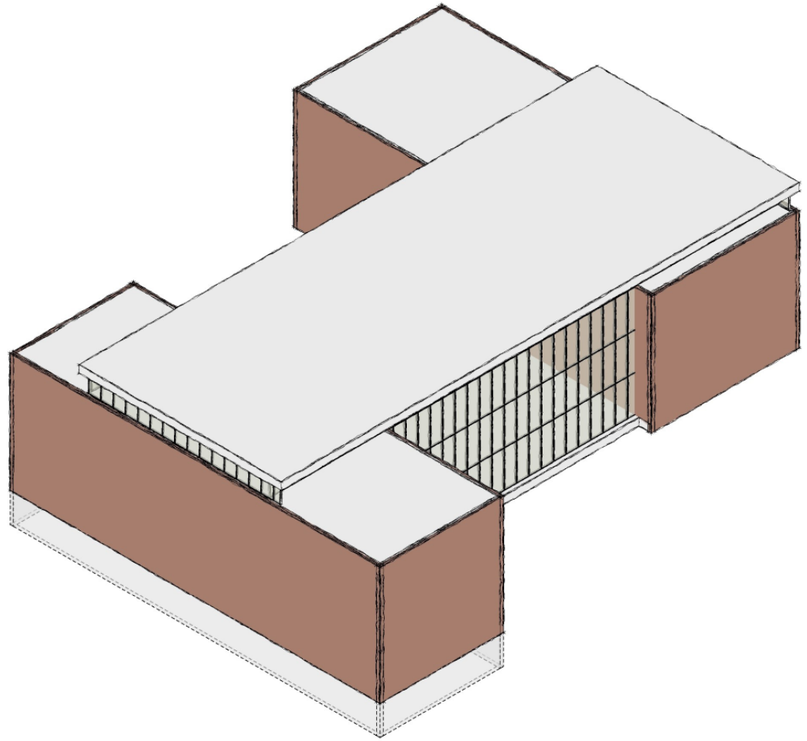
Building Concepts

Building Diagrams



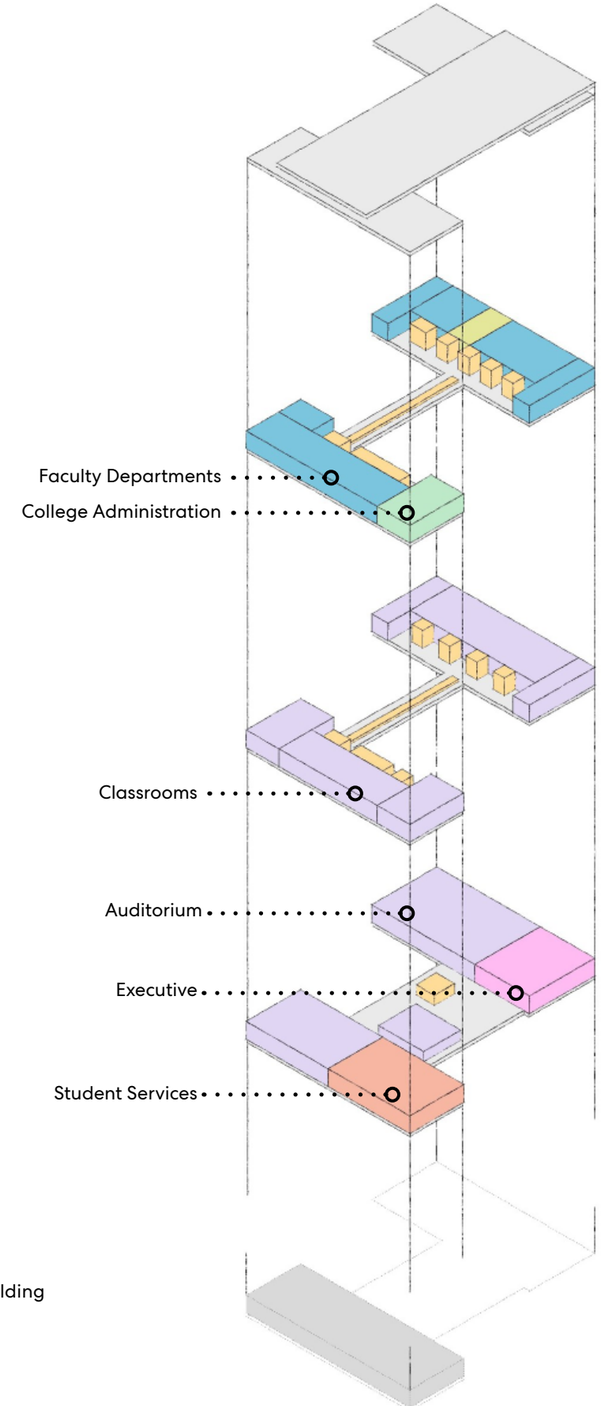
Community Gathering Integration

The Community Gathering program will hold the community of the College of Business and Global Affairs integral - the heart and soul of the building.



Massing Diagram

Physical access and transparency through the building, west to east.



Program Stacking Diagram

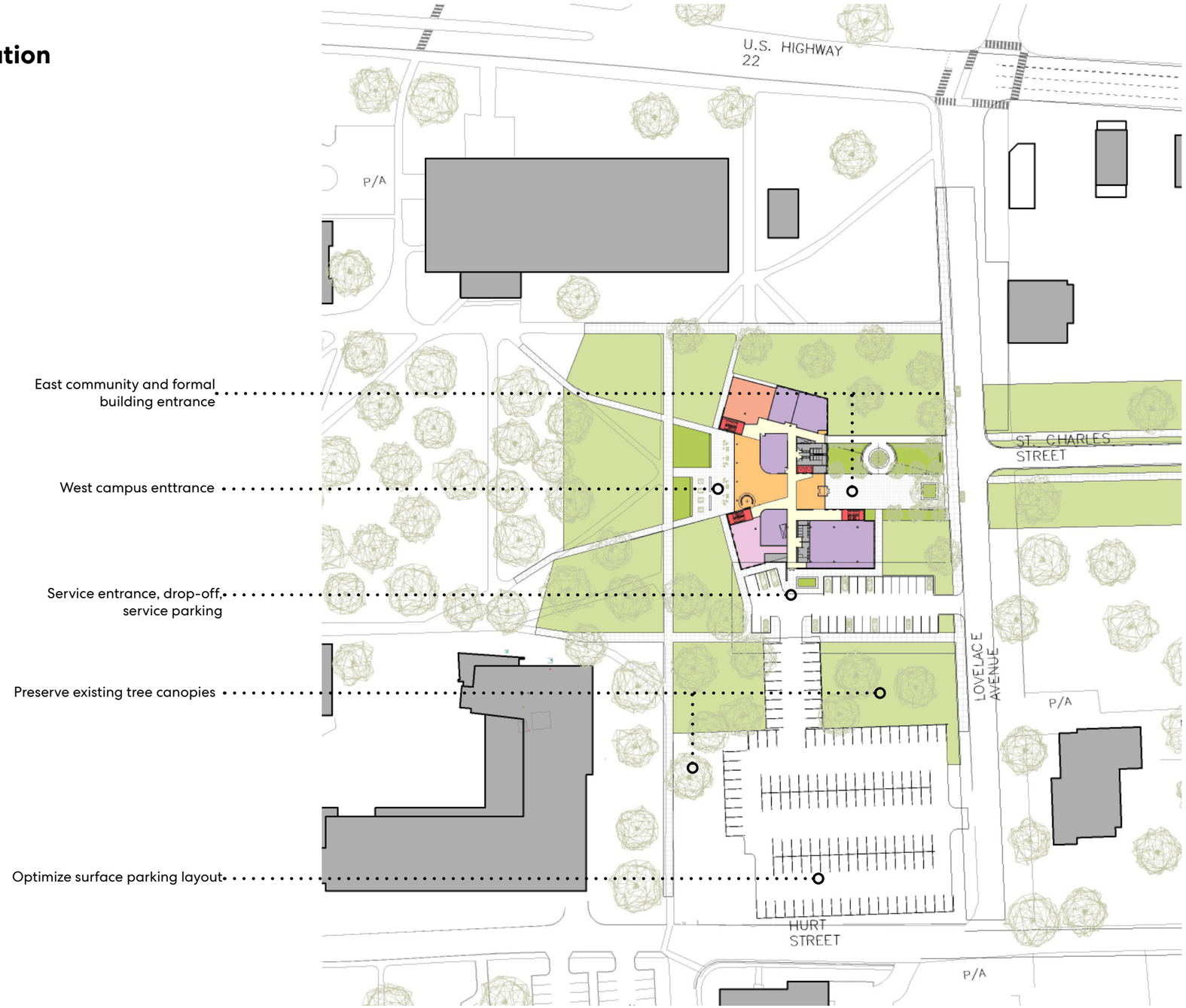
Create an active and dynamic building by placing a diversty of program spaces on each floor.

Proposed College of Business Administration

Concept Site Plan

Schema 1 Legend

- Admin Faculty
- Building Support
- CBGA Deans Suite
- Circ
- Common Areas
- Executive Enterprise
- Instructional
- Shared Facilities
- Student Success
- Verticle Circ



Concept Site Plan

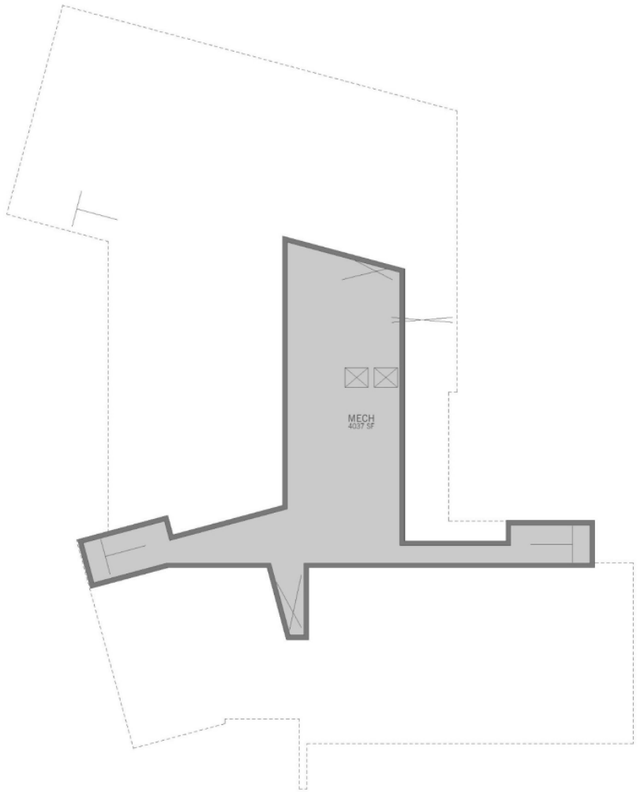
Providing transparency and access through the building from east to west is a priority. Consideration for everyday student and service, as well as public access during events was considered. Surface parking layouts could be optimized around existing tree canopies.

Proposed College of Business Administration

Concept Plans

Schema 1 Legend

- Admin Faculty
- Building Support
- CBGA Deans Suite
- Circ
- Common Areas
- Executive Enterprise
- Instructional
- Shared Facilities
- Student Success
- Verticle Circ



Level 0 Floor Plan

Sub-grade Mechanical, Storage

Level 1 Floor Plan

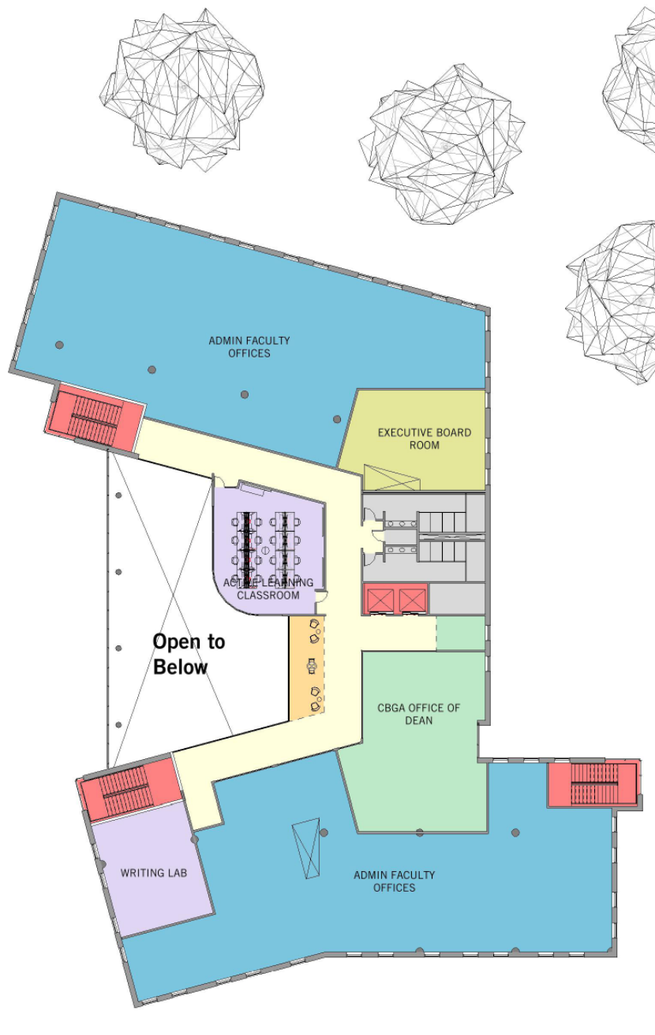
Entry Level

Schema 1 Legend

- Admin Faculty
- Building Support
- CBGA Deans Suite
- Circ
- Common Areas
- Executive Enterprise
- Instructional
- Shared Facilities
- Student Success
- Verticle Circ

Level 2 Floor Plan

Classrooms, Labs, Collaboration



Level 3 Floor Plan

Faculty, College Administration, Executive Board Room

Proposed College of Business Administration

Concept Rendering

Aerial view from northwest

The building plan reaches out to the campus green and provides indoor and outdoor community gathering spaces.

Proposed College of Business Administration

Concept Rendering

Aerial view from east

Appraoch from the eastern community entrance with opportunity for formal gardens and outdoor event spaces.

Proposed College of Business Administration

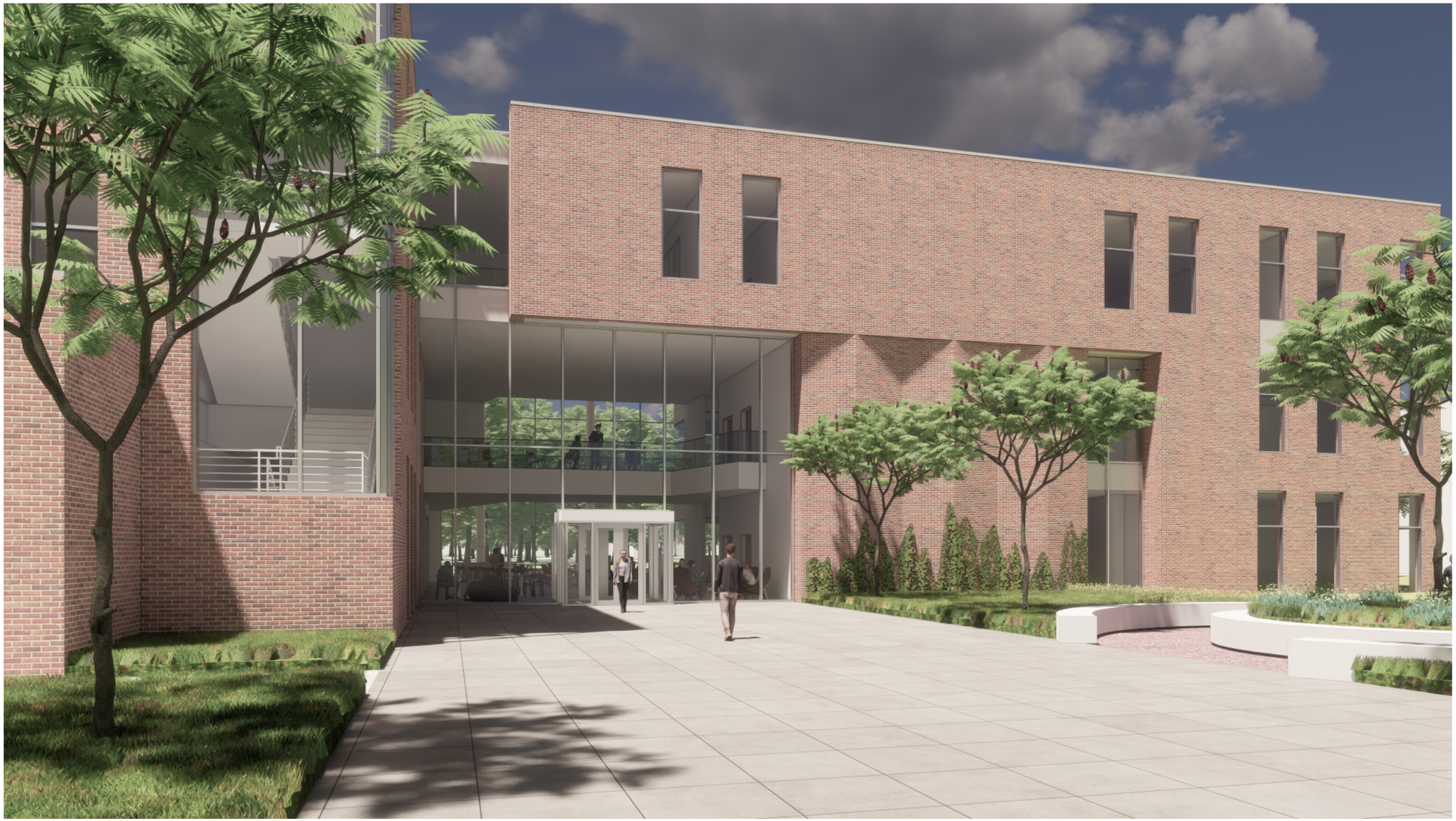
Concept Rendering

Aerial view from southeast

Reworked surface parking to accomidate service and loading access at the south, with a formal public entrance to the east.

Proposed College of Business Administration

Concept Rendering



View at east entrance

East entrance to provide formal building entry and signage, with outdoor pre-function and public event space. Transparency through the building to the campus quad, opposite, is a priority.

Section 04.
Code Analysis & Environmental Approach

Code Analysis Summary
Environmental Approach Summary

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Code Analysis

Summary

Applicable Building Codes

Tennessee's codes apply as mandatory minimum to all buildings except one- and two-family dwellings and licensed healthcare facilities, unless indicated.

Tennessee Building Codes

https://www.tn.gov/commerce/fire/codes-enforcement.html

Current Codes adopted by the Tennessee State Fire Marshal's Office are:

International Building Code (IBC), 2012 edition, published by the International Code Council (ICC), except for:

- Chapter 11 Accessibility;
- Chapter 34, Section 3411 Accessibility for Existing Buildings;

International Residential Code (IRC), 2018 edition, published by the ICC, with amendments;

The International Fuel Gas Code (IFGC), 2012 edition, published by the ICC;

The International Mechanical Code (IMC), 2012 edition, published by the ICC;

The International Plumbing Code (IPC), 2012 edition, published by the ICC;

The International Property Maintenance Code (IPMC), 2012 edition, published by the ICC;

The International Fire Code (IFC), 2012 edition, published by the ICC;

For commercial buildings: the International Energy Conservation Code (IECC), 2012 edition, published by the ICC, except that the provisions of the IECC, 2006 edition, shall apply to the following occupancy classifications: Moderate-hazard factory industrial, Group F1; Low-hazard factory industrial, Group F-2; Moderate-hazard storage, Group S-1; and, Low-hazard storage, Group S-2.

Assumptions

Proposed Building Area and Space Type

Building Gross Area: 63,115 GSF New Construction

Space Considerations:

- Instructional Spaces ~ 50%
- Department Administration Spaces ~ 24%
- College Administration Spaces ~ 4%

Proposed Building Height

Three stories above grade; assumed 15 ft floor-to-floor for a total height of approximately 45 feet above grade.

1 story below-grade Mechanical and Storage.

Atrium

New Construction includes three-story open volume community gathering space.

Per IBC 404, atriums are defined as openings connecting two or more stories other than enclosed stairways, elevators, hoist ways, escalators, plumbing, electrical, air-conditioning or other equipment, which is closed at the top and not defined as a mall. The proposed design includes an atrium that connects three stories.

A smoke control system may be required in the atrium in accordance with IBC 909. The atrium is required to be separated from adjacent spaces by a 1-hour fire barrier or a glass wall forming a smoke partition with automatic sprinklers along both sides (or on the room side only if there is not a walkway on the atrium side). Alternatively, the Design may consider enclosing Level 3 to reduce the open volume to less than three stories. Options will be considered through the Design Phase of the project.

In other than the lowest level of the atrium, where the required means of egress is through the Community Gathering space, the portion of exit access travel distance within the atrium space shall be not greater than 200'. The travel distance requirements for areas of buildings open to the atrium and where access to the exits is not through the atrium, shall comply with the requirements of IBC 1016.

Classrooms

Spaces with an occupant load and/or seating count of less than 50 persons shall be classified as Group B occupancy. Spaces with an occupant load and/or seating count of 50 or more occupants shall be treated either as Group A-1 (if fixed seating is provided) or Group A-3.

Auditorium

The proposed Auditorium will have fixed chairs with tablet arms and occupy approximately 3,080 NSF and is assumed a concentrated load seating design for 200 occupants, per IBC 1004.1.1. The Auditorium will require 2 exits. This space will be classified as Group A-3 occupancy. Since this space will be designed solely used for fixed seating, then the actual number of the seats should be used for exiting counts.

Project Location

Project is located on the University of Tennessee Martin campus, within the City of Martin Fire District.

Proposed Occupancy Classification

Occupancy Type (IBC 302.1) Business -B.

Some spaces will have Assembly requirements depending on size of gathering spaces and furniture type.

Hazard Type (LSC 6-2): Ordinary Hazard 1

Code Analysis

Summary

Proposed Construction Type

Construction Type: 1A Construction Type

Allowable Area: unlimited

Proposed Building Area: 63.115 GSF

Allowable Number of Stories: unlimited

Fire Protection:

Per IBC 1007.1, not less than two of the means of egress will need to be made fully accessible. In a fully sprinklered building, the exit access travel distance is 250 feet (with Occupancies B and supplemental A).

Minimum egress corridor width shall be 44 inches clear.

Minimum clear opening width of exit doors is 32 inches clear (36 inch door).

Required egress widths must be calculated per IBC Table 1005.1 for occupant content served.

Minimum ceiling heights in exit access corridors is 7'-6".

Accessible stair minimum width is 48 inches clear between handrails unless sprinklered.

Per 1007.3, accessible egress stairs require an Area of Refuge or access from an Area of Refuge or a horizontal exit.

Occupancy Signage

Every classroom and assembly space is required to have signage that clearly identifies the maximum allowable occupant count for that space. Size of both the sign and the font must be approved by the TN State Fire Marshal.

Environmental Approach

Summary

Sustainability and Resiliency

The University of Tennessee Martin recognizes the importance of energy efficiency and sustainable design for campus buildings. Sustainable design considers human and environmental health along with economic and social concerns within the design, construction, and renovation process. Campus structures are designed with a long-life expectancy. The lifetime maintenance of building materials and systems (life cycle costs) should be considered along with capital cost in new constructions and major renovations. Building planning teams should provide a building operation life cycle cost as early as possible in the design process.

Alignment to HPBr

The design team's approach to sustainable design shall, at minimum, adhere to the State of Tennessee's High Performance Building Requirements (HPBr), while utilizing additional sustainability measures as appropriate. Cutting-edge sustainability practices, including but not limited to, LEED, Fitwel or WELL certification, may be used as both a guideline and measuring stick. The design team's pursuit of conceptual energy modeling during Design phases shall follow the requirements of the HPBr.

Strategies

The goal of such parametric modeling will be to test energy efficiency measures to meet and exceed ASHRAE prescriptive requirements for energy efficiency. It is recommended that an energy performance target, set through benchmarking, be pursued using energy modeling. The baseline for the benchmarking can be from the CBECS 2003 database. Daylighting performance shall be optimized through variables such as orientation, shading, amount and type of glazing. This analysis will inform the daylighting zone depth, i.e., the amount of electric lighting to be controlled by photosensors. Uniformity of daylight distribution, glare reduction and maximizing lighting energy savings shall be the outcomes of an integrated approach towards daylighting and lighting design.

It is recommended that daylighting performance be optimized using climate-based daylight metrics such as Daylight Autonomy.

Material and Resources

The project will pursue local recycled content materials including locally sourced glass.

Project Priorities

Priorities considerations should include carbon and energy reduction, water and rainwater efficiency, materials and resources sourcing and healthy materials considerations. Systems and materials should be low-maintenence and locally soured.

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Section 05.
Design Narratives

Architectural
Mechanical
Electrical
Plumbing
Structural

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Design Narratives

Architectural

Alignment with Campus Standards

Materials: Alignment with University of Tennessee at Martin Basic Requirements for Design and Specifications Updated November 8, 2021.

Division 4 – Masonry

The standard campus brick is Jenkins Cloister with Buff mortar, or match existing for renovations.

Division 5 – Metals

Railings should be stainless steel or aluminum that require no painting and are weather resistant.

Division 9 – Finishes

Acoustic Ceiling Panels basis of design should be Armstrong Cortega 7704A, random texture, reveal edge, 5/8" lay-in-board Class 'A' system; 2 ft x 2 ft

Carpet basis of design manufacturer should be Interface Carpet Tiles.

Division 14 – Conveying Systems

Hydraulic Elevators: Machine Room Less (MRL) products are not preferred by UTM.

Exterior Systems:

1. Brick: Modular; color per UTM Design Specifications.
2. Exterior Wall System: metal framing: cold form metal framing as required; mineral fiber insulation
3. Stair cores, elevator cores, shafts: concrete masonry units
4. Curtainwall Glazing System: Kawneer Curtain Wall Glazing Systems, Structurally Silicone Glazed
5. Storefront Entrance System: at building entries
6. Parapet: metal
7. Roof Assembly: TPO, white on plywood sheathing, on sloped rigid insulation, on metal deck

Interior Systems:

1. Anticipated room finishes for program spaces can be found in the Room Data Sheets – refer to Appendix.
2. Interior Glazed Wall Systems: Raco 225 Series
3. Interior Walls: metal framing, cold form metal framing as required
4. Acoustic Wall Panel Systems: anticipated in Medium and Large Classrooms, Auditorium, Teaching Labs. Basis of Design: Sonus Flat Panel

Design Narratives

Architectural

College of Business and Global Affairs - Interior Systems:

Anticipated room finishes for program spaces can be found in the Room Data Sheets – refer to Appendix.

Interior Glazed Wall Systems: Raco 225 Series

Interior Walls: metal framing, cold form metal framing as requried

Acoustic Wall Panel Systems: anticipated in Medium and Large Classrooms, Auditorium, Teaching Labs. Basis of Design: Sonus Flat Panel

Building Standard finishes will include:

Typical Public Corridor:

Flooring: terrazzo with terrazzo base

Walls: low-VOC paint

Ceiling: 2x6 ACT

Lighting: 4" wide recessed linear

Toilet Rooms

Flooring: porcelain tile and tile base

Walls: full height wall tile at two wet walls, paint at two walls

Ceiling: gypsum board, low-VOC paint

Lighting: LED 4" downlights

Elevator Lobbies

Flooring: terrazzo with terrazzo base

Walls: low-VOC paint

Ceiling: gypsum board, low-VOC paint

Lighting: LED 4" downlights

Elevator Cabs

Two elevators are anticipated for this project: one passenger, one passenger/ freight. Passenger elevator will service floors 1-3. Freight elevator will service floors Basement-3.

Flooring: to match Elevator Lobbies

Walls: manuf standard finishes

Ceiling: manuf standard finishes

Lighting: LED 4" downlights with perimeter light cove

Electrical, IDF rooms

Flooring: sealed concrete with rubber base

Walls: low-VOC paint

Ceiling: none – paint exposed structure

Lighting: utility light

Custodial Room

Flooring: sealed concrete with rubber base

Walls: low-VOC paint

Ceiling: none – paint exposed structure

Lighting: utility lights

Interior Stairs

Flooring: precast terrazzo tread/rise to match public corridors

Walls: low-VOC paint

Ceiling: gypsum board, paint

Lighting: 4" downlights with wall washers

Material and Resources

The project will pursue local recycled content materials including locally sourced glass.

Design Narrative

Mechanical

MECHANICAL ELECTRICAL PLUMBING & STRUCTURAL NARRATIVE

UT Martin College of Business New Building
Martin, TN
Prepared by: Smith Seckman Reid, Inc.
05/06/2022

PROGRAMMING DESIGN

PROJECT DESCRIPTION

The purpose of this document is to provide a Programming document to the Owner for Mechanical, Electrical and Plumbing, MEP, (including fire protection) systems design. The descriptions herein provide the overall design intent for programming purposes.

DESCRIPTIVE SCOPE

A. SCOPE OF WORK

The following text is intended to establish a minimum design standard for the complete Mechanical system design for the new College of Business building

1. The scope will include 75,000 sf of new building construction.

B. CODES AND STANDARDS

Mechanical systems will be designed and installed in conformance with the following codes and or standards:

1. 2021 International Building Code with local amendments.
2. 2021 International Mechanical Code with local amendments.
3. 2021 International Fuel Gas Code with local amendments.
4. Local County ordinances governing mechanical work.
5. National Electrical Code.
6. National Fire Protection Association: NFPA 90A and 90B
7. Americans with Disabilities Act (ADA).
8. American Society of Heating, Refrigeration and Air-conditioning Engineers (ASHRAE)
    a. Standard 90.1.
    b. Standard 62.1
9. State of Tennessee HPBr Standards
10. Sheet Metal Association of Contractors National Association (SMACNA).
11. American National Standards Institute (ANSI)
12. American Society of Mechanical Engineers (ASME)

C. DESIGN CRITERIA

For calculation of cooling requirements, the following design temperatures as shown in the Appendix of Chapter 14, ASHRAE Fundamentals Handbook, 2021 Edition shall be used: Location 723347 Dyersburg, TN

Outdoor Design Criteria
Cooling DB/MCWB: 0.4% column 95.3/77.3 F
Evaporation WB/MCDB at 0.4% column 79.9/91.4 F
Heating Dry Bulb: 1F at 99.6% column 15.5F

D. SYSTEMS DESCRIPTION

- The addition to the building will require a new PRV station and HW steam convertor of approx. 7000 lbs/hr
- In addition to the convertor, the building will need an approximately 7000 MBh Hot Water boiler for times the main steam plant is inactive. Pumps and all hydronic specialties are required. The boiler shall be sized for 100% of the full winter heating load in order to provide redundant heating when and if the campus steam system is not available.
- The business building site is currently served by 6" chilled water supply and return piping, which appear adequate for the new building given there are no reported cooling related issues. Chilled water pumps serving the addition shall be provided in a basement mechanical room and piped to the air handlers.
- Central Station air handlers with economizers will be used to provide conditioned air to VAV terminals throughout the new building. The VAV terminal devices with hot water reheat will provide air flow to the space diffusers and grilles.
- All supply, return and exhaust air shall be fully ducted. Supply Air ductwork shall be medium pressure from the AHUs to the space terminals and all other air flow systems shall be of low pressure construction.
- Areaways for OA and relief air are required for basement mechanical rooms.
- Chases are required for ducts distributing air throughout the floors.
- Hot water fin tube shall be utilized for the atrium glass area. Fin tube shall be sized to offset the heating load of the glass and wall area. Fin tube shall be of a decorative architectural style.
- Roof mounted exhaust fans will provide exhaust for all recommended areas such as toilets.
- Controls shall be DDC and interface with the existing campus BAS.
- A special smoke evac system is required for the atrium. Roof mounted fans for exhaust and make-up air shall be provided. A Fireman's Control Panel is required for the fans and dampers near the Fireman's entrance. Special Testing/Inspection is required for the system.

Design Narratives

Electrical

ELECTRICAL NARRATIVE

UT Martin College of Business New Building
Martin, TN
Prepared by: Smith Seckman Reid, Inc.
05/06/2022

Programming Design

DESCRIPTIVE SCOPE

A. SCOPE OF WORK

The following text is intended to establish a minimum design standard for the complete electrical system design for the New UT Martin College of Business Building.

1. The scope will include a new electrical service from the campus infrastructure. The service will consist of a new pad-mounted transformer feeding a main 480VAC switchboard which will then serve electrical panels throughout the building. The design will also include a generator for any services requiring backup power.

B. CODES AND STANDARDS

Electrical systems will be designed and installed in conformance with the following codes and standards:

1. Local Municipal ordinances governing electrical work.
2. 2017 National Electrical Code, and City and County Amendments.
3. National Fire Protection Association: NFPA 70, 72 and 101.
4. Americans with Disabilities Act (ADA).
5. Regulations of the local utility MLGW with respect to metering and electrical service entrance.
6. Regulations of local telephone and television utility company.

C. DESIGN CRITERIA

1. ELECTRICAL UTILITY SERVICE

The campus infrastructure will be investigated to ensure it can support this addition.

A short circuit and coordination study shall be performed as part of the electrical service and distribution design including arc fault analysis and equipment labeling on all service switchboards and distribution panelboards.

2. ELECTRICAL DISTRIBUTION SYSTEM

It is anticipated that the building services will be electrically served at an operating voltage of 277/480 volts, 3 phase, 4 wire. Major loads, such as elevators and HVAC equipment will be served at a voltage of 480 volts 3 phase.

Common lighting components, as well as exterior site and landscape lighting may be served at a voltage of 480 volts in order to maximize branch circuitry potential and to minimize voltage drop on branch circuits and feeders. The common area receptacle and lighting loads will be served at 120 volts and the HVAC fan coil units will be connected at 208volts. The main electrical service shall have 15% spare capacity as calculated by the National Electric Code (NFPA 70) and per the expected diversity for this type of facility.

D. ELECTRICAL EQUIPMENT

1. EQUIPMENT SELECTION REQUIREMENTS

1.1 Acceptable manufacturers of electrical distribution equipment will be Square D, or equal by Siemens or Cutler Hammer.

1.2 All safety switches shall be the 600volt rated heavy-duty type. All disconnect switches shall be fusible type.

1.3 Service Entrance Switchboards where required:

1.3.1 Switchgear shall be Square D, or equal by Siemens or Cutler Hammer
1.3.2 Switchboard of suitable voltage and amperage ratings shall be located in a dedicated electrical room. The short circuit rating of switchboards will be as determined by a short circuit analysis. Minimum KAIC rating at the project service entrance will be 100,000 AIC.
1.3.3 Switchboards shall be front accessible only.
1.3.4 The Switchboard main devices shall be insulated case stored energy power circuit breakers. Each main device shall be individually mounted.
1.3.4 Feeder devices shall be thermal-magnetic molded case circuit breakers. Feeder devices in the distribution section shall be group mounted.
1.3.5 Fifteen percent (15%) spare capacity will be provided with space for corresponding devices.
1.3.6 Surge Protection Devices (SPD) shall be installed on all main incoming electrical services
1.3.7 Switchboard bussing shall be full-rated, horizontal phase and neutral with full rated ground bus. All bus bars shall be plated copper.
1.3.8 The entire switchboard assembly shall be uniform in both height and depth.
1.3.9 Provide 4" House keeping pad under switchboard.
1.3.10 Provide Main circuit breaker (no fuses) and distribution circuit breakers.
1.3.11 Furnish and install an engraved laminate identification plate with white letters on a black background using stainless steel screws on MSB and all feeder circuit breakers.
1.3.12 Provide in main switchboard a Square D solid state multifunction metering monitor, Powerlogic® #PM 8000 with Ethernet interface card. Provide all necessary current transformers, potential transformers, fuse blocks and CT shunting switches as required for proper operation of the meter. Provide PM 5000 metering on subpanels when requested.
1.3.13 Provide TVSS unit integral to main switchboard manufactured by Current Techology Inc. or Square D.

1.4 Distribution Panels and Panelboards

1.4.1 Panelboards 400 amp and smaller shall be Lighting and Appliance type; 600 amp and larger shall be Distribution type.
1.4.2 Panelboards shall be dead front type and bus bars shall be copper. A 200% rated neutral bus and copper ground bus will be provided in each panel.
1.4.3 Minimum circuit breaker short circuit ratings shall be 22,000 AIC operating at 120/208 volts for all downstream panelboard.
1.4.4 No load centers will be permitted.
1.4.5 All circuit breakers shall be bolt-in type, heavy-duty with toggle handles that indicate when unit has tripped.
1.4.6 Panelboards shall be totally enclosed, dead front, with hinged doors, lock and key. Furnish two door keys for each panelboard to the University.
1.4.7 Molded case circuit breaker, bolt-on type, rated for duty scheduled.
1.4.8 Distribution panelboards to be Square D, "I line", or equal by Siemens or Cutler Hammer.
1.4.9 Lighting/Branch Circuit 120/208V panelboards shall be Square D, type "NQOD" or equal by Siemens or Cutler Hammer.
1.4.10 Lighting/Branch Circuit 277/480V panelboards shall be Square D, Type "NF", or equal by Siemens or Cutler Hammer.
1.4.11 Panelboard directories shall be neatly typewritten and shall be covered with a plastic cover.
1.4.12 Panelboards shall be completely factory assembled and equipped with the type, size and number of branch circuit breakers, arranged and numbered as shown on the panel schedules.
1.4.13 At least 20% spare pole spaces will be provided, grouped in multiple of three in each panelboard.
1.4.14 Concealed panelboards, provide (2) two spare ¾ inch conduits, stub-up to accessible ceiling space.

1.5 Feeders

1.5.1 All feeders larger shall be copper for current less than 100amps. Feeder conductors shall be XHHW or THWN type insulation.

1.6 Branch Circuits

1.6.1 All branch circuit wiring shall be copper and shall be installed within a raceway system. Equipment grounding conductors will be installed in all raceways for each circuit.

1.7 Conduit System

Design Narratives

Electrical

1.7.1 Raceway installed below grade or below slabs shall be Schedule 40 PVC conduit. Raceway installed within slabs on grade and in locations subject to damage shall be galvanized rigid steel (GRS) conduit. All other raceways shall be electrical metallic tubing (EMT).
1.7.2 EMT fittings shall be steel "rain-tight", gland and ring compression type. Connectors shall have insulated throats.
1.7.3 Conduit will be a ¾" minimum except switch legs which may be ½".
1.7.4 Flexible conduits shall be steel metallic type with liquid-tight type used within pool, mechanical and other damp locations.
1.7.5 All raceways within the fire pump room (where required) shall be galvanized rigid steel conduit in accordance with NFPA.
1.7.6 All electrical junction and outlet boxes shall be accessible. The design will locate the boxes so that they are not visible or accessible to the public.

1.8 Conductors

1.8.1 Conductor size for power circuits shall be minimum No. 12 AWG. Conductors No. 10 AWG and smaller shall be solid copper, 90 Degree Celsius.
1.8.2 Minimum Insulation voltage rating of all conductors shall be 600 volts.
1.8.3 Conductors shall be totally color impregnated coded on a uniform basis throughout the entire project to identify different voltages and systems. Phase tape is not permitted.
1.8.4 Conductors shall be XHHW or THWN type insulation.
1.8.5 MC Cable will not be permitted.

1.9 Wiring Devices

1.9.1 All devices will be 20 amp 125vac premium specification grade tamper resistant rated in white decora style devices.
1.9.2 Device plates will be smooth high-impact white decora nylon type with finish to match the device(s). Stainless steel device plates shall be provided in the mechanical rooms, back-of- house, and damp areas. Jumbo or mid-size plates shall be provided for devices in masonry walls. Standard-size plates shall be provided in residential units. Floor outlet boxes shall have brass trim. Exterior devices shall have weatherproof (IN-USE) gasketed covers.
1.9.3 Electrical device cover plates will be coordinated with the Interiors Consultant.
1.11.5 Receptacles shall be as follows or equal to:
1.11.6 20A, 125V, Duplex Type: Hubbell 5362 TR
1.11.7 15A, 125V, Duplex Type (Residential units only): Hubbell 5352 TR
1.11.8 20A, 125V, Duplex Type GFCI outlets: Hubbell GF5352A TR.
1.11.9 20A, 125V, Duplex Type GFCI outlets: Hubbell GF5362 TR
1.11.10 20A, 125A, Surge Suppression, Isolated Ground, Duplex Type (CRT, POS, Computer System Outlets): Hubbell 1G5362S.
1.11.6 Switches shall be 20A, 120/277V, Single Pole, Toggle, Silent Operation type with ground screw: Hubbell HBL 1221.
1.11.7 Wall mounted dimmers shall be Lutron "Nova" Series, slide type.
1.11.8 The acceptable manufacturers of devices shall be Leviton, Hubbell, Arrow-Hart or Pass & Seymour.
1.11.9 All devices shall be mounted at heights in accordance with ANSI A
1.11.9.1 The Handicap Code and ADA requirements.
1.11.10 Residential living spaces will be equipped with night lite type GFCI outlets at all residential vanity areas.

E. LIGHTING

1. LIGHTING SYSTEMS

1.1 The lighting design in shall be prepared by the Interior Designer in collaboration with the Architect. The completed design data including photometrics shall be forwarded to the Electrical Engineer, who will review the material to verify it meets energy code and IES lighting level requirements before incorporating into his/her contract documents.
1.2 All lighting fixtures located shall have an LED source.
1.3 All LED fixtures and lighting controls shall have minimum of a full 5 year warranty.
1.4 Minimum CRI 80 and color temperature of 3500K
1.5 Dimmable fixtures in offices and corridors

2. EMERGENCY LIGHTING

2.1 Emergency circuits requiring continuous illumination such as path of egress will not be switched
2.2 Other emergency circuits, such as one or two fixtures in mechanical and electrical rooms, pantry or storage will be switched.
2.3 Emergency lighting in all areas shall be accomplished by connecting directly to the emergency
2.4 Exit luminaries will be throughout the building as required by code. All exit sign and emergency lighting devices will be on the emergency circuit

3. EXTERIOR LIGHTING/LANDSCAPE LIGHTING

3.1 Physical locations of all landscape and type of lighting fixtures shall be determined by the Interior Designer
3.2 All exterior transformers and junction boxes shall be located in areas concealed from the public, as located by the Interior Designer
3.3 All exterior weatherproof junction boxes shall be rated for watertight NEMA 4X. Any above grade boxes shall be concealed from guest view and shall be painted to match adjacent surface as specified by the Architect and the Interior Designer.
3.4 All exposed conduit shall be painted out to match the adjacent surface as specified by the Architect and the Interior Designer.
3.5 The building facade and accent lighting fixtures will be High output LED type.

F. CATV SYSTEMS

1. Conduit facilities will be provided in order to provide access for owner provided cable television wiring systems for all apartment areas, lobby and amenity areas will be provided.

G. EMERGENCY BACK UP

1. A geenerator capable of fully backing up life safety and any Owner required loads will be provided. Final load and size to depend on equipment selection.

H. FIRE ALARM SYSTEM

1. Acceptable manufacturers for system equipment and materials will meet or exceed systems as provided by Notifier or equal.

2. The building will be provided with a complete and fully functional, Code minimum, Class B Fire Alarm system throughout the facility and configured for the specific environment in which it is installed.

3. The Fire Safety System shall be a microprocessor based networked, addressable system utilizing initiating, supervising, and notification devices as necessary to meet Code requirements. The system shall provide annunciation both locally and to remote monitoring station in accordance with Code and the owner's requirements.

4. The installed Fire Alarm system will comply with the applicable sections of the following:

4.1 National Fire Protection Association (NFPA). All applicable Codes and Standards including but not limited to:
4.2 NFPA 13 – Standard for the installation of Sprinkler Systems
4.3 NFPA 72 – National Fire Alarm Code
4.4 NFPA 90A – Standard for the Installation of Air-Conditioning and Ventilating Systems
4.5 NFPA 101 – Safety to Life from Fire in Buildings and Structures
4.6 Underwriters Laboratories (UL)
4.6.1 UL 13 – Power-Limited Circuit Cables
4.6.2 UL 38 – Manual Signaling Boxes for Fire Alarm Systems
4.6.3 UL 217 – Single and Multiple Station Smoke Alarms
4.6.4 UL 228 – Door Closers-Holders, With or Without Integral Smoke Detectors
4.6.5 UL 268 – Smoke Detectors for Fire Protective Signaling Systems
4.6.6 UL 268A – Smoke Detectors for Duct Application
4.6.7 UL 521 – Heat Detectors for Fire Protective Signaling Systems
4.6.8 UL 539 – Single and Multiple Station Heat Detectors
4.6.9 UL 864 – Control Units for Fire Protective Signaling Systems
4.6.10 UL 1424 – Cables for Power-Limited Fire Alarm Circuits
4.6.11 UL 1425 – Cables for Non-Power-Limited Fire-Alarm Circuits
4.6.12 UL 1480 – Speakers for Fire Protective Signaling Systems
4.6.13 UL 1481 – Power Supplies for Fire Protective Signaling Systems
4.6.14 UL 1635 – Digital Alarm Communicator System Units
4.6.15 UL 1971 - Signaling Devices for the Hearing Impaired

5. The system will be interconnected to other building systems as necessary to meet all Code and owner requirements.

I. LIGHTNING PROTECTION SYSTEM

1. The facility will have a UL master label lightning protection system in accordance with NFPA 780 and LPI standards. The lightning protection system conductors shall be copper, or aluminum based upon the building material on which installed. Down conductors shall be either installed within PVC conduit within columns or concealed steel columns may be used as the down flow path.

Design Narrative

Plumbing

PLUMBING AND FIRE PROTECTION

PROJECT DESCRIPTION

The purpose of this document is to provide a pre-design description to the Owner for review and feedback. The descriptions herein attempt to provide the overall design intent.

DESCRIPTIVE SCOPE

A. SCOPE OF WORK

The following text is intended to establish a minimum design standard for the complete Plumbing and Fire Protection system design for the College of Business Building.

1. The scope will include new plumbing to serve the occupants with automatic operated vitreous China plumbing fixtures. Dual height water coolers with bottle filling station will be provided. Water heating system shall utilize gas fired tank less water heaters with a recirculating system meeting energy conservation requirement per International Energy Conservation Code (IECC).
2. The buildings to be protected with an automatic wet pipe fire sprinkler system per NFPA 13. The sprinkler systems shall be hydraulically designed using the area/density method per NFPA 13. The water flow test data is needed to determine whether or not a fire pump is required.

B. CODES AND STANDARDS

Plumbing and Fire Protection systems will be designed and installed in conformance with the following codes and or standards:

1. 2021 International Building Code with local amendments.
2. 2021 International Fire Code with local amendments.
3. 2021 International Plumbing Code with local amendments.
4. NFPA 13 and 14, latest edition.
5. Local County ordinances governing plumbing and fire sprinkler work.
6. National Electrical Code.
7. National Fire Protection Association: NFPA 90A and 90B
8. American National Standards Institute (ANSI)
9. American Society of Mechanical Engineers (ASME)

C. SYSTEMS DESCRIPTION

Systems will include the plumbing and fire protection systems for the College of Business Building.

Major elements and features of the plumbing systems are:

1. Domestic Cold Water:
   a. Reduced pressure backflow preventer will be located in mechanical room.
   b. All domestic cold water piping will be Type L copper with fiberglass insulation.
2. Domestic Hot Water and Hot Water Return:
   a. Gas fired tank less water heaters will be located in mechanical room with recirculator pump, controlled by a thermostat.
   b. All domestic hot water and hot water return piping will be Type L copper with fiberglass insulation.
3. Sanitary Waste & Vent Piping:
   a. Cast iron waste and vent systems will connect to existing sewer on site.
4. Storm Drainage:
   a. A primary roof drain system will connect to underground storm drainage system on site. A secondary roof drains may be scuppers around the perimeter or overflow roof drains will be piped down in wall then penetrate thru exterior walls and spill on grade with downspout nozzles.
   b. Roof drain bodies and horizontal roof drain piping to be insulated with fiberglass insulation.
5. Identifications:
   a. Identification on all piping installed under this contract to be provided.
6. Other systems:
   a. Exterior hose bibbs will be provided. No irrigation system is included in this project.
   b. Condensate drain system with type "M" copper with DWV fittings for new HVAC units.

Major elements and features of the fire protection system are:

1. A fire pump to be determined whether or not is required when the water flow test is obtained.
2. Fire protection water will require a new double check valve assembly.
3. Sprinklers will be concealed flush-mounted ceiling type in areas with a ceiling, and upright sprinklers in areas without a ceiling.

Design Narrative

Structural

STRUCTURAL NARRATIVE

UT Martin
Business Administration Building
Memphis, TN
Prepared by: Smith Seckman Reid, Inc. 5/6/2022

Programming Package

PROJECT DESCRIPTION

The purpose of this document is to provide a programming package to the Owner for review and pricing feedback. The descriptions herein and contained on the drawings attempt to provide the overall design intent. This includes the programmed work for a new building administration building.

DESCRIPTIVE SCOPES

A. SCOPE OF WORK:

This narrative is intended to establish the minimum design standards for the structural portion of the new business administration building. The purpose of this structural narrative is also to provide structural information for the proposed design that will be required in order to develop preliminary cost estimates and a plan for the proposed building project.

B. CODES AND STANDARDS

Structural modifications will be designed and installed in conformance with the following codes and standards.

1. 2021 International Building Code with local amendments
2. ASCE 7-16 Minimum Design Loads for Buildings and Other Structures
3. ACI 318-19 Building Code Requirements for Structural Concrete
4. AISC 15th Edition American Institute of Steel Construction

C. DESIGN CRITERIA

1. The new building will meet the requirements of the 2021 International Building Code for the following minimum design loads:

   a. Live Loads:

      i. Basement Floor

Corridor	100 PSF
Office Space	50 PSF

      ii. First Floor

Corridor	100 PSF
Classrooms	40 PSF
Office Space	50 PSF

      iii. Second Floor

Corridor	80 PSF
Office Space	50 PSF

      iv. Roof

Roof Structure (typ.)	20 PSF

   b. Dead Loads:

Structure	Self-Weight
Floors and Roofs	20
PSF MPE, Ceiling, and Floor Allowance	
10 PSF	

   c. Building Risk Category IV

D. Proposed Addition

This project will consist of a new business administration building. Refer to architectural narrative for detailed descriptions of the proposed floor plans and additional information. Structural work will include the design of a two-story building. This building will be constructed with a structural steel system. The seismic force resisting system will be either moment frames or concrete/CMU core shear walls (based on availability). Each floor's primary gravity system will be framed with steel beams. The secondary gravity supports will be framed with steel joist with composite deck on top. The roof structure will consist of structural steel that will support metal trusses with a steel roof deck. The foundation system will consist of shallow spread footings and continuous reinforced footings bearing on soil, located a minimum depth of 18" below the finished floor.

End of Narrative

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Section 06.
Cost Estimate

Cost Summary
Cost Estimate

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Cost Summary

Concept Assessment

Cost Summary

Provided is a summary of the probable costs for the demolition of the existing College of Business and Global Affairs building, as well as the new construction based on the program square footage indicated in the concept plans. The cost estimate has been prepared using unit costs.

Assumed construction start is Quarter 3 of 2023.

Unit Cost dollars/square footage average is $630.38

Total new construction building area: 63,115 GSF

Owner's Funding Request:

Total Bid Target for Building Construction:
$40,000,000

Owner's Contingency – 5%:
$2,000,000

Maximum Allowable Construction Cost (MACC)
$42,000,000

Non-Construction Costs (see below):
$7,505,186

Total Cost Target:
$49,505,186

Cost Estimate per Program Area shown in Concept Design:

Building Construction Costs:
$31,104,490

Design Contingency – 5%:
$1,555,225

Escalation – 12%:
$3,919,166

Mechanical Infrastructure:
$3,566,700

Total Construction Cost:
$40,145,580

Non-Construction Costs:

Fees (new construction):
$2,270,884

Moveable Equipment - $25/SF:
$1,825,000

Data and Telecom - $12 / SF:
$876,000

Artwork and Graphics:
$401,500

Administration and Misc:
$2,131,802

Total Cost:
$47,650,766

Construction cost includes:

Demolition, new (refer to construction estimate)

Total Construction Costs include:

Permits, University services, owner's contingency, hazardous material abatement, consultant fees, infrastructure upgrades.

Program square footage includes indirect costs:

General Conditions, permits, insurances, bonds, fees, estimate contingency.

Mechanical Infrastructure Costs:

Campus Infrastructure updates were developed from sharing half the cost between two campus projects in which the Programming was completed concurrently: College of Business and Global Affairs project with the Northwest Tennessee Arts Center. The Mechanical Infrastructure cost shown above is half the total cost of updates required.

Technology and FF&E includes:

Audio-visual systems (projectors, tv's, media systems, software), owner furnished furniture and equipment.

Funding:

Funding will be sourced through the State of Tennessee with contribution from the College of Business and Global Affairs.

Cost Estimate

Unit Cost Assessment by Program

University of Tennessee Martin College of Business & Global Affairs												Perkins&Will_archimania Updated: 2.10.23.2022
Program Designator	Function	EXISTING QTY	CAPACITY	PROPOSED QTY	NSF/P	CAPACITY	NSF	Total NSF	Subtotal SF	Total SF	$/SF	TOTAL COST	% of overall	Comments
1.0	Instructional Spaces													
1.1	*Learning Laboratories*													
	Financial Markets Learning Lab - Murray Lab (F	1	24	1	30	40	1200	1,200			$575.00	$690,000		12 terminals existing = 24 computer stations; expand bloomberg? Anticipate 16-20 bloomberg
	Professsional Sales Lab/Mock Court			1	40	30	1200	1,200			$575.00	$690,000		presentation space, non-trad classroom environ; pitch room; flex w/ training purposes
	Computer Teaching + Visualization Lab	2		1	30	40	1200	1,200			$575.00	$690,000		
	MIS Computer Lab (Hardware)			1	30	30	900	900			$575.00	$517,500		
	Data Analytics Lab			0	30	30	900	-			$575.00	$0		
	Writing Lab			1	30	24	720	720			$575.00	$414,000		
	Subtotal								**5,220**		**$575.00**	**$3,001,500**		
1.2	*Leaning Environments*													
	Auditorium	0		1	19	150	2850	2,850			$675.00	$1,923,750		lecture hall, outreach events + 65 seat classroom zone
	Studio Enterprise/Design Thinking	0		1	30	30	900	900			$525.00	$472,500		
	Large Classroom			1	28	65	1820	1,820			$475.00	$864,500		
	Medium Classrooms	2		2	28	45	1260	2,520			$475.00	$1,197,000		
	Active Learning Classroom			1	30	30	900	900			$525.00	$472,500		
	Small Classrooms	8		5	30	30	900	4,500			$500.00	$2,250,000		
	Subtotal								**13,490**		**$532.26**	**$7,180,250**		
	Total Instructional Spaces									18,710	**$544.19**	**$10,181,750**	48%	650
2.0	College of Business & Global Affairs													
2.1	*Office of the Dean*													
	Deans Office	1		1	170	1	170	170			$675.00	$114,750		
	Associate Dean	0		1	150	1	150	150			$665.00	$99,750		*future hire*
	Assistant to the Dean	1		1	120	1	120	120			$525.00	$63,000		
	Admin Assistants	2		2	50	1	50	100			$500.00	$50,000		
	Reception Area	1		1	40	6	240	240			$585.00	$140,400		big, with desk
	Conference Room	1	10	1	30	8	240	240			$625.00	$150,000		co-use as work room for AACB guests
	Work room / copy	1		1	100	-	100	100			$525.00	$52,500		
	Storage	1		1	100	-	100	100			$450.00	$45,000		
	Internal Circulation							220			$525.00	$115,290		
	Subtotal								**1,440**		**$577.03**	**$830,690**		
	Total CBGA Administrative Offices			9						1,440	**$577.03**	**$830,690**	4%	
3.0	Departmental Administrative & Faculty Offices													
3.1	***Accounting + Finance + Econ + Political Sci. Faculty Offices***													
	Department Chair	1	100	1	140	1	140	140			$525.00	$73,500		adj to Rsch Specialist - interconnected
	FT Faculty Offices	18	100	18	120	1	120	2,160			$525.00	$1,134,000		verify new number

Cost Estimate

Unit Cost Assessment by Program

	Student Faculty Interaction		0	26	4	104	-		$525.00	$0	
	Faculty Offices (growth)	0	4	125	1	120	480		$525.00	$252,000	
	Adjunct Faculty	1	2	50	2	100	200		$525.00	$105,000	*limited numbers anticipated; shared workspace (2-pack)*
	Administrative Coord	1	1	100	1	100	100		$525.00	$52,500	
	Internal Circulation		1				554		$500.00	$277,200	
	Subtotal		**26**					**3,634**	**$521.19**	**$1,894,200**	
3.2	***Management + Marketing + Information Systems + Bus Wall Faculty Offices***										
	Department Chair	1	1	140	1	140	140		$525.00	$73,500	adj to Rsch Specialist - interconnected
	FT Faculty Offices	19	19	120	1	120	2,280		$525.00	$1,197,000	verify new number
	Student Faculty Interaction		0	26	4	104	-		$525.00	$0	verify - WTIHIN OFFICES?
	Faculty Offices (growth)	0	4	120	1	120	480		$525.00	$252,000	
	Adjunct Faculty	0	2	50	2	100	200		$525.00	$105,000	*limited numbers anticipated; shared workspace (2-pack)*
	Administrative Coord	1	1	100	1	100	100		$525.00	$52,500	
	Internal Circulation		1				576		$500.00	$288,000	
	Subtotal		**27**					**3,776**	**$521.19**	**$1,968,000**	
3.3	***Administrative Shared Areas***										
	Reception Area		2	40	4	160	320		$585.00	$187,200	reception per depth
	Departmental Files Storage		2	100	1	100	200		$450.00	$90,000	1 storage per dept
	Grad Assistants		2	40	1	40	80		$525.00	$42,000	
	Workroom/Supplies/Copy		2	120	1	120	240		$525.00	$126,000	
	Large Conference Rooms		1	25	20	500	500		$625.00	$312,500	
	Small Conference Rooms		2	30	8	240	480		$650.00	$312,000	
	Internal Circulation		1				328		$500.00	$163,800	
	Subtotal							**2,148**	**$574.36**	**$1,233,500**	
	Total Departmental Administrative & Faculty Offices							**9,558**	**$533.13**	**$5,095,700**	**24%**
4.0	**Student Success Center - Program Administrative and Student Services Offices**										integrate into Student Success Center
4.1	***MBA Program***										
	Director of MBA Programs (Jenny)	1	1	120	1	120	120		$625.00	$75,000	
	Admin Assistant	1	1	100	1	100	100		$525.00	$52,500	
	Graduate Assistants	2	2	40	1	40	80		$525.00	$42,000	
	Subtotal							**300**	**$565.00**	**$169,500**	
4.2	***Undergraduate Program***										
	Undergraduate Program Coordinator	1	1	120	1	120	120		$525.00	$63,000	
	Academic Advisors	1	1	100	1	100	100		$525.00	$52,500	
	Academic Advisors (future)		2	100	1	100	200		$525.00	$105,000	
	Admin Assistant	1	2	100	1	100	200		$525.00	$105,000	
	Subtotal							**620**	**$525.00**	**$325,500**	
4.3	***Student Success Center Shared Resources***										
	Reception Area	1	1	40	6	240	240		$585.00	$140,400	
	Workroom/Supplies/Copy	1	1			120	120		$525.00	$63,000	
	Conference Room		1	30	6	180	180		$625.00	$112,500	
	Interview Rooms		3	40	2	80	240		$575.00	$138,000	
	Internal Circulation		1			340	340		$500.00	$170,000	
	Subtotal							**1,120**	**$557.05**	**$623,900**	
	Total Student Success Center							**2,040**	**$548.48**	**$1,118,900**	**5%**
5.0	**Executive + Enterprise Center - Program Admin and Student Services**										
5.1	***Dunagan Center of Excellence in Banking***										*Student Services*
	Director (Mr Clark) non-faculty	1	1	120	1	120	120		$550.00	$66,000	*outreach and student focused*

Cost Estimate

Unit Cost Assessment by Program

	Admin Staff			0.5	100	1	100	50		$500.00	$25,000	
	Subtotal								170	**$535.29**	**$91,000**	
5.2	***Hendrix Center of Excellence in Free Enterprise (Dr. Kates), Mgmnt Faculty***											
	Director		1	1	120	1	120	120		$550.00	$66,000	
	Admin Staff			0.5	100	1	100	50		$500.00	$25,000	
	Subtotal								170	**$535.29**	**$91,000**	
5.3	***Regional Entrepreneurship + Economic Development Center (REED) or Future***											
	Director		1	1	120	1	120	120		$550.00	$66,000	
	Admin Staff		2	0.5	100	1	100	50		$500.00	$25,000	
	Subtotal								170	**$535.29**	**$91,000**	
5.4	***Center for Global Education and Experience (Lorrie)***											*INTEGRATE INTO STUDENT SUCCCESS CENTER;little traffic, manage international travel, scholarsh*
	Director		1	1	120	1	120	120		$525.00	$63,000	
	Assistant	1		1	100	1	100	100		$500.00	$50,000	
	Peer advising	1		1	120	1	120	120		$500.00	$60,000	*2 person conference*
	Subtotal								340	**$508.82**	**$173,000**	
5.5	***Outreach and Centers Shared Areas***											
	Reception			1	40	4	160	160		$585.00	$93,600	
	Resource Area			1	40	3	120	120		$525.00	$63,000	
	Student Assistants			1	40	1	40	40		$525.00	$21,000	
	Conference Room			1	25	6	150	150		$650.00	$97,500	
	Workroom/Copy/Files/Storage			1	120		120	120		$525.00	$63,000	
	Chair of Excellence	1		1	120	1	120	120		$550.00	$66,000	*no dedicated space - use of all collab spaces: on a rotating basis*
	Executive in Residence			1	120	1	120	120		$550.00	$66,000	
	Subtotal								830	**$566.39**	**$470,100**	
	Centers Internal Circulation							336	336	$500.00	$168,000	
	Total Executive + Enterprise								2,016	**$537.75**	**$1,084,100**	5%
6.0	**Common Areas**											
6.1	***Community Areas***											
	Community Gathering and Lobby	0		1	15	165	2475	2,475		$525.00	$1,299,375	event space for banquents/ co-locate with lecture event:
	Storage			1			200	200		$450.00	$90,000	combined 500 ppl: ballroom space for FAC retreat, round tables
	Subtotal								2,675	**$519.39**	**$1,389,375**	**furniture storage**
6.2	***Food Service***											
	Food Venue	0		1	20	10	200	200		$675.00	$135,000	food cart
	Storage	0		1			100	100		$450.00	$45,000	
	Subtotal								300	**$600.00**	**$180,000**	
6.3	***Study Areas***											
	Quiet Study Area	1		0	30	30	900	-		$525.00	$0	
	Touchdown/Nooks and Crannies	2		10	20	2	40	400		$525.00	$210,000	
	Subtotal								400	**$525.00**	**$210,000**	
6.4	***Team Rooms/Group Study***											
	Small Group Study Room	0		5	25	5	125	625		$525.00	$328,125	
	Focus Room (1-2 person)	0		10	20	2	40	400		$525.00	$210,000	
	Subtotal								1,025	**$525.00**	**$538,125**	
	Total Common Areas								4,400	**$526.70**	**$2,317,500**	11%
7.0	**Shared Facilities**											
7.1	***Student Organization and Support***											6 student orgs currently, to grow
	Student Organization Meeting Area	0		1	6	25	150	150		$525.00	$78,750	utilize shared conference
	Student Organization Storage Area			0			100	-		$440.00	$0	ice chests, lockable
	Subtotal								150	**$525.00**	**$78,750**	

Cost Estimate

Unit Cost Assessment by Program

7.2	***Executive Board Room***													
	Board Room	0	1	30	30	900	900		$650.00	$585,000				24-30 seats
	Pantry/Serving Area	0	1			100	100		$625.00	$62,500				
	Subtotal							**1,000**	**$647.50**	**$647,500**				
7.4	***Multi-Purpose Flex Room***													
	Colloquium	0	0	40	25	1000	-		$625.00	$0				visible to community gathering area
	Subtotal							-	**$0.00**	**$0**				
	Total Shared Facilities							1,150	**$631.52**	**$726,250**				3%
	Total Assignable Areas							**39,314**	**$543.19**	**$21,354,890**	**39,314**	**546.82**	**$ 21,497,681.48**	
8.0	**Building + Program Support Areas**													
8.1	***Building + Program Support Areas***													
8.1.1	Building Circulation Systems		1											
8.1.2	Vestibules		1											
8.1.3	Restrooms		1											
8.1.4	Janitor		1											
8.1.5	General Building Storage		1											
8.1.6	Receiving/Loading Area	1	1											
8.1.7	Mechanical Systems													
8.1.7a	Mechanical Equipment		1											
8.1.7b	Mechanical Shafts		1											
8.1.8	Electrical Systems													
8.1.8a	Electrical Equipment		1											
8.1.8b	Electrical & Telecommunication Closets		1											
8.1.9	Structure/Exterior Walls/Partitions		1											
	Total Program + Building Support Areas							**24,374**	**$400.00**	**$9,749,600**				
	Total Gross Building Area							***63,115***	***$492.82***	***$31,104,490***				
	Net/Gross							***62%***						
	GSF/Student							**42**						
	ADDITIONAL COST													
	Design Contingency 5%									**$1,555,225**				
	Inflationary Escalation Contingency (12%)									**$3,919,166**				
	Mechanical Infrastructure									**$3,566,700**				
	TOTAL							**63,115**	**$636.07**	**$40,145,580**				

FOOTNOTE- All program SF cost include indirect costs including:

1) General Conditions
2) Permits
3) Insurances
4) Bonds
5) Fees
6) Estimate Contingency

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Appendix A
Workshop Meeting Minutes

Workshop 1 Meeting Minutes
Workshop 2 Meeting Minutes
Workshop 3 Meeting Minutes
Workshop 4 Meeting Minutes

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Workshop 1 - Session 1

Visioning and Campus Plan Alignment

Perkins&Will archimania

Workshop 1 – Session 1 Meeting Minutes - Visioning

Date: 2.21.2022 **Authored by:** Jill Vowels

Meeting Details

Meeting Date:	2.10.2022	**Project Name:**	NATC and CBGA Programming; University of Tennessee Martin
Meeting Time:	09:00 AM	**Project Number:**	051765.01
Meeting Location:	University Center 229	**Attendees:**	Refer to attached attendee list
Next Meeting Date:	3.3.2022	**Cc:**	Brad Burkett

Discussion

ITEM NO.	DESCRIPTION	RESPONSIBILITY	STATUS
01	Review Stakeholder and Decision-Making matrix		
02	Review Project Roadmap		
03	Review Schedule and Deliverables		
04	Campus and Site - Alignment with Masterplan Goals - Campus currently working with another firm on Masterplan update (early in process) - Parking availability and access is a continual problem on campus, especially during public events. - Shared vision to increase presence of both programs on campus. - Large outreach and public engagement programs for both CBGA and CHFA. - Food services currently located in University Center; future coffee kiosk in new STEM building (under construction). - Design team will study building alignments around campus green, as well as pedestrian/vehicular path of travels and access.	UTM FM	Schedule coordination meeting with Masterplan firm

University of Tennesee Martin
NATC and CBGA Programming Project
Project Number: 051765.001

Name	Represet.	Workshop 1 (2/10/2022) Session 1 Visioning	Session 2 CBGA Program	Session 3 NATC Program
Perkins&Will				
Jeff Ziebarth	Architect	X	X	
Jill Vowels	Architect	X	X	
archimania				
Matt Seltzer	Architect	X		X
Kayce Williford	Architect	X		X
Schuler Shook				
Kimberly Corbett Oates	Theater Consultant	X		X
UTM FM				
Dana Hagan	UTM FM	X		X
Brad Burkett	UTM FM	X	X	
UT System				
Benjamin Luttrell	PM	X	X	
Matthew Parks	PM	X	X	
UTM NATC				
Lynn Alexander	Lead Stakeholder, Dean - Humanities and Fine Arts, Prof	X		X
Sarah Haig	Visual & Theater Arts, Graphic Design Assoc Prof	X		X
Carol Eckert	Dept Chair Art Historian/ Art Educ, Prof Art	X		X
Mark Simmons	Dir Choral Activities, Assoc Prof Music	X		X
Robert Mancusi	Prof Music	X		X
Tim Barrington	Lighting&Sound Design, Theater			
John Oelrich	Music, Chamber Wind Ensemble			
UTM CBGA				
Mark Farley	Lead Stakeholder, Faculty - Asst Prof Finance	X	X	
Amhad Tootoonchi	Dean, CBGA	X	X	
Lorrie Jackson	Admin Coord, Center for Internat. Educ.	X	X	
Jennifer Killebrew	MBA Student Services	X	X	
Taek Will Kang	Faculty, Asst Prof Management	X	X	
Lajuan Davis	Assoc Prof Business Communication			
Adnan Rasool	Asst Prof Politicial Science			
Derek Ezell	Asst Prof Marketing			
Patrick Baker	Assoc Prof Law			

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Workshop 1 - Session 2

CBGA Vision and Program

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Workshop 1 – Session 2 Meeting Minutes – CBGA Program

Date: 2.21.2022 **Authored by:** Jill Vowels

Meeting Details

Meeting Date:	2.10.2022	**Project Name:**	NATC and CBGA Programming; University of Tennessee Martin
Meeting Time:	11:00 AM	**Project Number:**	051765.001
Meeting Location:	University Center 229	**Attendees:**	Refer to attached attendee list
Next Meeting Date:	3.3.2022	**Cc:**	Brad Burkett

Discussion

ITEM NO.	DESCRIPTION	RESPONSIBILITY	STATUS
01	Experiential Learning is a main goal of the project and aligns with the Strategic Mission.		
02	Advanced technologies in classrooms is preferred to facilitate groups studies in studio-based classrooms, as well as national and global collaborations.		
03	A robust student center would benefit the College, as a 'one-stop-shop'.		
04	The Center for Global Education and Experience and the REED Center are both currently located off-campus but is anticipated to become housed in the new building.		
05	All Centers should be located adjacent to each other in the new building.		
06	MBA and Graduate programs are anticipated to grow. - They should have a more visible location in the new building to assist in undergraduate recruiting.		
07	The Dean envisions an entire portion of the building that could be a prominent and visible 'Student Center".		

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Please note: *The foregoing constitutes our understanding of matters discussed and conclusions reached. Other participants are requested to review these items and advise the originator in writing of any errors or omissions.*

	- This suite of spaces could include: - CGEE - REED - Advising - MBA - Student Services - Center for International Student Services
08	External business groups include the Advisory Board, which use an Executive Conference Room. - Currently 24 people. - Would like space to allow visitation and participation more frequently. - Currently meets 2-4 times per year.
09	Events – pubic facing events include an annual awards banquet and prospective student recruitment events of 100-150 people.
10	Initially, the Dean requested lecture space to accommodate 750-1000 people for large events. This request was later reduced based on additional stakeholder input and program constraints.
11	Executive in Residency: - Anticipated requiring use of a large meeting space to meet with large and small student/faculty groups. - One to two offices anticipated.
12	Incubator spaces: - Currently the REED Center acts like an incubator. - additional incubator or maker spaces not anticipated as part of this project.
13	Chairs of Excellence: currently two: - Hendrix: entrepreneurship - Donavan: banking - Student focused space needed within Centers for this. - Administrative support could be shared, to further assist in program integration.
14	Discussion of ethics, inclusion and a global mindset: - Physical transparency to Faculty and Dean is important for collaboration and accessibility. - Currently there are two task forces working to integrate action items to enhance diversity across students and faculty.
15	Food service discussion: - Currently people leave the building to access food and drink services. - Ideally the program can integrate simple coffee/sandwich kiosk in order to have the building be a one-stop-shop.

Workshop 1 - Session 2

CBGA Vision and Program

Workshop 1 – Session 2 Meeting Minutes – CBGA Program
NATC and CBGA Programming; University of Tennessee Martin
Meeting Date: 2.10.2022

	- Food service should integrate catering support for larger events.		
16	Parking access is an issue for the campus. - Current construction projects recently reduced parking capacity near CBGA. - Consideration of public parking for CBGA events should be considered.	P&W	Review current parking capacity.
17	Dean's Suite / Administration - Prominent and visible location at building entry is preferred. - Program should include: - Large reception area - Conference space - Large offices.		
18	Learning spaces discussion: - Current classrooms contain inflexible furniture and technology. - Future classroom should accommodate distancing learning capabilities. - MBA program is currently hybrid and may require a dedicated room. - Program should consider One-Button Studio for podcast and Lecture recording for Faculty.		
19	Regional business engagement: - Anticipated partnership with Blue Oval City Ford Operations Center for training and development. CBGA may offer certification programs as part of this partnership. - Program should consider dedicated event center or conference capabilities for this function.		
20	Discussion of Project Vision and Drivers: priorities include: - Collaboration - Transparency - Welcoming, inclusive - Experiential learning - Flexibility between program spaces - Engagement across college, university, community, and global business world. - Facilities should provide a 'higher quality education for leadership of the global earth.' - Priority to enhance visibility and physical environment to inspire additional enrollment and recruitment.		
21	Desire to enhance specific programs: - Highly ranked Finance program and Finance Lab ("Investment Room"); currently houses 12 Bloomberg terminals. - Management program		

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Workshop 1 – Session 2 Meeting Minutes – CBGA Program
NATC and CBGA Programming; University of Tennessee Martin
Meeting Date: 2.10.2022

	- Other growing programs include: graduate level emphasis: agriculture business, resource business, sports business. - Graduate courses are becoming more specialized and may need more resources to support.		
22	Presentation of the future of business education; feedback included: - Wellness center within CBGA not feasible; will rely on campus facilities - Daylight with control preferred. - Food integration within facility; Starbucks kiosk scale. Additional collaboration with campus food vendor will be needed. - There is no precedent for a public roof deck or porch on campus. Security and alignment with campus policy would be a concern. - Faculty privacy and program transparency needs further discussion. - Currently very little student study and collaboration space exists but is prioritized for the new program. - Executive MBA program may require dedicated space, but could be dual purpose.	UTM FM	Meeting with campus food vendor needed.
23	Current enrollment: - Undergraduate: 949 - MBA: 177 (fall 2022) (Currently 25 hybrid, 150 online) - Faculty: 43 - Staff: 9		
24	Anticipated growth: - Undergraduate: 1300 - MBA: 200 max - 1500 total for CBGA students - Project to verify faculty growth rate expected. 20:1 desirable.		
25	Review of Existing Program: - Existing classrooms: 40-60 students - No existing open use student computer lab: include in new program. - Existing teaching computer labs: 4 total. - Departments: no cohesiveness by discipline but is a priority for the new building. - Currently 2 mega-departments; each has Program Research Specialist. - Grouping by disciplines is preferred, with shared collaboration spaces (neighborhoods). - Provide two Department Chair Offices, adjacent to Program Research Specialists. - Add Data Visualization Lab.		
	- Increase size of existing Trading Lab (currently seats 24 with 12 Bloomberg terminals; increase to seat 40). - Provide Business Communications Lab (required course). - New classroom sizes: 45, 65, 80. Program prioritizes small classes, so majority of classroom sizes should accommodate 45. - Space for large events required: atrium (with ballroom type seating for large events). - Create Student Success Suite: integrate Grad Assistants into MBA only; else program uses student assistants. - Student Success Center and Centers should be adjacent in location. - Faculty offices should align with UTM standards. Faculty meet with 2-3 students at a time within their office currently.		

Workshop 2 - Session 1

CBGA Focus Sessions

Perkins&Will

University of Tennessee Martin, College of Business & Global Affairs

Workshop 2 – CBGA Focus Sessions Meeting Minutes

Date: 3.30.2022 **Authored by:** Jill Vowels

Meeting Details

Meeting Date:	3.3.2022 and 3.4.2022	**Project Name:**	College of Business & Global Affairs Programming
Meeting Time:	02:00 PM	**Project Number:**	051765.001
Meeting Location:	CBGA	**Attendees:**	Refer to Attendance Matrix
Next Meeting Date:	4.12.2022	**Cc:**	Brad Burkett

Discussion

ITEM NO.	DESCRIPTION	RESPONSIBILITY	STATUS
01	**Focus Group 1 – Student Services** 1. Visibility and accessibility of programs is required. 2. Interview Rooms should sit 4 people. 3. Writing Lab is a scheduled classroom space and should be listed under Learning Environments. 4. MBA currently how no Admin Asst, but one Graduate Asst. 5. UG Program currently has one Advisor and one Admin Asst.	Design Team	For Information
02	**Focus Group 2 – Dept & College Administration** 1. Departments require space for students to take make-up exams. 2. Additional program needed: Interview Rooms. 3. Writing Lab is a teaching space – shift program under Learning Environments. 4. Faculty prefer free access to students.	Design Team	For Information

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	5. Admin should be adjacent to Chair Office. 6. Chair Office requires space to meet with students. 7. Teaming size typically 5-6 students. 8. Dept Admin Coordinators prefer to have adjacency to each other (cross big two department groups). 9. Faculty majors preferred to be adjacent, versus prioritizing Faculty Departments together. Preference to intermingle across departments.		
03	**Focus Group 3 – Learning and Technology** 1. Capstone Class is team oriented and would prefer an Active Learning Classroom type of space, for 30 students. 2. Request to have a MIS specific computer hardware lab. 3. College currently has two computer teaching labs, that teach across disciplines. 4. Request for all classrooms to have distance learning capabilities at minimum, with two-way AV technology. All classrooms should have flexible, rearrangeable furniture. 5. Request for students to have open computer access. 6. Request for student printing station. 7. Request for a classroom space that could hold 'mock courts' with 3-5 people, 3-5 judges and lecterns. This function could potentially be accommodated in the Sales/Pitch Lab. 8. Writing Lab is an experiential lab and should be listed under Learning Environments, as it is an instructional and academic space. Typical class size is 25 students, with high visibility preferred. Space is used to teach students how to write and communicate. 9. Technology: projection screen is campus typical. LCD screens are used when the space is too big to accommodate a projection, or too much light. Campus standard is single projection screen per room, single image, with whiteboards. 10. Typical classroom teaming size is 5-6 students. 11. Large Classroom required for Intro Economics and Political Science courses, often simultaneously scheduled, for 55-60 students each. 12. Accounting prefers lots of whiteboard space. 13. Enterprise Classroom would be ideal for marketing and enterprise programs at 40 students. 14. 200 seat Auditorium would be used for Large Lecture as well. Preference for front of space collaborative tables and chairs, with back tablet arm chair infill to capacity.	Design Team	For Information
04	**Focus Group 4 – Community & Shared Spaces** 1. Student Organization: currently have 6-7 organizations, group size varies from 10-30 students. Preference to revise Student Org to locker storage only and continue to use Classroom space for gathering.	UTM – Dining Services	For Information

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Workshop 2 – CBGA Focus Sessions Meeting Minutes
College of Business & Global Affairs Programming
Meeting Date: 3.3.2022 and 3.4.2022

	2. Food Service: coffee-shop type model preferred. UTM will meeting with Dining Services to determine options for CBGA. 3. Faculty Department areas should include a kitchenette within the Work Rooms. 4. Focus/Study Rooms: ensure acoustics, with views to outdoors. Provide individual Focus Rooms with dimmable lighting. 5. Quiet Study Room should have layout space. 6. Request to integrate Wellness Room.		
05	**Focus Group 5 – Outreach Centers** 1. Centers currently share Admin, so a central Admin/Reception space for shared resources is ideal. Maintain flexibility for future growth. 2. Incubator space is not needed within the Centers. 3. Bringing groups together is ideal, and visibility within College is preferred.	Design Team	For Information

Workshop 2 - Session 1

CBGA Focus Sessions

University of Tennesee Martin
NATC and CBGA Programming Project
Project Number: 051765.001

		Workshop 2					
		3-Mar-22		4-Mar-22			
		CBGA Focus Groups					
		CBGA Focus 1	CBGA Focus 2	CBGA Focus 3	CBGA Focus 4	CBGA Focus 5	Session 2
Name	**Represet.**	Student Services	Dept & College Admin	Learning & Technology	Community & Shared Spaces	Outreach Centers	Site, Systems, Infrastructure
Perkins&Will							
Jeff Ziebarth	Architect	X	X	X	X	X	X
Jill Vowels	Architect	X	X	X	X	X	
archimania							
Matt Seltzer	Architect						X
Kayce Williford	Architect						X
Schuler Shook							
Kimberly Corbett Oates	Theater Consultant						X
UTM FM							
Dana Hagan	UTM FM						X
Brad Burkett	UTM FM	X	X	X	X	X	X
UT System							
Benjamin Luttrell	PM						
Matthew Parks	PM						
SSR							
Ting Sirimoongkhons	SSR - Plumbing						X
Tyler Farguson	SSR - Electrical	X	X	X	X	X	X
Kristen Haltem	SSR - Structural						X
Daniel Rucker	SSR - Mechanical	X	X	X	X	X	X
UTM NATC							
Lynn Alexander	Lead Stakeholder, Dean - Humanities and Fine Arts, Prof	*Refer to CHFA Meeting Minutes for Attendees*					
Sarah Haig	Visual & Theater Arts, Graphic Design Assoc Prof						
Carol Eckert	Dept Chair Art Historian/ Art Educ, Prof Art						
Mark Simmons	Dir Choral Activities, Assoc Prof Music						
Robert Mancusi	Prof Music						
Tim Barrington	Lighting&Sound Design, Theater						
John Oelrich	Music, Chamber Wind Ensemble						
UTM CBGA							
Mark Farley	Lead Stakeholder, Faculty Finance	X	X	X	X	X	
Amhad Tootoonchi	Dean, CBGA				X	X	
Lorrie Jackson	Admin Coord, Center for Internat. Educ.						

Jennifer Killebrew	MBA Student Services	X	X				
Taek Will Kang	Faculty, Asst Prof Management		X			X	
Lajuan Davis	Assoc Prof Business Communication			X	X	X	
Adnan Rasool	Asst Prof Politicial Science	X	X	X			
Derek Ezell	Asst Prof Marketing	X	X	X	X	X	
Patrick Baker	Assoc Prof Law						
John Clark	Chair of Excellence in Banking					X	
Tommy Cates	Chair of Excellence in Free Enterprise					X	
Adnan Rasool	Polictical Science faculty					X	
Terri Jackson	Center for Global Education and Experience					X	
Logan Alfano-Webb	Finance/Econ				X		
Seth Bishop	Accounting/Finance				X		
Benjamin Beard	Accounting/Finance				X		
Claire Wisener	Marketing				X		
Savannah Pham	Information Systems				X		
Emily Shanklin	Marketing				X		
Joshua Thomson	Polictical Science				X		
Gracie Lusk	Polictical Science				X		
Adriana Pena	Accounting/Finance				X		
Mireya Carrion	Management/Marketing				X		
Jasmine Hampton	Deans Office, Asst to Dean	X	X				
Chris Baxter	CBGA		X	X			
Susan Lemond	AFEPS						
Cindy Howell	MMIS						
Traci Crawford	Chairs of Excellence						
Sheryl Breeden	Advising						
Cooper Johnston	MMIS		X				
UTM ITS							
Olivia Hazlewood	ITS			X			X
Matthew Adams	ITS			X			X
Randy Newman	ITS			X			X

Workshop 2 - Session 2

Site, Systems and Infrastructure Meeting

Perkins&Will archimania

University of Tennessee, Martin College of Business & Global Affairs

College of Humanities & Fine Arts, Northwest Tennessee Arts Center

Workshop 2 – Session 3 Site, Systems Infrastructure Meeting Minutes

Date: 3.28.2022 **Authored by:** Jill Vowels

Meeting Details

Meeting Date:	3.4.2022	**Project Name:**	CBGA & CHFA Programming
Meeting Time:	09:00 AM	**Project Number:**	051765.001
Meeting Location:	Univ Center 231	**Attendees:**	Refer to Matrix
Next Meeting Date:	4.13.2022	**Cc:**	Brad Burkett

Discussion

ITEM NO.	DESCRIPTION	RESPONSIBILITY	STATUS
01	Landscape Discussion 1. Low maintenance landscape is a priority 2. Trees are a highlight of the campus – project should avoid their removal. 3. Arboretum Status – campus is striving for higher than Level 2 status. The vision is botanical garden status: path along the quad perimeter, memorial garden potential as part of the CBGA project.	Design Team	For Information

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Workshop 2 – Session 3 Site, Systems Infrastructure Meeting Minutes
CBGA & CHFA Programming
Meeting Date: 3.4.2022

	4. Stormwater Strategy: no massive management of stormwater now; like the idea of permeable pavers wetlands, but not in the center of campus. 5. If CBGA has a basement, will need to be mechanically pumped of water. 6. Services: recycling done by pickup of bins in rooms, co-located in building dumpster outside. Service pickup from individual buildings. 7. Project should plan for a receiving area within the building, double doors to dumpsters in service area, access from Lovelace Avenue. 8. Service at CHFA: fire lane to north for Brehm Hall as well as CHFA; required for box truck delivery and access. Dumpsters at northeast corner: not attractive, project should try to improve as this is also a main pedestrian access path. 9. Irrigation System: hardly any existing on campus; mainly used to support on a temporary basis for a 2 year establishment period. 10. Site Furnishings: integrate outdoors classroom type spaces with power and wifi; to be mounted on site fixtures. 11. Site Lighting: campus installed metal halide fixtures about		
02	Mechanical Discussion 1. There are two existing chilled water plants on campus. Capacity will need future confirmation. Projects will assume the chiller will need to be upsized to serve the new CBGA building and the renovated plus addition at CHFA. 2. Change in temperature is currently 8-10 degrees, but is not currently an issue. 3. UTM prefers to not avoid a standalone system. 4. Future verification of steam capacity will be required. 5. Anticipated systems at new CBGA building include: central AHU, VAV, hot water reheat, chilled water pumps at building. A below grade mechanical room would be acceptable with outside air intake and sufficient waterproofing to address the high water table. 6. Existing CHFA project: AHU and VAV systems were replaced in 2010. The Theater Renovation included AHU updates. These existing systems will remain.	Design Team	For Information
03	Electrical Discussion 1. Existing campus loop system; power is generated from campus facility at 2.5 MW generators. 2. The campus is metered at one location per building. No capacity issues are anticipated. 3. Site lighting – standard systems.	Design Team	For Information

Workshop 2 - Session 2

Site, Sytems, and Infrastructure Meeting

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Workshop 2 – Session 3 Site, Systems Infrastructure Meeting Minutes
CBGA & CHFA Programming
Meeting Date: 3.4.2022

	4. Interior lighting – no stand-alone controls. Projects should provide one centralized control panel per building. 5. Standard lighting temperature on campus is 3500K. Fixtures should be low-maintenance and avoid flat-panel lights. 6. Data closet is required on each floor. Refer to UT Design Criteria. 7. An existing fiber loop to buildings exists. UTM will pull their own wire and should be included in budget for data. Refer to Design Guidelines for: j-hooks, CAT 6A, 1-1/4" min conduit.		
04	Security Discussion 1. CBGA: cameras not in current budget 2. CHFA: existing cameras to remain. 3. Access Control System: typical building occupancy hours are 7 am – 10 pm. 4. Card readers preferred at specialized lab classrooms.	Design Team	For Information
05	Structural Discussion 1. Note seismic zone. 2. CHFA: existing roof over theater needs replacement, but not included in this project scope. 3. CBGA: assumed structural system: concrete on steel framing.	Design Team	For Information
06	Plumbing Discussion 1. Refer to campus standards. 2. New fixtures should have sensor operators.	Design Team	For Information
07	Fire Protection Discussion 1. CHFA: existing fire alarm system to remain. Future project will verify capacity through a Flow Test. 2. Locate existing fire hydrants on site plan.	Design Team	For Information
08	Door Hardware 1. Existing classrooms have active shooter indicators on doors to lock from within. Projects should include this on Classroom spaces.	Design Team	For Information

Workshop 3

CBGA Executive and Stakeholder Meeting

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Workshop 3 – University of Tennessee Martin, CBGA Meeting Minutes

Date: 5.13.2022 **Authored by:** Jill Vowels

Meeting Details

Meeting Date:	4.9.2020	**Project Name:**	College of Business and Global Affairs Programming
Meeting Time:	08:00 AM	**Project Number:**	051755.001
Meeting Location:	University Center	**Attendees:**	Brad Burkett, UTM Dana Hagan, UTM Petra McPhearson, UTM Matt Seltzer, archimania Kayce Williford, archimania Jeff Ziebarth, Perkins&Will Jill Vowels, Perkins&Will Vanessa Eickhoff, Perkins&Will Mark Farley, CBGA
Next Meeting Date:	5.12.2022	**Cc:**	Brad Burkett

Discussion

ITEM NO.	DESCRIPTION	RESPONSIBILITY	STATUS
01	Shift Global Experience to be listed under Student Services. This should be located close to the Faculty Development space.	Design Team	For Information
02	Shift Journals to Student Services.	Design Team	For Information
03	The building donor had specific requirements for incorporation. UTM CBGA to forward list.	Design Team	For Information
04	Concepts should avoid parking north of the building site. A few spaces for visitor parking could be located. Include service parking, ADA parking and access to mechanical room, dumpsters at service entry.	Design Team	For Information

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Workshop 3 – University of Tennessee Martin, CBGA Meeting Minutes
College of Business and Global Affairs Programming
Meeting Date: 4.9.2020

05	UTM preferred service located on the southern portion of the building.	Design Team	For Information
06	CBGA liked the prominence of the Board Room in Concept 3.	Design Team	For Information
07	The Dean's suite should be prominent and visible in location.	Design Team	For Information
08	The Auditorium should be located near the MBA Classroom at Level 1.	Design Team	For Information
09	UTM and CBGA preferred Concepts 1 and 3 for the community gathering space prominence and flanking on the Quad.	Design Team	For Information

Workshop 4 - Session 1

Final CBGA Executive and Stakeholder Meeting

Perkins&Will

University of Tennessee Martin, College of Business & Global Affairs

Workshop 4 – CBGA Meeting Minutes

Date: 5.13.2022 **Authored by:** Jill Vowels

Meeting Details

Meeting Date:	5.4.2022	**Project Name:**	College of Business & Global Affairs Programming
Meeting Time:	08:00 AM	**Project Number:**	051765.001
Meeting Location:	CBGA	**Attendees:**	Brad Burkett Dana Hagan Dean Ahmad Tootoonchi Ben Luttrell Petra McPhearson Phil Cavalier (via Teams) Jeff Ziebarth Jill Vowels Kayce Williford Vanessa Eickhoff
Next Meeting Date:	none	**Cc:**	Brad Burkett

Discussion

ITEM NO.	DESCRIPTION	RESPONSIBILITY	STATUS
01	**Roadmap and Schedule Review**	Design Team	For Information
02	**Vision and Program Review** 1. MBA program will utilize and Level 1 Medium Classroom. Finishes should be upgraded for this space.	Design Team	For Information
03	**Concept Review** 1. Integrate a reception desk area in the Level 1 Lobby for security / greeting / eyes on space.	Design Team	For Information

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	2. Coordinate entry locations with directional traffic of students and faculty. 3. Building directories should be integrated as part of way finding. 4. Interna suite layouts of the Faculty Office Suites will be developed. 5. Review extent of exterior glass at stairs. 6. Exterior building / donor signage should not be located on building per UTM standards. 7. Stakeholders approved massing and program adjacencies. Transparency of spaces was confirmed approved. 8. Auditorium – CBGA requested to revise seating type to all tablet arm chairs in rows. Tables and chairs currently shown will be removed for this space. This room should integrate a stage and lectern for presentations.		
04	**Site and Systems** 1. Parking was maximized on site within the constraints of the site. Existing parking is approximately 190 spaces. New parking will be approximately 166 spaces.	Design Team	For Information

Workshop 4 - Session 2

Final Site, Systems and Infrastructure Meeting

Perkins&Will

University of Tennessee Martin, College of Business & Global Affairs

Workshop 4 – CBGA&CHFA Site, Systems Meeting Minutes

Date: 5.13.2022 **Authored by:** Jill Vowels

Meeting Details

Meeting Date:	5.4.2022	**Project Name:**	College of Business & Global Affairs Programming
Meeting Time:	10:00 AM	**Project Number:**	051765.001
Meeting Location:	CBGA	**Attendees:**	Brad Burkett, UTM Dana Hagan, UTM Jeff Ziebarth, Perkins&Will Jill Vowels, Perkins&Will Kayce Williford, archimania Matt Seltzer, archimania Vanessa Eickhoff, Perkins&Will Chris Virgin, UTM David Rinks, UTM Mark Haldeman, SSR Dan Rucker, SSR Ting Sirimoungkhons, SSR Tyler Ferguson, SSR Kristen Haltom, SSR Nicole Kozmin, SSR
Next Meeting Date:	none	**Cc:**	Brad Burkett

Discussion

ITEM NO.	DESCRIPTION	RESPONSIBILITY	STATUS
01	**Mechanical Systems Review – CBGA and CHFA** **1.** CBGA project will indicate proposed mechanical / shaft sizes provided.	Design Team	For Information

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Please note: *The foregoing constitutes our understanding of matters discussed and conclusions reached. Other participants are requested to review these items and advise the originator in writing of any errors or omissions.*

	2. UTM Facilities prefers 100% redundancy in systems. **3.** CBGA & CHFA: heat exchanger systems with redundant boilers. **4.** CHFA – boilers are providing the redundancy, will ensure boilers are sized for capacity. **5.** CHFA requires humidification. **6.** CBGA Board Room Pantry and Coffee Kiosk: grab and go type programs assumed. Project to provide exhaust only. Both spaces will have a 3-compartment sink, therefore grease trap will be indicated. **7.** UTM Facilities noted concern over economizer cooling. **8.** CBGA will integrate fin tube at the perimeter of the Community Gathering curtain walls, Level 1.		
02	**Plumbing** 1. Will indicate grease trap and locations noted above. 2. Fire Pump requirement – to be determined in testing during Design Phase.	Design Team	For Information
03	**Fire Protection** 1. CHFA – smoke evacuation required for Fine Arts assembly space. 2. CBGA – smoke evacuation or limited enclosure will be reviewed during Design Phase at Level 1 Community Gathering volume. 3. Fire Control Panel to be located within accessible corridor – not to be enclosed in a 'room'.	Design Team	For Information
04	**Electrical** 1. CBGA – a generator may be required pending the need for smoke evacuation If needed, the system should be sized to integrate emergency systems, fire pump, etc. 2. CHFA – capacity of spare amp to be reviewed during Design Phase, pending loads.	Design Team	For Information
05	**Structural** 1. Three Add Alternate modifications will be included in the Predesign Cost Model to document magnitude.	Design Team	For Information
05	**Landscape** 1. Cast in place concrete and wood furniture should be avoided per UTM standards and maintenance issues. 2. Transitions from modern building to rural campus via limestone caps, tumbled pavers and cut stone should be considered. 3. UTM would consider stabilized aggregate surfaces. 4. Site furnishings should integrate power and lighting. 5. Bollards should be avoided. Campus standard lighting is acorn type fixture in multiple heights. 6. Campus utilizes limited irrigation for entry or special zones only.	Design Team	For Information

	7. Design team will update potential plant materials per comments. 8. Tree preservation is a priority for campus – will be noted in the Predesign Narrative.		

Appendix B
Room Data Sheets

RDS 1.1.1 Financial Markets Lab
RDS 1.1.2 Professional Sales Lab / Mock Court
RDS 1.1.3 Computer Teaching & Visualization Lab
RDS 1.1.4 MIS Computer Lab
RDS 1.1.5 Writing Lab
RDS 1.2.1 Auditorium
RDS 1.2.2. Studio Enterprise Classroom
RDS 1.2.3 Large Classroom
RDS 1.2.4 Medium Classroom
RDS 1.2.5 Active Learning Classroom
RDS 1.2.6 Small Classroom
RDS 1.2.7 MBA Classroom
RDS 2.1.1 Office - Dean
RDS 2.1.2 Office - Dept Chair
RDS 2.1.3 Office - Typical
RDS 2.1.4 Office - Advisors
RDS 2.1.5 Open Workstation
RDS 2.2.1 Conference Room (8 seats)
RDS 2.2.2 Conference Room (12 seats)
RDS 2.2.3 Conference Room (20 seats)
RDS 5.4.5 Pantry / Copy
RDS 6.1.1 Community Gathering
RDS 6.2.1 Food Service
RDS 6.4.1 Small Group Study Room
RDS 6.4.2 Focus Room
RDS 7.2.1 Board Room

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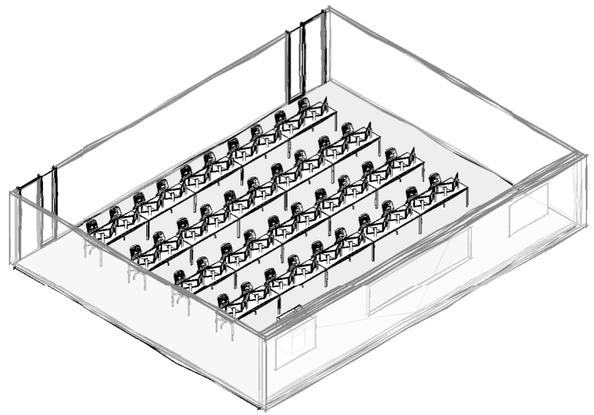
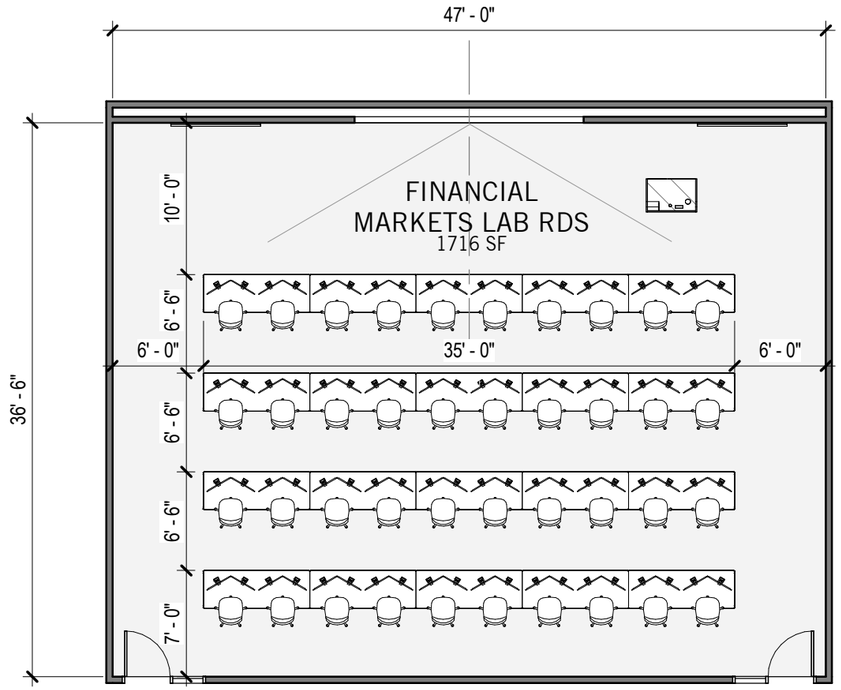


2 DIAGRAM AXON - FINANCIAL MARKET LAB



1 FLOOR PLAN - FINANCIAL MARKET LAB
1" = 10'-0"

0 5' 10' 20'

FINANCIAL MARKETS LAB RDS

ROOM NUMBER 1.1.1 1716 SF

USE

Department:	CBGA
Room Type:	CLASSROOM
Proposed ASF:	1700 SF
Capacity:	40
Activities:	TEACHING
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	COMMUNITY GATHERING

FINISH

Ceiling Height:	10' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITOR, DUAL MONITOR AT EACH WORKSTATION
Network:	WIRELESS ACCESS POINT, DATA CABLING TO EACH MONITOR / CPU
Communication:	SOUND MASK?

MECH, ELEC, & PLUMB

Ventilation:	DEMAND CONTROL VENTILATION, OCC & CO2 SENSORS, CONTROL SEQUENCES AT AHU
Artificial Lighting:	OCCUPANCY SENSORS, ZONED, DIMMABLE
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

COMPUTER DESKS AND CHAIRS, POWERED MOBILE LECTURN, MARKERBOARD

ADDITIONAL REMARKS

HIGH-TECH, HIGH-PROFILE

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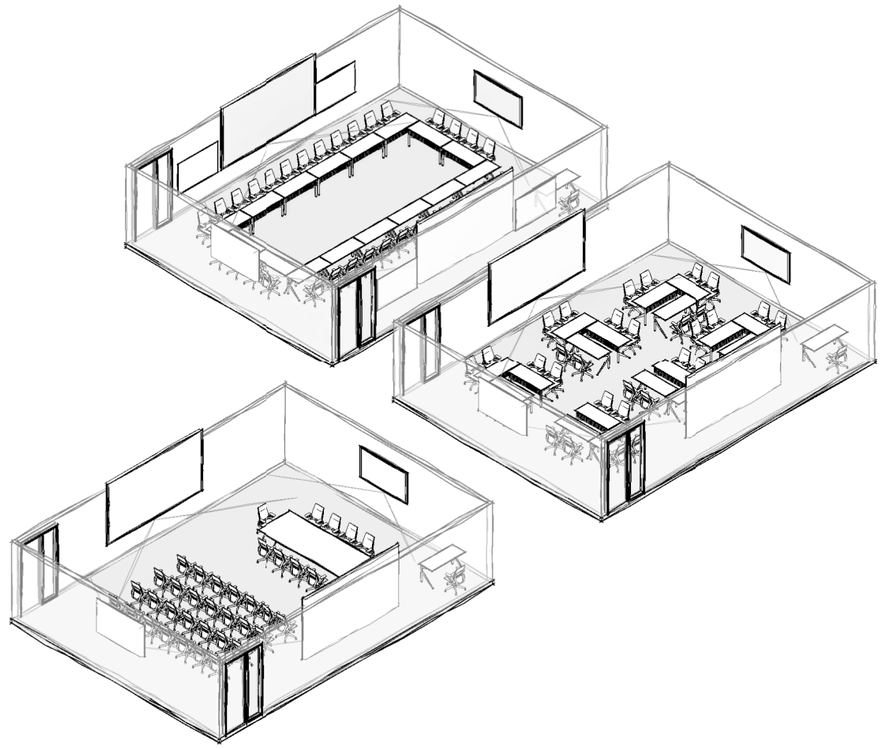
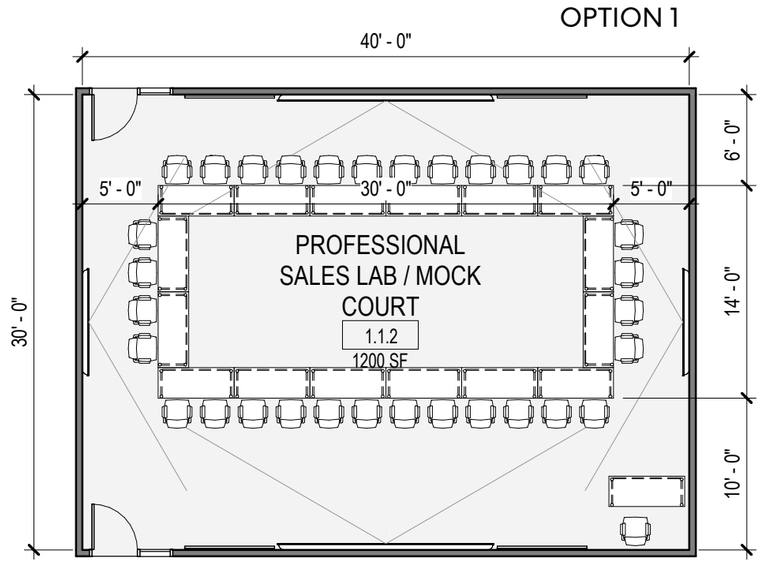
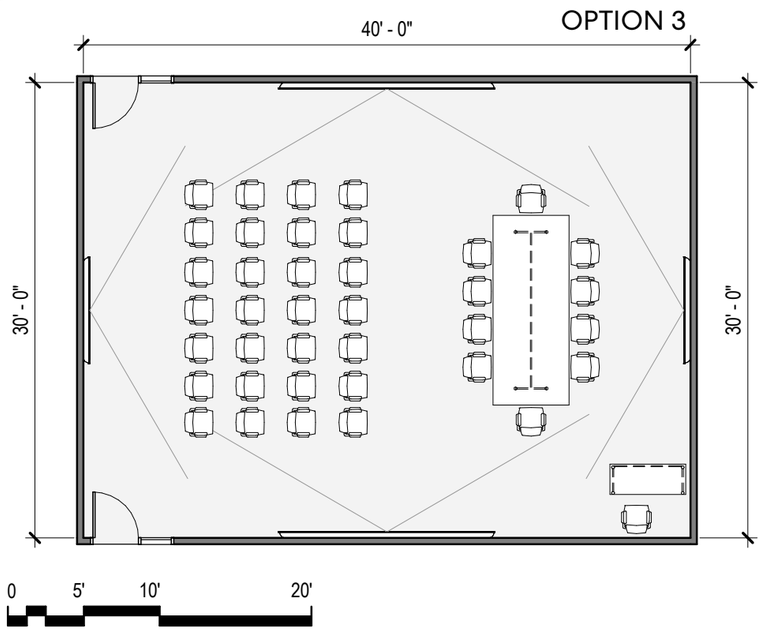
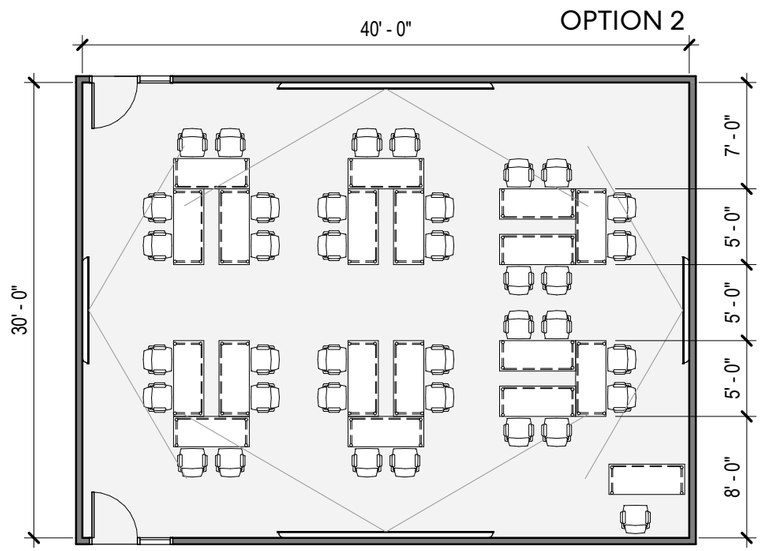


2 DIAGRAM AXON - PROFESSIONAL SALES LAB / MOCK COURT







1 FLOOR PLAN - PROFESSIONAL SALES LAB / MOCK COURT
1" = 10'-0"

PROFESSIONAL SALES LAB / MOCK COURT

ROOM NUMBER 1.1.2 1200 SF

USE

Department:	CBGA
Room Type:	CLASSROOM
Proposed ASF:	1200 SF
Capacity:	30
Activities:	TEACHING
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	EXECUTIVE CENTER

FINISH

Ceiling Height:	10' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	TBD
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITORS, CEILING MOUNTED SPEAKERS
Network:	WIRELESS ACCESS POINT, DATA CABLING TO PRESENTATION AREA
Communication:	TBD

MECH, ELEC, & PLUMB

Ventilation:	DEMAND CONTROL VENTILATION, OCC & CO2 SENSORS, CONTROL SEQUENCES AT AHU
Artificial Lighting:	OCCUPANCY SENSORS, ZONED, DIMMABLE
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

FLEXIBLE TABLES AND CHAIRS, WHITEBOARDS

ADDITIONAL REMARKS

FLEXIBLE FURNITURE CONFIGURATIONS

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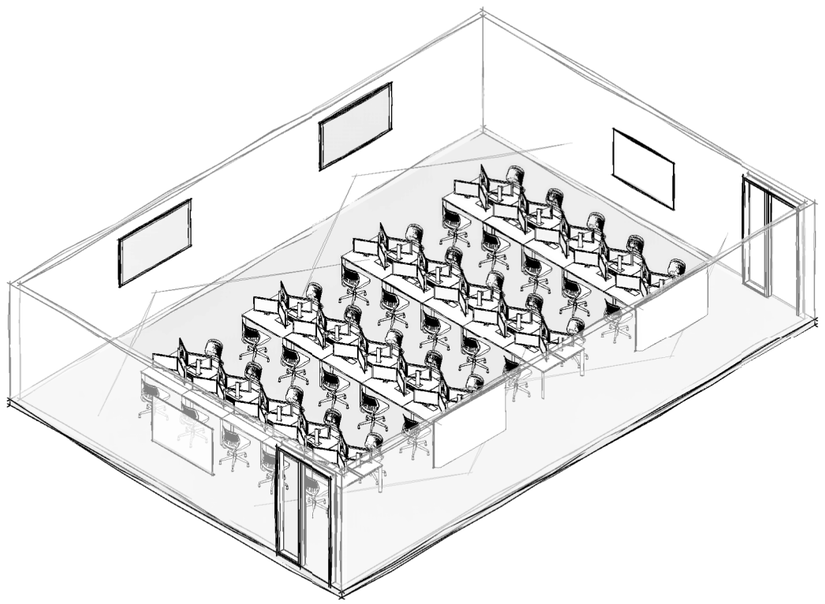
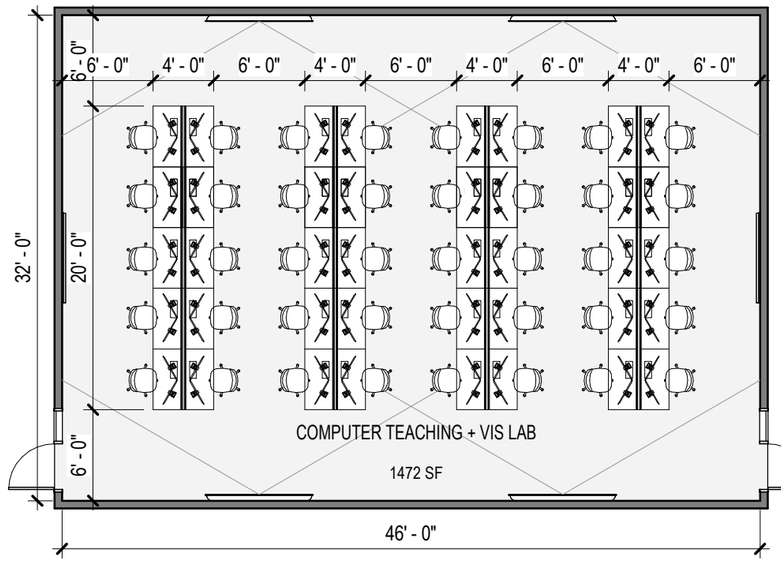


2 DIAGRAM AXON - COMPUTER TEACHING + VIS LAB



1 FLOOR PLAN - COMPUTER TEACHING + VISUALIZATION LAB
1" = 10'-0"

0 5' 10' 20'

COMPUTER TEACHING + VIS LAB

ROOM NUMBER 1.1.3 1472 SF

USE

Department:	CBGA
Room Type:	CLASSROOM
Proposed ASF:	1400 SF
Capacity:	40
Activities:	TEACHING
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	NONE

FINISH

Ceiling Height:	
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITOR, DUAL MONITOR AT EACH WORKSTATION
Network:	WIRELESS ACCESS POINT, DATA CABLING TO EACH MONITOR / CPU
Communication:	TBD

MECH, ELEC, & PLUMB

Ventilation:	DEMAND CONTROL VENTILATION, OCC & CO2 SENSORS, CONTROL SEQUENCES AT AHU
Artificial Lighting:	OCCUPANCY SENSORS, ZONED, DIMMABLE
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

COMPUTER DESKS AND CHAIRS, WHITEBOARDS

ADDITIONAL REMARKS

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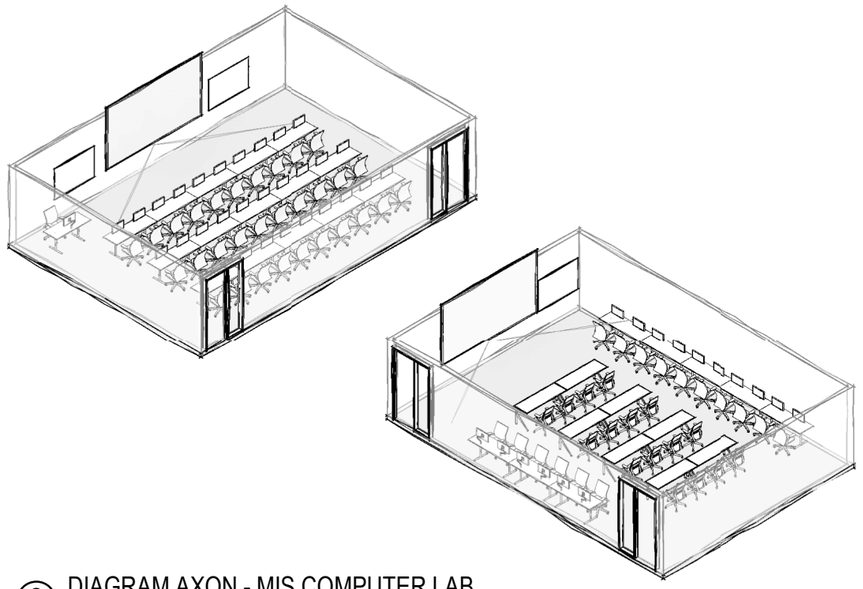
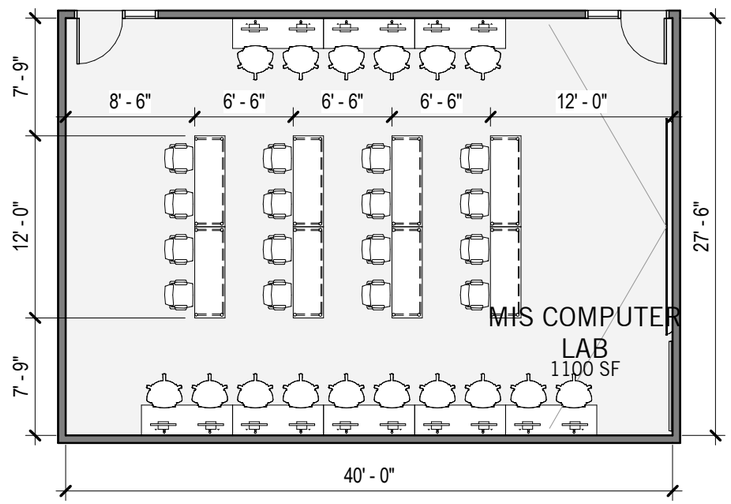
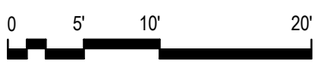


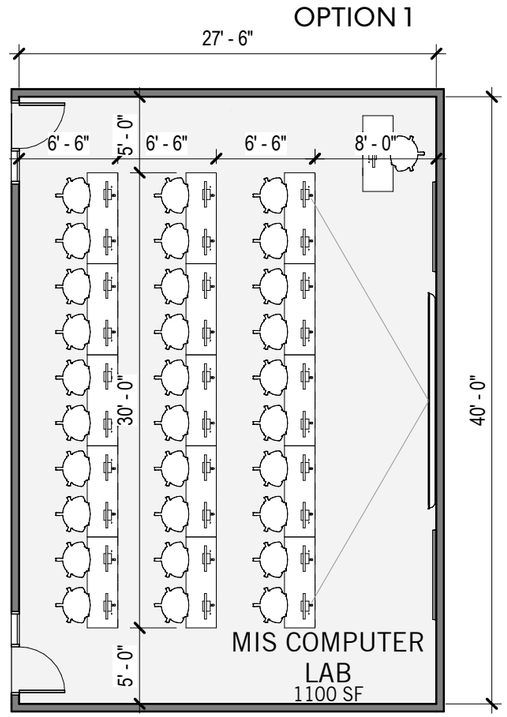
2 DIAGRAM AXON - MIS COMPUTER LAB

OPTION 2





OPTION 1



1 FLOOR PLAN - MIS COMPUTER LAB
1" = 10'-0"

MIS COMPUTER LAB

ROOM NUMBER 6.2.245 1100 SF

USE

Department:	CBGA
Room Type:	CLASSROOM
Proposed ASF:	1100 SF
Capacity:	30
Activities:	LEARN
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	

FINISH

Ceiling Height:	
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITOR, SINGLE MONITOR AT EACH WORKSTATION
Network:	WIRELESS ACCESS POINT, DATA CABLING TO EACH MONITOR / CPU
Communication:	TBD

MECH, ELEC, & PLUMB

Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS, ZONED, DIMMABLE
Plumbing:	NONE

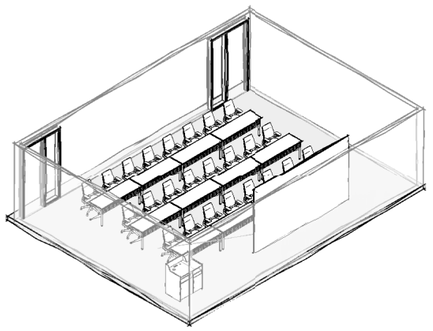
EQUIPMENT/ FURNISHINGS

FLEXIBLE TABLES AND CHAIRS, WHITEBOARDS

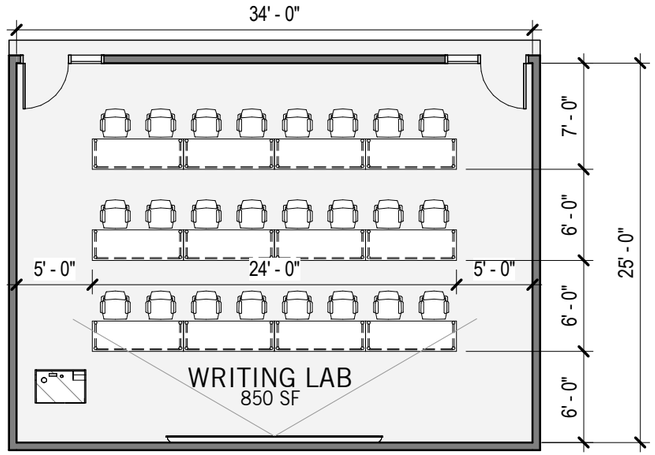
ADDITIONAL REMARKS

HARDWARE TECHNOLOGY

6/7/2022 11:44:53 AM



2 DIAGRAM AXON - WRITING LAB



1 FLOOR PLAN - WRITING LAB
1" = 10'-0"

0 5' 10' 20'

WRITING LAB

ROOM NUMBER 1.1.5 850 SF

USE

Department:	CBGA
Room Type:	CLASSROOM
Proposed ASF:	850 SF
Capacity:	24
Activities:	LEARN
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	PUBLIC CORRIDOR

FINISH

Ceiling Height:	10' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITOR
Network:	WIRELESS ACCESS POINT, DATA CABLING TO PRESENTATION AREA
Communication:	TBD

MECH, ELEC, & PLUMB

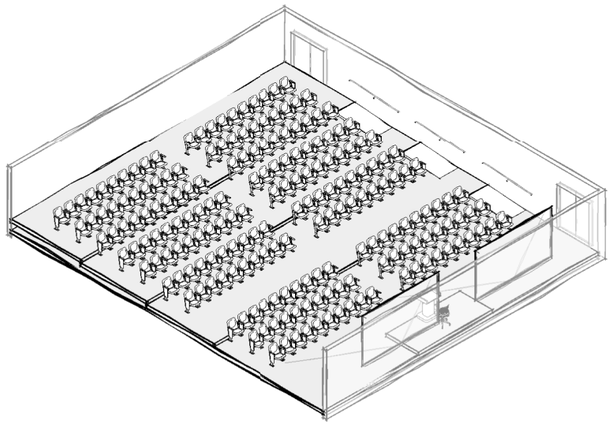
Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS, ZONED, DIMMABLE
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

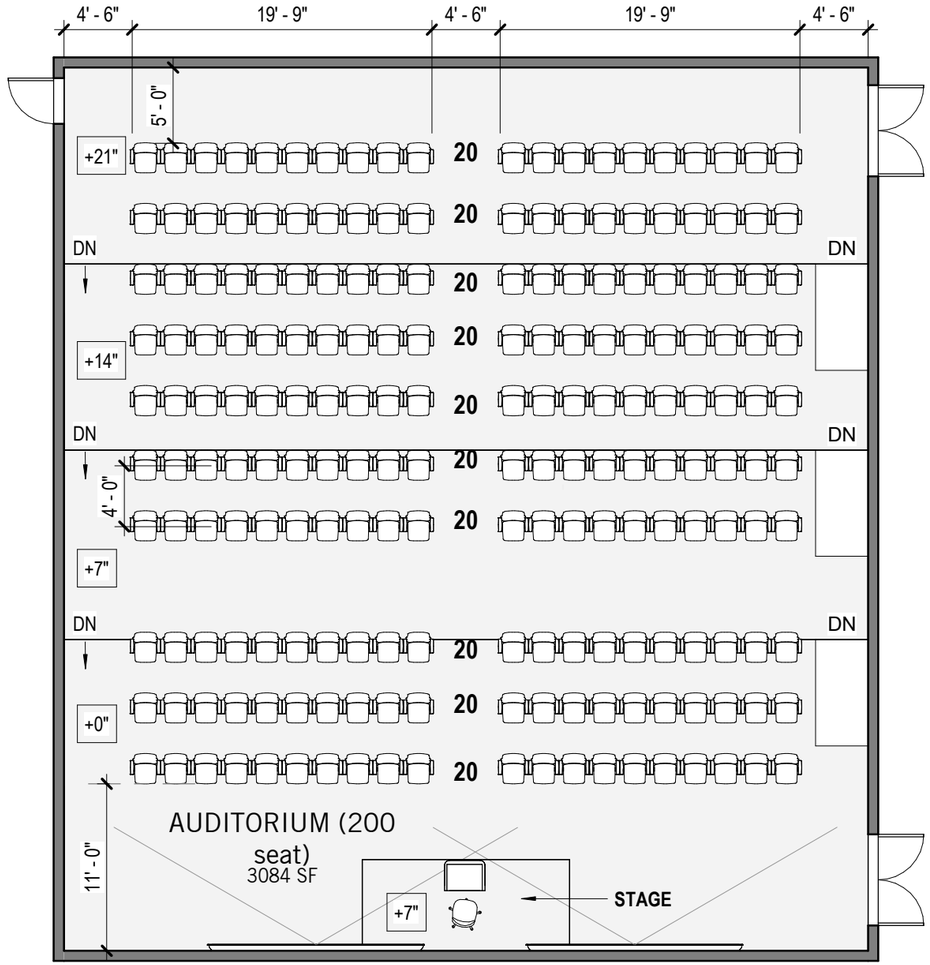
FLEXIBLE TABLES AND CHAIR, POWERED MOBILE LECTURN

ADDITIONAL REMARKS

6/7/2022 11:44:55 AM



2 DIAGRAM AXON - AUDITORIUM



0 5' 10' 20'

1 FLOOR PLAN - AUDITORIUM
1" = 10'-0"

AUDITORIUM (200 seat)

ROOM NUMBER 1.2.1 3084 SF

USE

Department:	CBGA
Room Type:	CLASSROOM
Proposed ASF:	3084 SF
Capacity:	200
Activities:	LEARN, EVENT
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	MAIN BUILDING ENTRY

FINISH

Ceiling Height:	12' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE, POLISHED CONCRETE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NONE
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER, POWER OPERATORS
Other:	SPECIALTY FINISHES, MOTORIZED ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITORS, CEILING MOUNTED SPEAKERS
Network:	WIRELESS ACCESS POINT, DATA CABLING TO PRESENTATION AREA
Communication:	TBD

MECH, ELEC, & PLUMB

Ventilation:	DEMAND CONTROL VENTILATION, OCC & CO2 SENSORS, CONTROL SEQUENCES AT AHU
Artificial Lighting:	OCC SENSORS, SPECIALTY, ZONED, DIMMABLE
Plumbing:	NONE

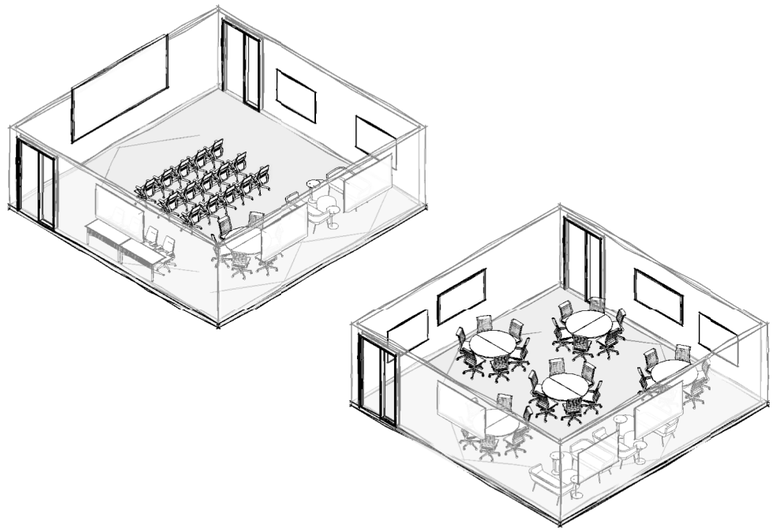
EQUIPMENT/ FURNISHINGS

TABLE AND CHAIR SEATING FOR 65, SWING TABLET ARM SEATING FOR 120, POWERED MOBILE LECTURN

ADDITIONAL REMARKS

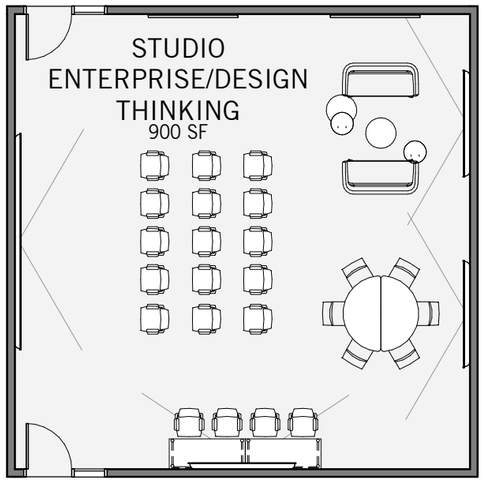
TIERED SEATING ROWS

6/7/2022 11:45:11 AM

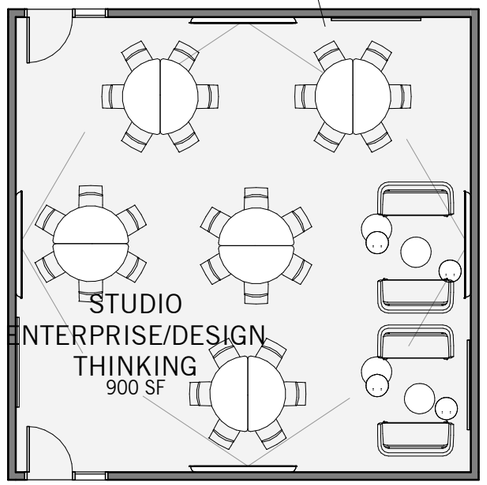


② AXON DIAGRAM - STUDIO ENTERPRISE / DESIGN THINKING

OPTION 2



OPTION 1



0 5' 10' 20'

① FLOOR PLAN - STUDIO ENTERPRISE / DESIGN THINKING
1" = 10'-0"

STUDIO ENTERPRISE/DESIGN THINKING

ROOM NUMBER 1.2.8 900 SF

USE

Department:	CBGA
Room Type:	CLASSROOM
Proposed ASF:	900 SF
Capacity:	30
Activities:	LEARN
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	PUBLIC CORRIDOR

FINISH

Ceiling Height:	10' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	MONITORS
Network:	WIRELESS ACCESS POINT
Communication:	TBD

MECH, ELEC, & PLUMB

Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS, ZONED, DIMMABLE
Plumbing:	NONE

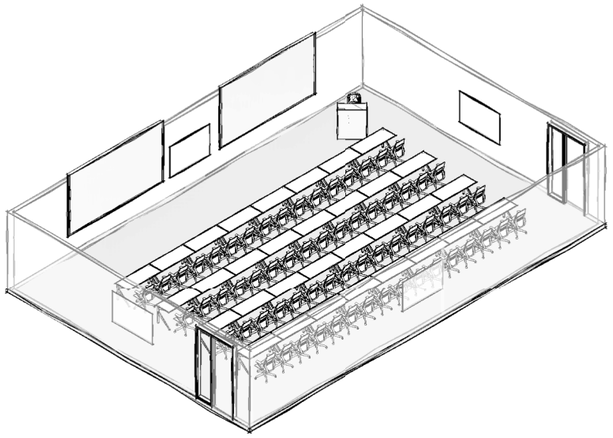
EQUIPMENT/ FURNISHINGS

FLEXIBLE SEATING, WHITEBOARDS

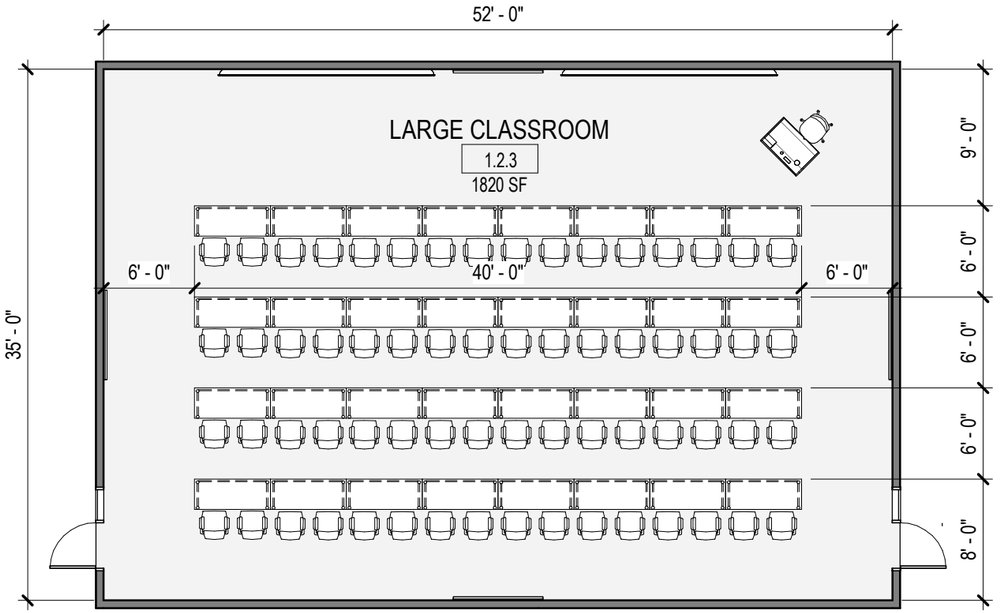
ADDITIONAL REMARKS

HIGH-PROFILE

6/7/2022 11:45:15 AM



2 DIAGRAM AXON - LARGE CLASSROOM



1 FLOOR PLAN - LARGE CLASSROOM
1" = 10'-0"

0 5' 10' 20'

LARGE CLASSROOM

ROOM NUMBER 1.2.3 1820 SF

USE

Department:	CBGA
Room Type:	CLASSROOM
Proposed ASF:	1820 SF
Capacity:	65
Activities:	LEARN
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	PUBLIC CORRIDOR

FINISH

Ceiling Height:	11' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITORS, CEILING MOUNTED SPEAKERS
Network:	WIRELESS ACCESS POINT
Communication:	TBD

MECH, ELEC, & PLUMB

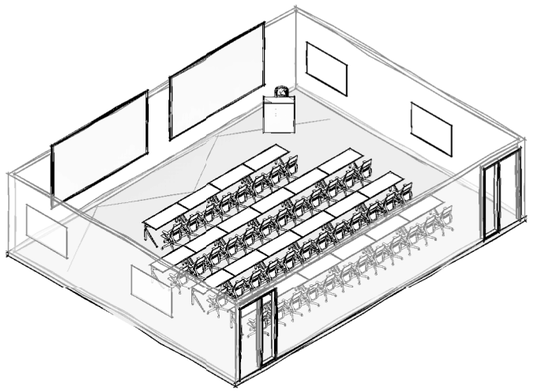
Ventilation:	DEMAND CONTROL VENTILATION, OCC & CO2 SENSORS, CONTROL SEQUENCES AT AHU
Artificial Lighting:	OCCUPANCY SENSORS, ZONED, DIMMABLE
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

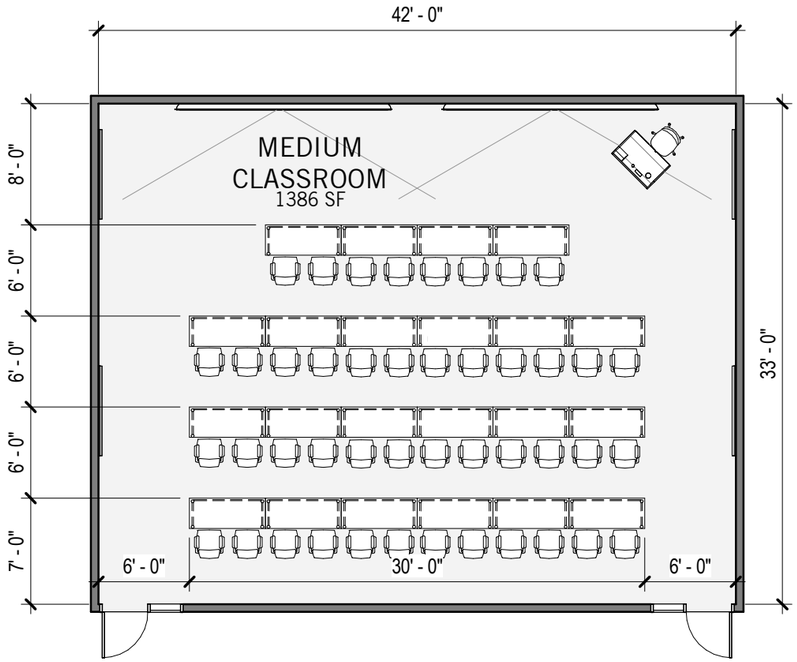
FLEXIBLE TABLES AND CHAIR, POWERED MOBILE LECTURN, WHITEBOARDS

ADDITIONAL REMARKS

6/7/2022 11:45:19 AM



2 AXON DIAGRAM - MEDIUM CLASSROOM



1 FLOOR PLAN - MEDIUM CLASSROOM
1" = 10'-0"

0 5' 10' 20'

MEDIUM CLASSROOM

ROOM NUMBER 1.2.4 1386 SF

USE

Department: CBGA
Room Type: CLASSROOM
Proposed ASF: 1350 SF
Capacity: 45
Activities: LEARN
Access: TBD
Frequency/ Hours: BUILDING HOURS
Adjacencies: PUBLIC CORRIDOR

FINISH

Ceiling Height: 10' - 0"
Ceiling Treatment: ACOUSTIC CEILING TILE
Floor Finish: CARPET TILE
Wall Finish: PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting: YES
Casework: NO
Accessories: TBD
Hardware: LOCKABLE, CARD READER
Other: ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual: WALL MOUNT MONITORS, CEILING MOUNTED SPEAKERS
Network: WIRELESS ACCESS POINT
Communication: TBD

MECH, ELEC, & PLUMB

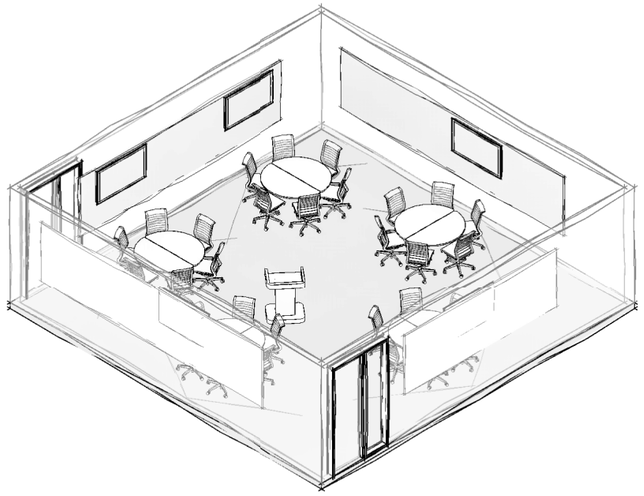
Ventilation: DEMAND CONTROL VENTILATION, OCC & CO2 SENSORS, CONTROL SEQUENCES AT AHU
Artificial Lighting: OCCUPANCY SENSORS, ZONED, DIMMABLE
Plumbing: NONE

EQUIPMENT/ FURNISHINGS

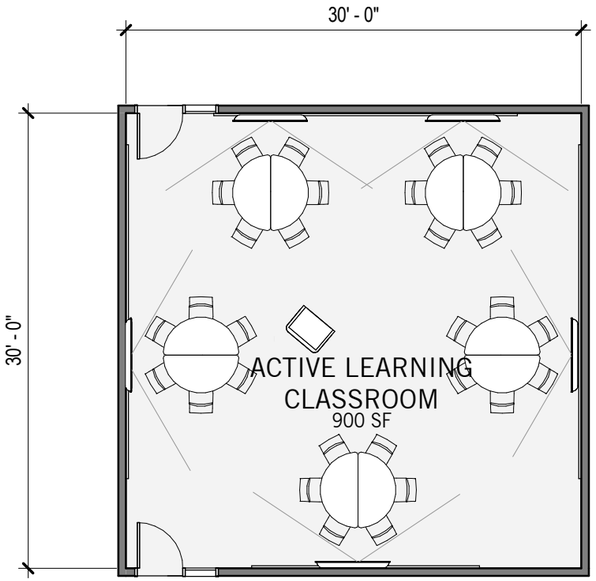
FLEXIBLE TABLES AND CHAIR, POWERED MOBILE LECTURN, WHITEBOARDS

ADDITIONAL REMARKS

6/7/2022 11:45:22 AM



2 DIAGRAM AXON - ACTIVE LEARNING CLASSROOM



1 FLOOR PLAN - ACTIVE LEARNING CLASSROOM
1" = 10'-0"

0 5' 10' 20'

ACTIVE LEARNING CLASSROOM

ROOM NUMBER 1.2.5 900 SF

USE

Department:	CBGA
Room Type:	CLASSROOM
Proposed ASF:	900 SF
Capacity:	31
Activities:	LEARN
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	PUBLIC CORRIDOR

FINISH

Ceiling Height:	10' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITOR, VIDEO CONFERENCING, MICROPHONES
Network:	WIRELESS ACCESS POINT, DATA CABLING
Communication:	TBD

MECH, ELEC, & PLUMB

Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS, ZONED, DIMMABLE
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

FLEXIBLE ROUND TABLES AND CHAIRS

ADDITIONAL REMARKS

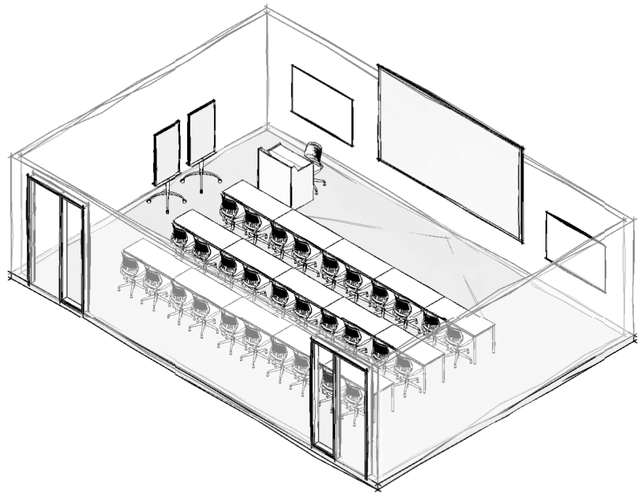
6/7/2022 11:45:26 AM

University of Tennesee Martin, College of Business & Global Affairs Programming

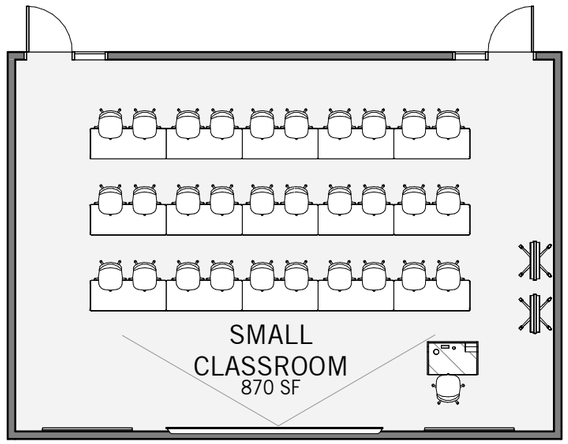
RDS 1.2.5 ACTIVE LEARNING CLASSROOM

Scale: 1/8" = 10'-0"

Perkins&Will



2 AXON DIAGRAM - SMALL CLASSROOM



1 FLOOR PLAN - SMALL CLASSROOM
1" = 10'-0"

0 5' 10' 20'

SMALL CLASSROOM

ROOM NUMBER 1.2.6 870 SF

USE

Department:	CBGA
Room Type:	CLASSROOM
Proposed ASF:	900 SF
Capacity:	31
Activities:	LEARN
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	PUBLIC CORRIDOR

FINISH

Ceiling Height:	10' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITORS, CEILING MOUNTED SPEAKERS
Network:	WIRELESS ACCESS POINT
Communication:	TBD

MECH, ELEC, & PLUMB

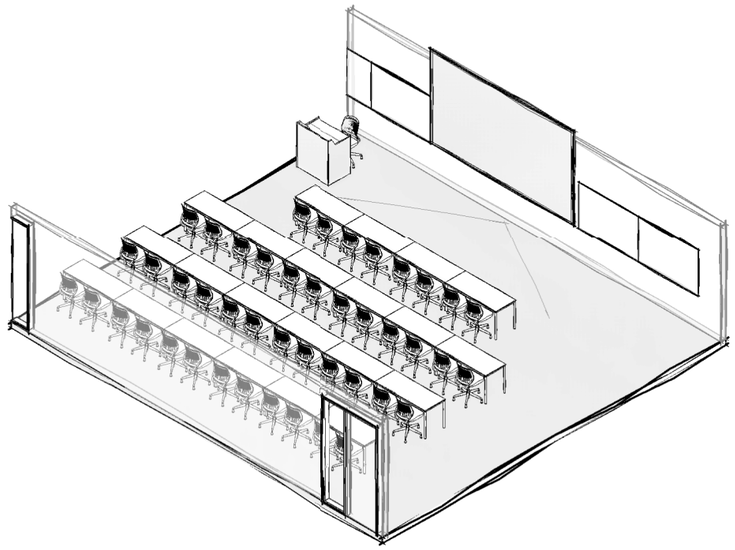
Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS, ZONED, DIMMABLE
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

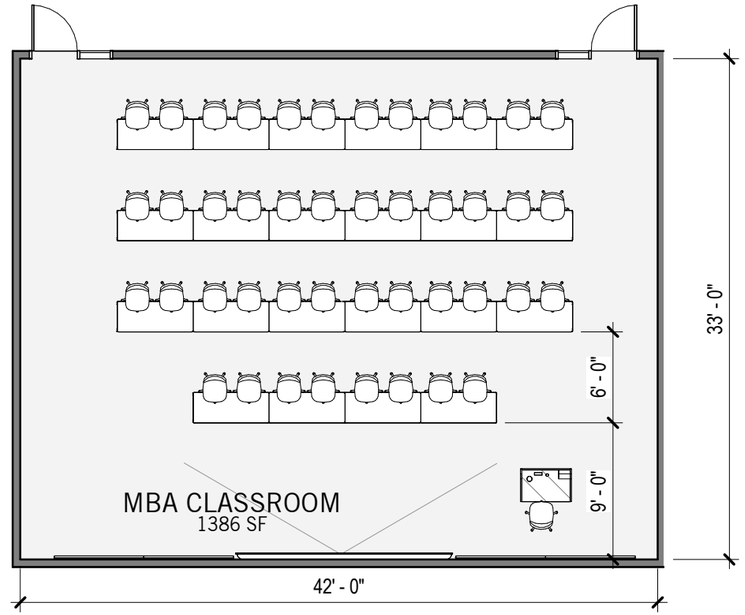
FLEXIBLE TABLES AND CHAIR, POWERED MOBILE LECTURN, WHITEBOARDS

ADDITIONAL REMARKS

6/7/2022 11:45:30 AM



2 AXON DIAGRAM - MBA CLASSROOM



1 FLOOR PLAN - MBA CLASSROOM
1" = 10'-0"

0 5' 10' 20'

MBA CLASSROOM

ROOM NUMBER 1.2.7 1386 SF

USE

Department:	CBGA
Room Type:	CLASSROOM
Proposed ASF:	1386 SF
Capacity:	45
Activities:	LEARN
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	PUBLIC CORRIDOR

FINISH

Ceiling Height:	10' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER
Other:	SPECIALTY FINISHES, ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITOR, VIDEO CONFERENCING, MICROPHONES
Network:	WIRELESS ACCESS POINT, DATA CABLING
Communication:	TBD

MECH, ELEC, & PLUMB

Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCC SENSORS, SPECIALTY, ZONED, DIMMABLE
Plumbing:	NONE

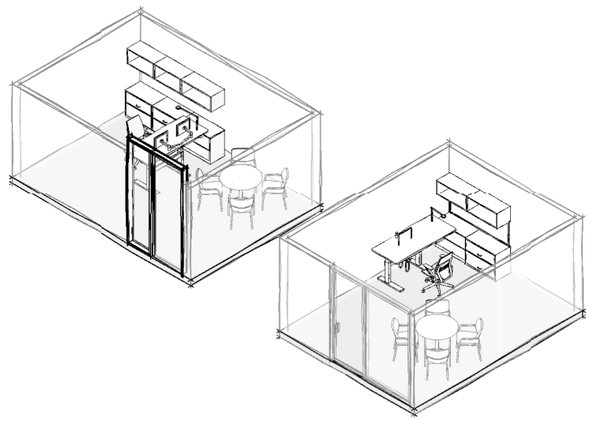
EQUIPMENT/ FURNISHINGS

FLEXIBLE TABLES AND CHAIR, POWERED MOBILE LECTURN

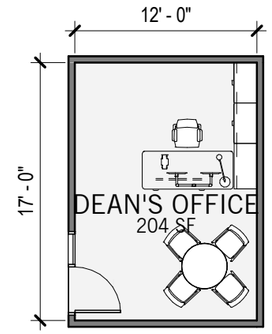
ADDITIONAL REMARKS

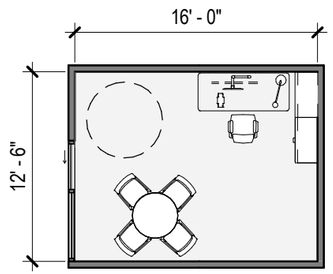
UPGRADED FINISHES THIS ROOM

6/7/2022 11:45:34 AM



2 DIAGRAM AXON - DEANS OFFICE





1 FLOOR PLAN - DEAN'S OFFICE
1" = 10'-0"

0 5' 10' 20'

DEAN'S OFFICE

ROOM NUMBER 2.1.1 204 SF

USE

Department:	CBGA ADMINISTRATION
Room Type:	OFFICE
Proposed ASF:	200 SF
Capacity:	5
Activities:	WORK
Access:	SECURED SUITE
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	CBGA ADMINISTRATION

FINISH

Ceiling Height:	9' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	DUAL MONITOR ARM, ABOVE BENCH POWER AND USB
Network:	WIRELESS ACCESS POINT, HARD WIRE COMPUTER CONNECTIONS
Communication:	PHONE

MECH, ELEC, & PLUMB

Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS, TASK LIGHT
Plumbing:	NONE

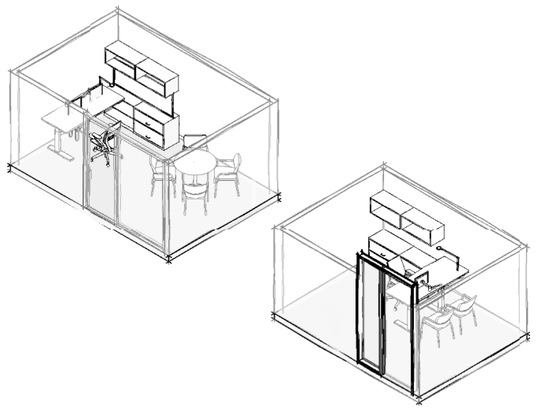
EQUIPMENT/ FURNISHINGS

ADJUSTABLE SIT STAND DESK, BELOW DESK CABINET STORAGE AND SHELVING, GUEST TABLE WITH CHAIRS

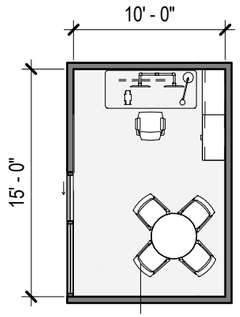
ADDITIONAL REMARKS

UPGRADED FINISHES

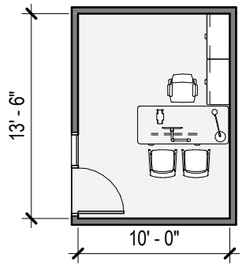
6/7/2022 11:45:37 AM



2 AXON DIAGRAM - DEPARTMENT CHAIR OFFICE



DEPARTMENT
CHAIR OFFICE
150 SF



1 FLOOR PLAN - DEPARTMENT CHAIR OFFICE
1" = 10'-0"

0 5' 10' 20'

DEPARTMENT CHAIR OFFICE

ROOM NUMBER 2.1.2 150 SF

USE

Department:	CBGA
Room Type:	OFFICE
Proposed ASF:	150 SF
Capacity:	5
Activities:	WORK
Access:	SECURED SUITE
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	FACULTY

FINISH

Ceiling Height:	9' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	DUAL MONITOR ARM, ABOVE BENCH POWER AND USB
Network:	WIRELESS ACCESS POINT, HARD WIRE COMPUTER CONNECTIONS
Communication:	PHONE

MECH, ELEC, & PLUMB

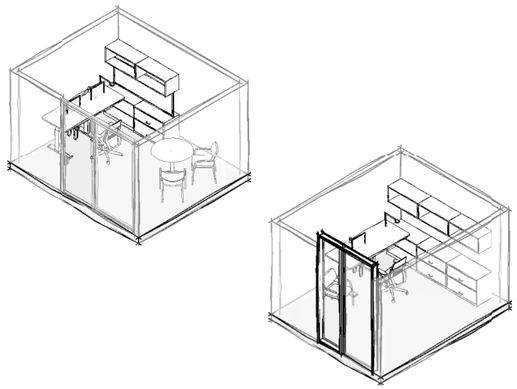
Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS, TASK LIGHT
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

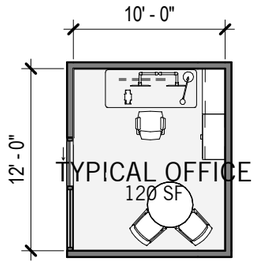
ADJUSTABLE SIT STAND DESK, BELOW DESK CABINET STORAGE AND SHELVING, GUEST TABLE WITH CHAIRS

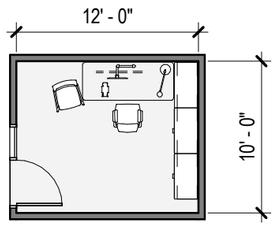
ADDITIONAL REMARKS

6/7/2022 11:45:40 AM



2 AXON DIAGRAM - TYPICAL OFFICE





1 FLOOR PLAN - TYPICAL OFFICE
1" = 10'-0"

0 5' 10' 20'

TYPICAL OFFICE

ROOM NUMBER 2.1.3 120 SF

USE

Department:	CBGA FACULTY
Room Type:	OFFICE
Proposed ASF:	120 SF
Capacity:	3
Activities:	WORK
Access:	SECURED SUITE
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	FACULTY

FINISH

Ceiling Height:	9' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	DUAL MONITOR ARM, ABOVE BENCH POWER AND USB
Network:	WIRELESS ACCESS POINT, HARD WIRE COMPUTER CONNECTIONS
Communication:	PHONE

MECH, ELEC, & PLUMB

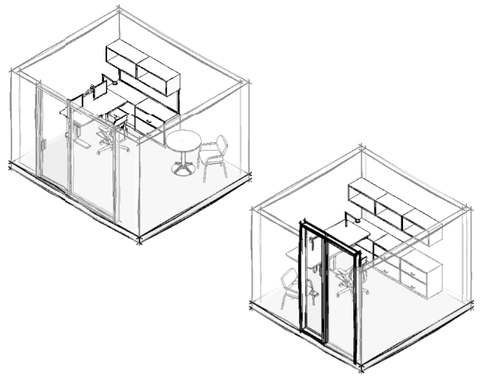
Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS, TASK LIGHT
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

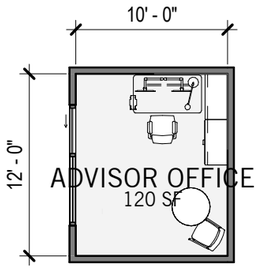
ADJUSTABLE SIT STAND DESK, BELOW DESK CABINET STORAGE AND SHELVING, GUEST TABLE WITH CHAIRS

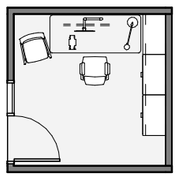
ADDITIONAL REMARKS

6/7/2022 11:45:43 AM



2 AXON DIAGRAM - ADVISOR OFFICE





1 FLOOR PLAN - ADVISOR OFFICE
1" = 10'-0"

0 5' 10' 20'

ADVISOR OFFICE

ROOM NUMBER 2.1.4 120 SF

USE

Department:	CBGA STUDENT SERVICES
Room Type:	OFFICE
Proposed ASF:	120 SF
Capacity:	2
Activities:	ADVISING
Access:	SECURED SUITE
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	STUDENT SERVICES

FINISH

Ceiling Height:	9' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	DUAL MONITOR ARM, ABOVE BENCH POWER AND USB
Network:	WIRELESS ACCESS POINT, HARD WIRE COMPUTER CONNECTIONS
Communication:	PHONE

MECH, ELEC, & PLUMB

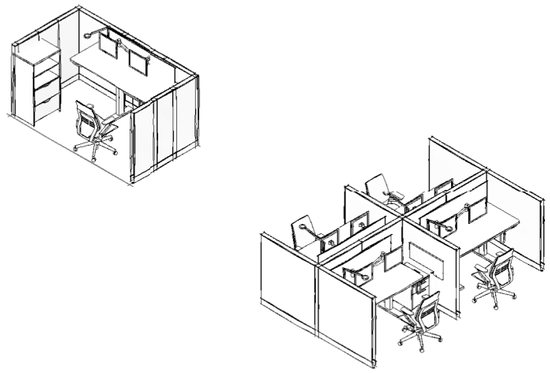
Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS, TASK LIGHT
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

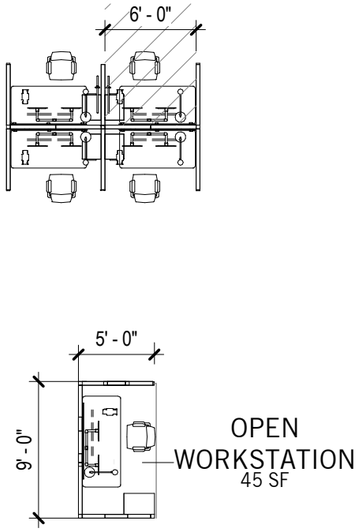
ADJUSTABLE SIT STAND DESK, BELOW DESK CABINET STORAGE AND SHELVING, GUEST TABLE WITH CHAIRS

ADDITIONAL REMARKS

6/7/2022 11:45:46 AM



② AXON DIAGRAM - OPEN WORKSTATION



① FLOOR PLAN - OPEN WORKSTATION
1" = 10'-0"

0 5' 10' 20'

OPEN WORKSTATION

ROOM NUMBER 2.1.5 45 SF

USE

Department:	CBGA
Room Type:	WORKSTATION
Proposed ASF:	45 SF
Capacity:	1
Activities:	WORK
Access:	SECURED SUITE
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	OFFICES

FINISH

Ceiling Height:	9' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	N/A
Natural Lighting:	N/A
Casework:	N/A
Accessories:	N/A
Hardware:	N/A
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	DUAL MONITOR ARM, ABOVE BENCH POWER AND USB
Network:	WIRELESS ACCESS POINT, HARD WIRE COMPUTER CONNECTIONS
Communication:	PHONE

MECH, ELEC, & PLUMB

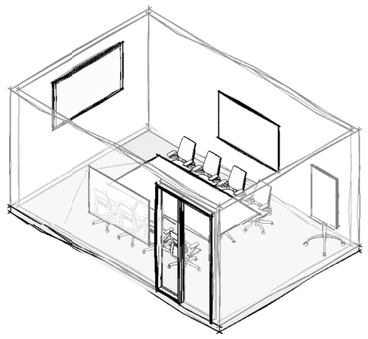
Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS, TASK LIGHTING
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

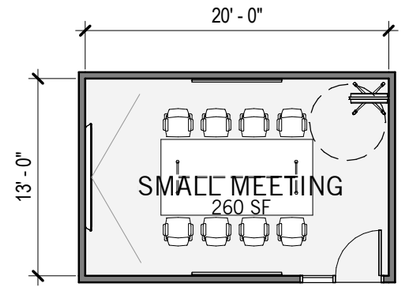
ADJUSTABLE SIT STAND DESK, PERSONAL STORAGE CABINET BELOW, PANEL DIVIDERS

ADDITIONAL REMARKS

6/7/2022 11:45:50 AM



2 AXON DIAGRAM - SMALL MEETING



1 FLOOR PLAN - SMALL MEETING
1" = 10'-0"

0 5' 10' 20'

SMALL MEETING

ROOM NUMBER 2.2.1 260 SF

USE

Department:	CBGA
Room Type:	CONFERENCE
Proposed ASF:	260 SF
Capacity:	8
Activities:	MEETING
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	WORK

FINISH

Ceiling Height:	9' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITOR
Network:	WIRELESS ACCESS POINT, DATA CABLING CONNECTIONS AT TABLE
Communication:	TBD

MECH, ELEC, & PLUMB

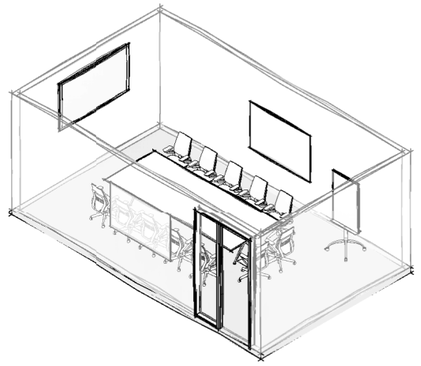
Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

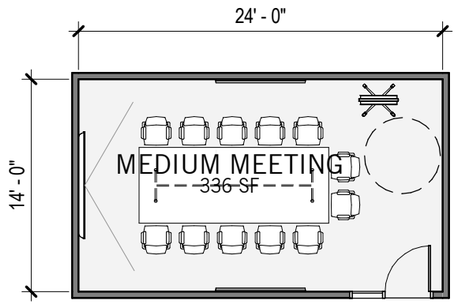
CONFERENCE TABLE WITH CHAIRS, MARKERBOARDS

ADDITIONAL REMARKS

6/7/2022 11:45:53 AM



2 AXON DIAGRAM - MEDIUM MEETING



1 FLOOR PLAN - MEDIUM MEETING
1" = 10'-0"

0 5' 10' 20'

MEDIUM MEETING

ROOM NUMBER 2.2.2 336 SF

USE

Department:	CBGA
Room Type:	CONFERENCE
Proposed ASF:	336 SF
Capacity:	12
Activities:	MEETING
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	WORK

FINISH

Ceiling Height:	9' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITOR
Network:	WIRELESS ACCESS POINT, DATA CABLING
Communication:	CONNECTIONS AT TABLE

MECH, ELEC, & PLUMB

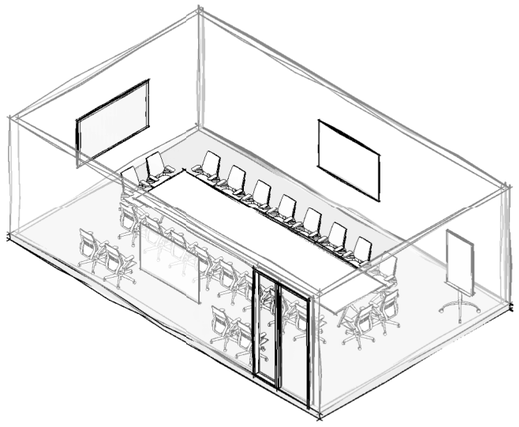
Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS, ZONED
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

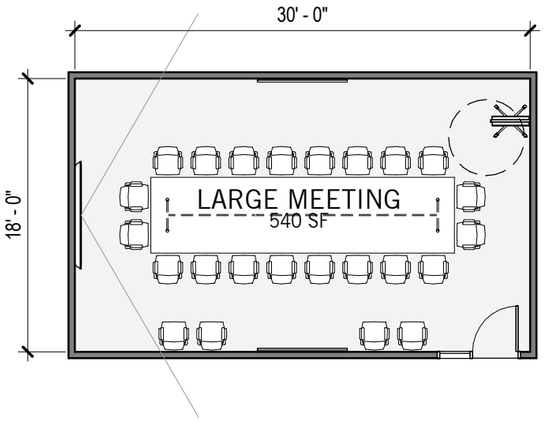
CONFERENCE TABLE WITH CHAIRS, MARKERBOARDS

ADDITIONAL REMARKS

6/7/2022 11:45:57 AM



2 AXON DIAGRAM - LARGE MEETING



1 FLOOR PLAN - LARGE MEETING
1" = 10'-0"

LARGE MEETING

ROOM NUMBER 2.2.3 540 SF

USE

Department:	CBGA
Room Type:	CONFERENCE
Proposed ASF:	
Capacity:	20
Activities:	MEETING
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	WORK

FINISH

Ceiling Height:	10' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER
Other:	ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITOR
Network:	WIRELESS ACCESS POINT, DATA CABLING CONNECTIONS AT TABLE
Communication:	TBD

MECH, ELEC, & PLUMB

Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS, ZONED
Plumbing:	NONE

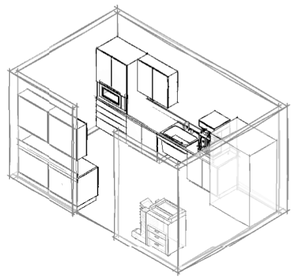
EQUIPMENT/ FURNISHINGS

CONFERENCE TABLE WITH CHAIRS, MARKERBOARDS

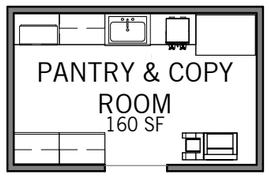
ADDITIONAL REMARKS

0 5' 10' 20'

6/7/2022 11:46:02 AM



2 AXON DIAGRAM - KITCHENETTE / COPY



1 FLOOR PLAN - KITCHENETTE / COPY
1" = 10'-0"

0 5' 10' 20'

PANTRY & COPY ROOM

ROOM NUMBER 5.4.5 160 SF

USE

Department: CBGA
Room Type: WORK
Proposed ASF: 120 SF
Capacity: 6

Activities: SMALL PANTRY AREA AND COPY PRINTING

Access: WITHIN SECURED SUITE
Frequency/ Hours: BUILDING HOURS

Adjacencies: WORK

FINISH

Ceiling Height: 9' - 0"
Ceiling Treatment: PAINTED GYP BD
Floor Finish: CERAMIC TILE
Wall Finish: PAINTED GYP BD

Natural Lighting: NONE

Casework: BASE CABINETS AND UPPER CABINETS
Accessories: TBD
Hardware: TBD

Other: TBD

TECHNOLOGY

Audio/ Visual: NONE

Network: NONE

Communication: TBD

MECH, ELEC, & PLUMB

Ventilation: ENHANCED VENTILATION

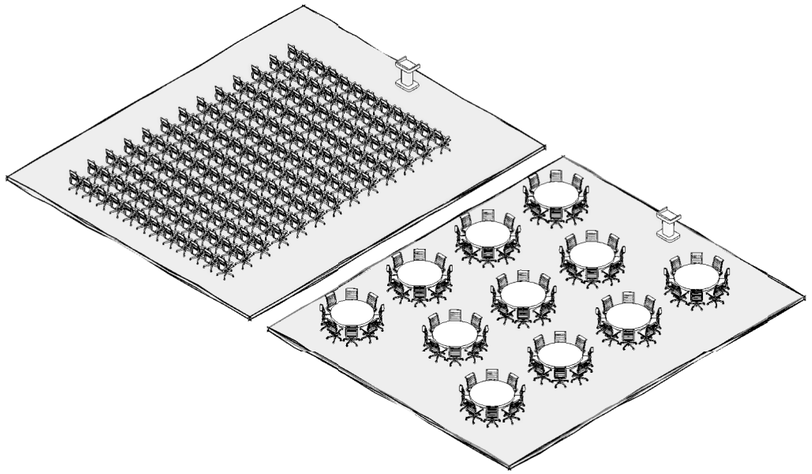
Artificial Lighting: OCCUPANCY SENSORS
Plumbing: SINK, COFFEE MACHINE

EQUIPMENT/ FURNISHINGS

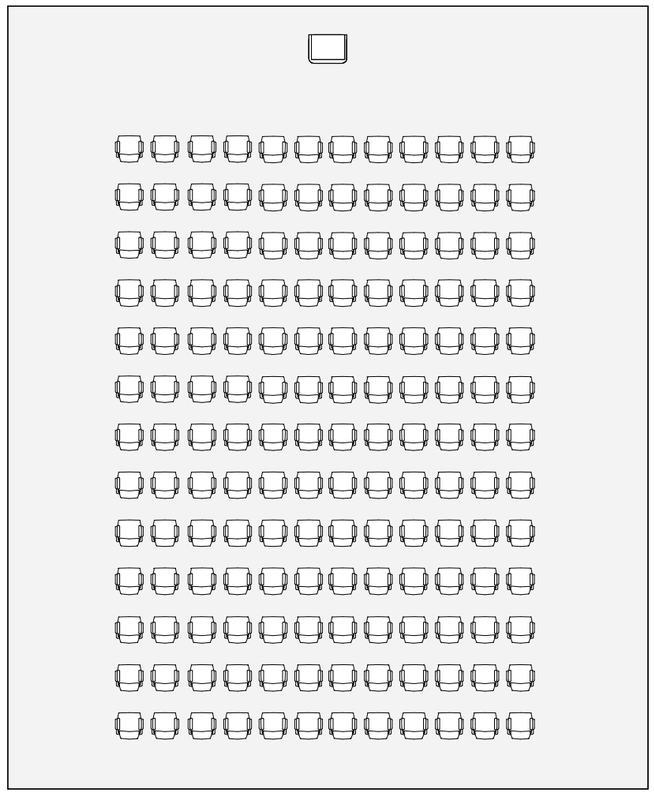
COFFEE MACHINE, MICROWAVE, SINK, REFRIDGERATOR, COPY MACHINE, STORAGE UPPER AND LOWER CABINETS

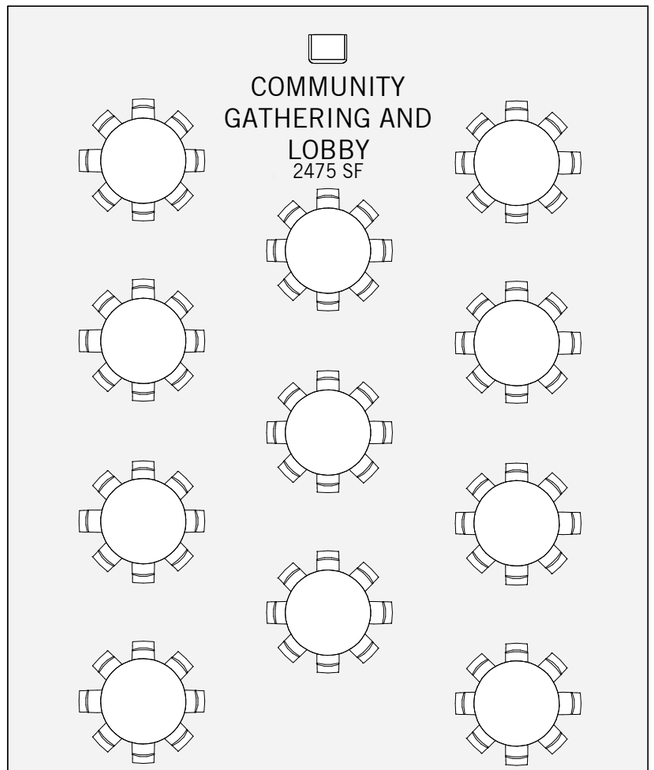
ADDITIONAL REMARKS

6/7/2022 11:46:04 AM



2 AXON DIAGRAM - COMMUNITY GATHERING





0 5' 10' 20'

1 FLOOR PLAN - COMMUNITY GATHERING / LOBBY
3/32" = 1'-0"

COMMUNITY GATHERING AND LOBBY

ROOM NUMBER 6.1.1 2475 SF

USE

Department:	CBGA
Room Type:	COMMUNITY
Proposed ASF:	2475 SF
Capacity:	350
Activities:	SOCIAL, EVENT
Access:	PUBLIC
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	MAIN LOBBY, STORAGE FOR FURNITURE

FINISH

Ceiling Height:	16' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	POLISHED CONCRETE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	NO
Accessories:	TBD
Hardware:	TBD
Other:	MOTORIZED ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	SPEAKERS, PROJECTORS AND DROP DOWN SCREENS
Network:	WIRELESS ACCESS POINT, FLOOR BOX CONNECTIONS, POWERED FURNITURE
Communication:	TBD

MECH, ELEC, & PLUMB

Ventilation:	DEMAND CONTROL VENTILATION, OCC & CO2 SENSORS, CONTROL SEQUENCES AT AHU
Artificial Lighting:	SPECIALTY LIGHTING, ZONED, DIMMABLE
Plumbing:	NONE

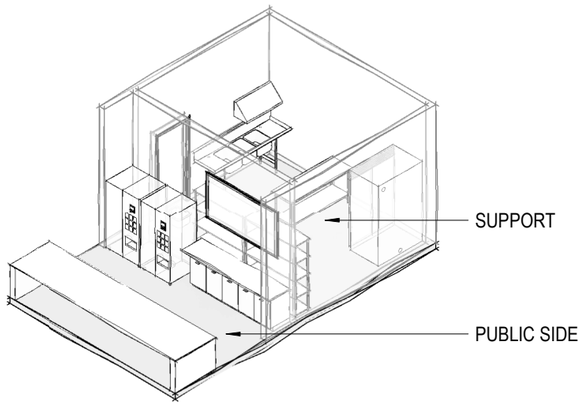
EQUIPMENT/ FURNISHINGS

FLEXIBLE TABLES AND CHAIR FOR VARIOUS EVENT TYPES, POWERED MOBILE PODIUM / LECTURN

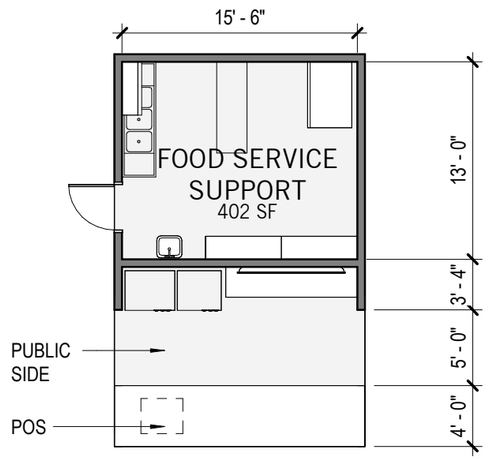
ADDITIONAL REMARKS

INFORMAL SOCIAL, FORMAL EVENT CAPABILITY

6/7/2022 11:46:20 AM



2 AXON DIAGRAM - FOOD SERVICE



1 FLOOR PLAN - FOOD SERVICE
1" = 10'-0"

0 5' 10' 20'

FOOD SERVICE SUPPORT

ROOM NUMBER 6.2.1 402 SF

USE

Department: CBGA
Room Type: FOOD SERVICE
Proposed ASF: 400 SF
Capacity: 3

Activities: PREP, STORAGE, SALE FOR FOOD SERVICE

Access: RESTRICTED
Frequency/ Hours: BUILDING HOURS

Adjacencies: PUBLIC ACCESS AND SUPPORT, COMMUNITY GATHERING

FINISH

Ceiling Height: 9' - 0"
Ceiling Treatment: PAINTED GYP BD
Floor Finish: CERAMIC TILE
Wall Finish: PAINTED GYP BD, CERAMIC TILE

Natural Lighting: NONE

Casework: FOOD SERVICE COUNTERS
Accessories: TBD
Hardware: LOCKABLE, OPERABLE SECURITY GRILLE

Other: TBD

TECHNOLOGY

Audio/ Visual: MENU MONITOR

Network: WIRELESS ACCESS POINT, DATA CABLING CONNECTIONS AT POINT OF SALE
Communication: TBD

MECH, ELEC, & PLUMB

Ventilation: ENHANCED VENTILATION

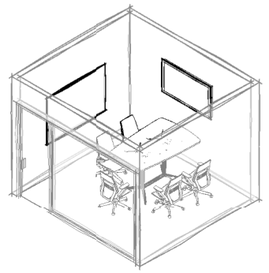
Artificial Lighting: OCCUPANCY SENSORS, SPECIALTY LIGHTING
Plumbing: 3-COMP,HANDSINKS W/GREASE TRAP, FLOOR DRAINS

EQUIPMENT/ FURNISHINGS

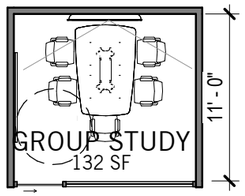
SUPPORT: 3-COMP SINK, PREP TABLE, STORAGE RACKS, REFRIDGERATOR. PUBLIC: BEVERAGE MACHINES, WALL MOUNT MONITOR, TRANSACTION POINT OF SALE

ADDITIONAL REMARKS

6/7/2022 11:46:23 AM



2 AXON DIAGRAM - GROUP STUDY



1 FLOOR PLAN - GROUP STUDY
1" = 10'-0"

0 5' 10' 20'

GROUP STUDY

ROOM NUMBER 6.4.1 132 SF

USE

Department:	CBGA
Room Type:	TEAMING
Proposed ASF:	125 SF
Capacity:	5
Activities:	GROUP TEAMING
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	PUBLIC CORRIDOR

FINISH

Ceiling Height:	9' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	NONE
Casework:	NONE
Accessories:	TBD
Hardware:	PASSAGE
Other:	TBD

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITOR
Network:	WIRELESS ACCESS POINT, DATA CABLING CONNECTIONS AT TABLE
Communication:	TBD

MECH, ELEC, & PLUMB

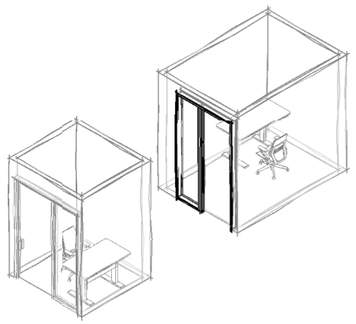
Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

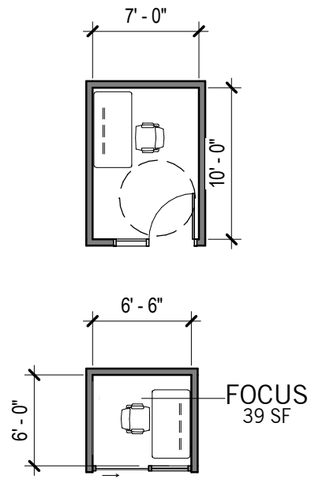
SMALL CONFERENCE TABLE WITH CHAIRS, WHITEBOARDS

ADDITIONAL REMARKS

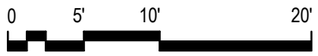
6/7/2022 11:46:26 AM



2 AXON DIAGRAM - FOCUS



1 FLOOR PLAN - FOCUS ROOM
1" = 10'-0"



FOCUS

ROOM NUMBER 6.4.2 39 SF

USE

Department:	CBGA
Room Type:	STUDY
Proposed ASF:	40 SF
Capacity:	1
Activities:	STUDY, QUIET
Access:	TBD
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	PUBLIC CORRIDOR

FINISH

Ceiling Height:	9' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	NONE
Casework:	NONE
Accessories:	TBD
Hardware:	PASSAGE
Other:	TBD

TECHNOLOGY

Audio/ Visual:	NONE
Network:	WIRELESS ACCESS POINT
Communication:	TBD

MECH, ELEC, & PLUMB

Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCCUPANCY SENSORS, TASK LIGHT
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

ADJUSTABLE SIT STAND DESK

ADDITIONAL REMARKS

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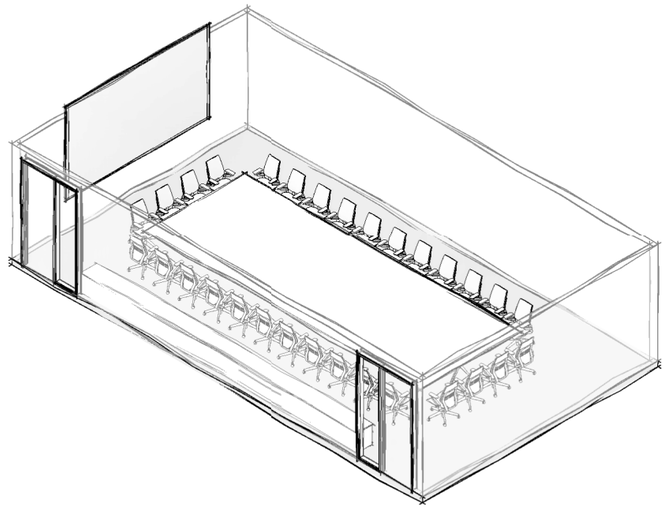
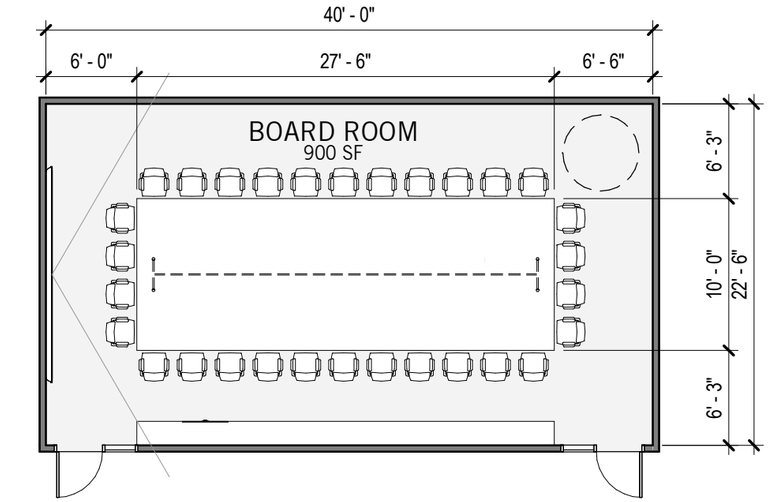


2 AXON DIAGRAM - BOARD ROOM



1 FLOOR PLAN - BOARD ROOM
1" = 10'-0"

BOARD ROOM

ROOM NUMBER 7.2.1 900 SF

USE

Department:	CBGA ADMINISTRATION
Room Type:	CONFERENCE
Proposed ASF:	900 SF
Capacity:	30
Activities:	MEETING
Access:	SECURED
Frequency/ Hours:	BUILDING HOURS
Adjacencies:	COLLEGE ADMINISTRATION

FINISH

Ceiling Height:	10' - 0"
Ceiling Treatment:	ACOUSTIC CEILING TILE
Floor Finish:	CARPET TILE
Wall Finish:	PAINTED GYP, ACOUSTICAL WALL PANEL, GLASS
Natural Lighting:	YES
Casework:	MILLWORK AND FOOD CATERING MILLWORK
Accessories:	TBD
Hardware:	LOCKABLE, CARD READER
Other:	SPECIALTY WALL COVERING, ROLLERSHADES AT EXTERIOR GLAZING

TECHNOLOGY

Audio/ Visual:	WALL MOUNT MONITOR, VIDEO CONFERENCING, MICROPHONES
Network:	WIRELESS ACCESS POINT, DATA CABLING CONNECTIONS AT TABLE
Communication:	TBD

MECH, ELEC, & PLUMB

Ventilation:	TYPICAL BUILDING SYSTEMS
Artificial Lighting:	OCC SENSORS, SPECIALTY, ZONED, DIMMABLE
Plumbing:	NONE

EQUIPMENT/ FURNISHINGS

CONFERENCE TABLE, BOARD ROOM CHAIRS, PREFUNCTION COUNTER MILLWORK (CREDENZA) WITH AV RACK

ADDITIONAL REMARKS

UPGRADED FINISHES

6/7/2022 11:46:34 AM

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Perkins&Will