



ADDENDUM NO. 2

REQUEST FOR QUALIFICATIONS

**PART A: PRE-CONSTRUCTION SERVICES and
PART B: CONSTRUCTION SERVICES (Construction Management at Risk)**

**Center for Medical Education and Wellness
LSU Health Sciences Center - Shreveport
Louisiana State University
Project No. 19-604S-15-01, F.19002219**

April 28, 2020

ITEM NO. 1: EXHIBIT 7 – PRELIMINARY PROGRAM

This Addendum No. 2 includes Exhibit 7 – Preliminary Program (Program Completion Phase submittal prepared by Coleman Partners, LLC w/ Perkins+Will, LLC, A Joint Venture dated 03/27/20 - attached).

END OF ADDENDUM

Perkins&Will



Programming Completion

**Louisiana State University Health Sciences Center,
Center for Medical Education and Wellness**

March 27th, 2020



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Gateway, Icon, Hub, Attractor and Standard-Bearer

It will be a hub by virtue of its siting and will capture traffic as users move from clinical, education and open spaces, and will hold the following core values, (1) **Community Connectivity**, (2) **Health and Wellness**, (3) **Transparency of Knowledge**, and (4) **Flexibility and Adaptability of learning environments**.

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Clinical Skills Center Administration

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05 Block and Stack

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Introduction

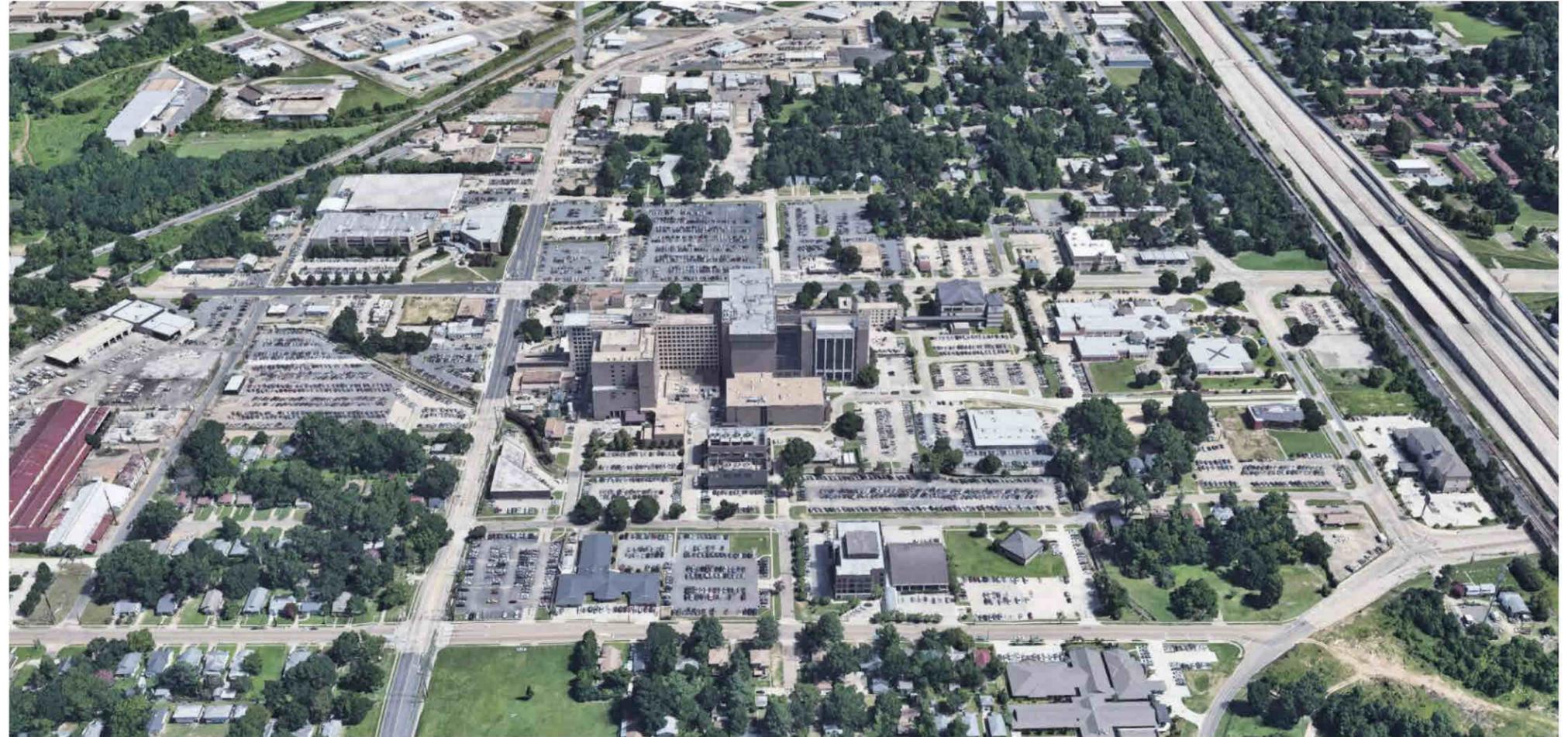
The newest building on campus, the LSU Shreveport Center for Medical Education and Wellness will facilitate the following: health, wellness, medical education, dining, classroom, meeting rooms, student spaces. It will be a hub by virtue of its siting and will capture traffic as users move from clinical, education and open spaces, and will hold the following core values, (1) Community Connectivity, (2) Health and Wellness, (3) Transparency of Knowledge, and (4) Flexibility and Adaptability of learning environments.

Community Connectivity: Responsibility to establish strong connections for both campus users and the community.

Health and Wellness: Healthy Education starts with a healthy sustainable building that is both responsible in its use and relationship with the external environment, including sun, light, and vegetation.

Transparency of Knowledge: Revealing experiential educational practices promotes awareness and understanding. The places and spaces created should be both porous and accessible to the larger campus to reinforce values of Vision 2020.

Flexible and Adaptable Learning in highly controlled professional environments defined and reinforced through internal programing and organization.



Louisiana State University Health Shreveport, FL

Executive Summary

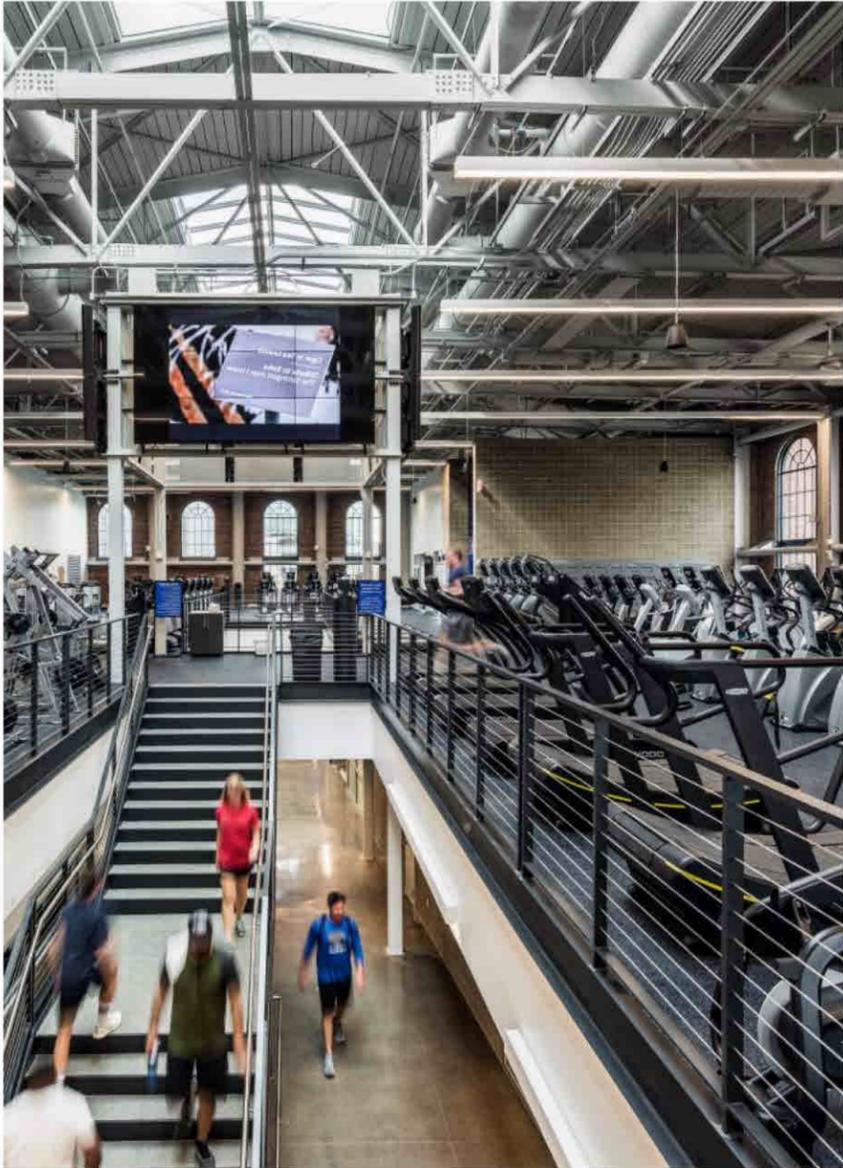
Perkins and Will and Coleman Partners led LSU Health in program validation exercises with stakeholder groups throughout several meetings in early 2020. The goal was to provide comprehensive building outline program based on current and future needs. The program provides a framework for the technical requirements and adjacencies to inform the subsequent design process. The initial ideas for the new building and the impact it can have on the future campus plan include:

- (1) Campus Connectivity,
- (2) Health and Wellness,
- (3) Transparency and Knowledge, and
- (4) Flexible / Adaptable Learning Environments

Introduction

The Center for Medical Education and Wellness for the Louisiana State University Health Science Center - Shreveport will provide a variety of flexible spaces to enable students and faculty to engage in collaborative teaching and wellness activities. Spaces within the new facility should be responsive to current and future needs, and promote adaptability and collegial interaction. This plan, when successfully implemented, will provide approximately 118,000 gross square feet to accommodate a variety of needs for the campus. As proposed, all spaces to be included in the building program will fall into one of the 4 following categories:

- (1) Instructional and Collaborative,
- (2) Administration,
- (3) Clinical Skill / Simulation Learning and
- (4) Wellness Center

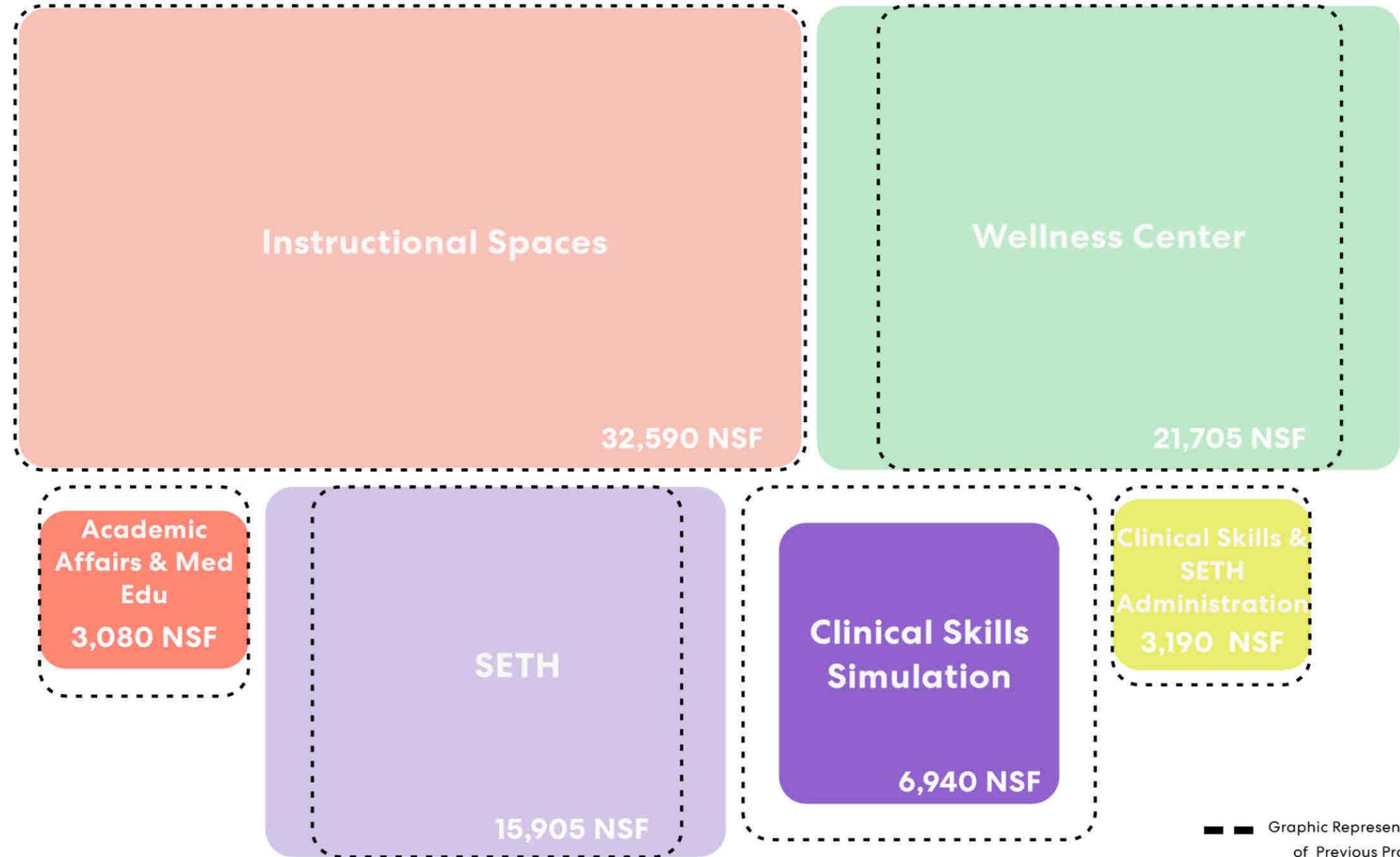


Building Program

Space List

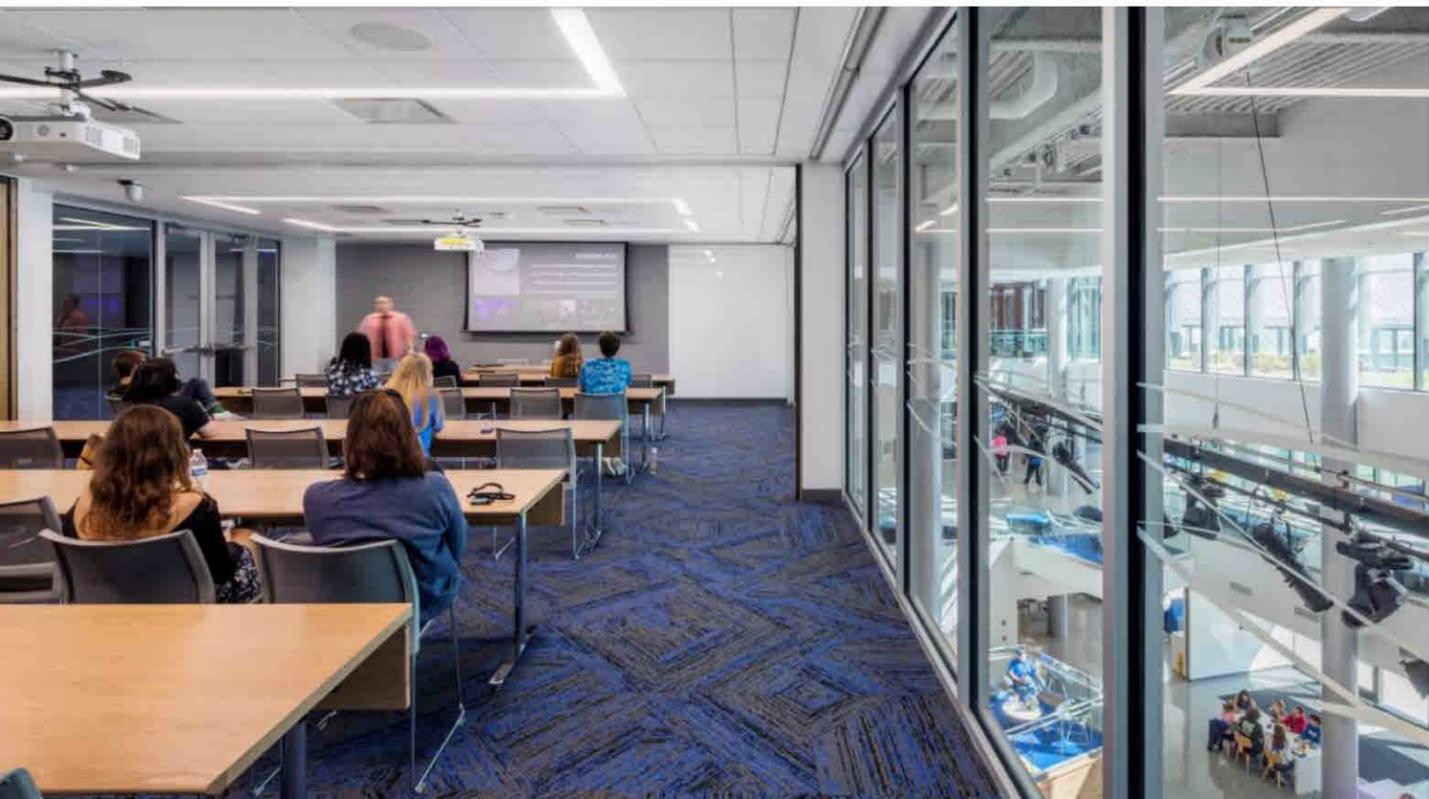
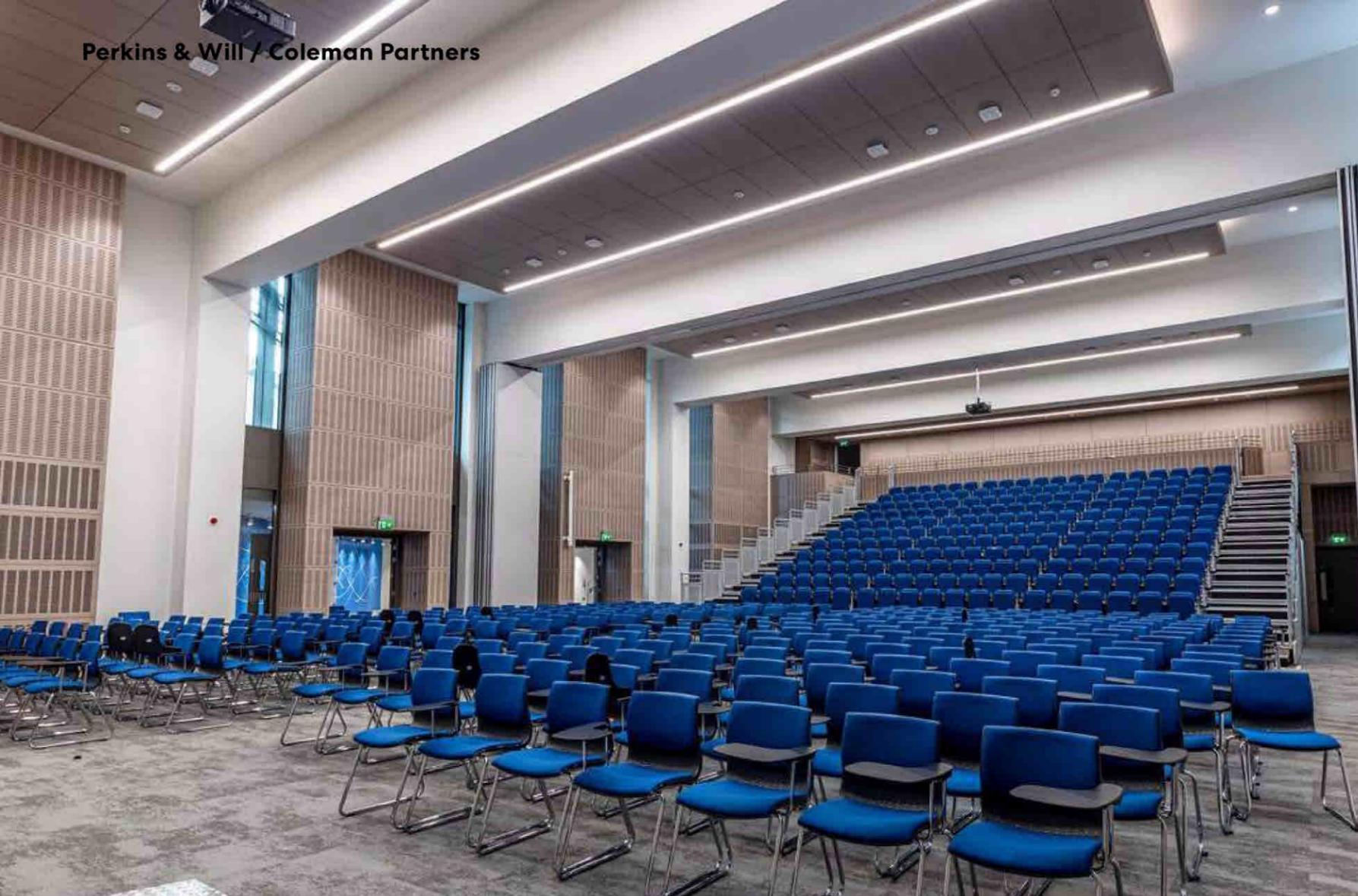
AREA/FUNCTION	TOTAL DGSF
Academic Affairs/ Medical Education	
Medical Education	1,545
Student Affairs	960
Shared Support	575
NSF	3,080
Instructional Spaces	
Learning Environments	25,740
Instructional Support	5,950
Staff Support	900
NSF	32,590
Wellness Center	
Reception & Administration	1,695
Fitness Activity Spaces	15,505
Wellness Spaces	1,740
Support	2,765
NSF	21,705
Clinical Skills Simulation	
Clinical Skills Suite	4,820
Clinical Instruction	1,560
Support	560
NSF	6,940
Simulation	
Simulation	7,310
Lab	6,860
Support	1,995
NSF	16,165
Clinical Skills/Simulation Admin Area	
Student Spaces	900
Staff Spaces	2,040
Support	250
NSF	3,190
Building Support Areas	
Building Support	1,775
Receiving Area/ Loading Dock	420
NSF	2,195
Center for Medical Education and Wellness Total DGSF	85,865
<i>Net to Gross Factor</i>	<i>1.38</i>
Center for Medical Education and Wellness Total BGSF	118,494

Shell Space



Program Diagrams

All diagrams and drawings contained herein are intended to illustrate the relationships involved, and are provided as an example to augment the text. The design team does not consider any of the diagrams as a design directive.



Section 01.

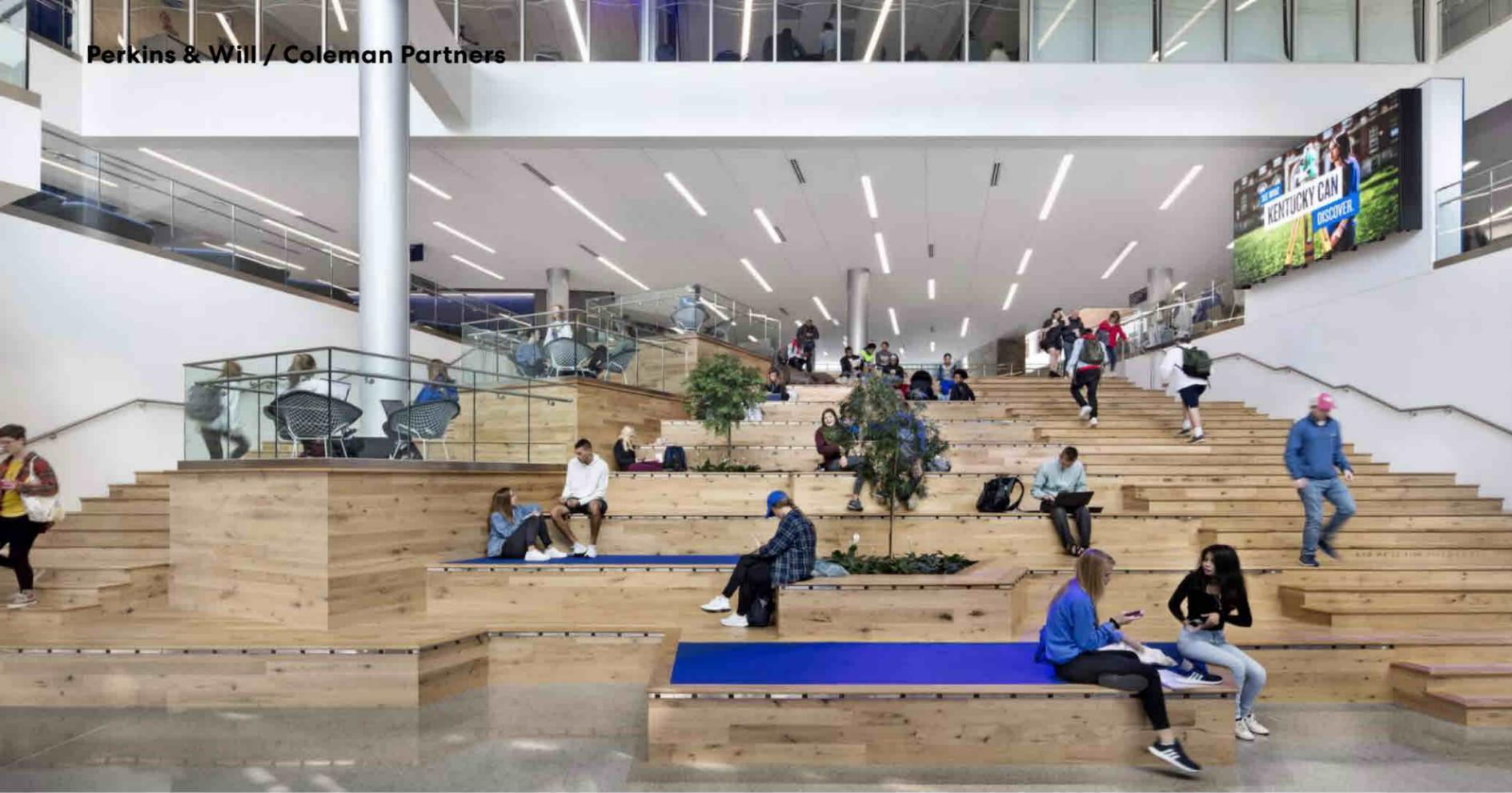
Instruction & Collaboration

Contents

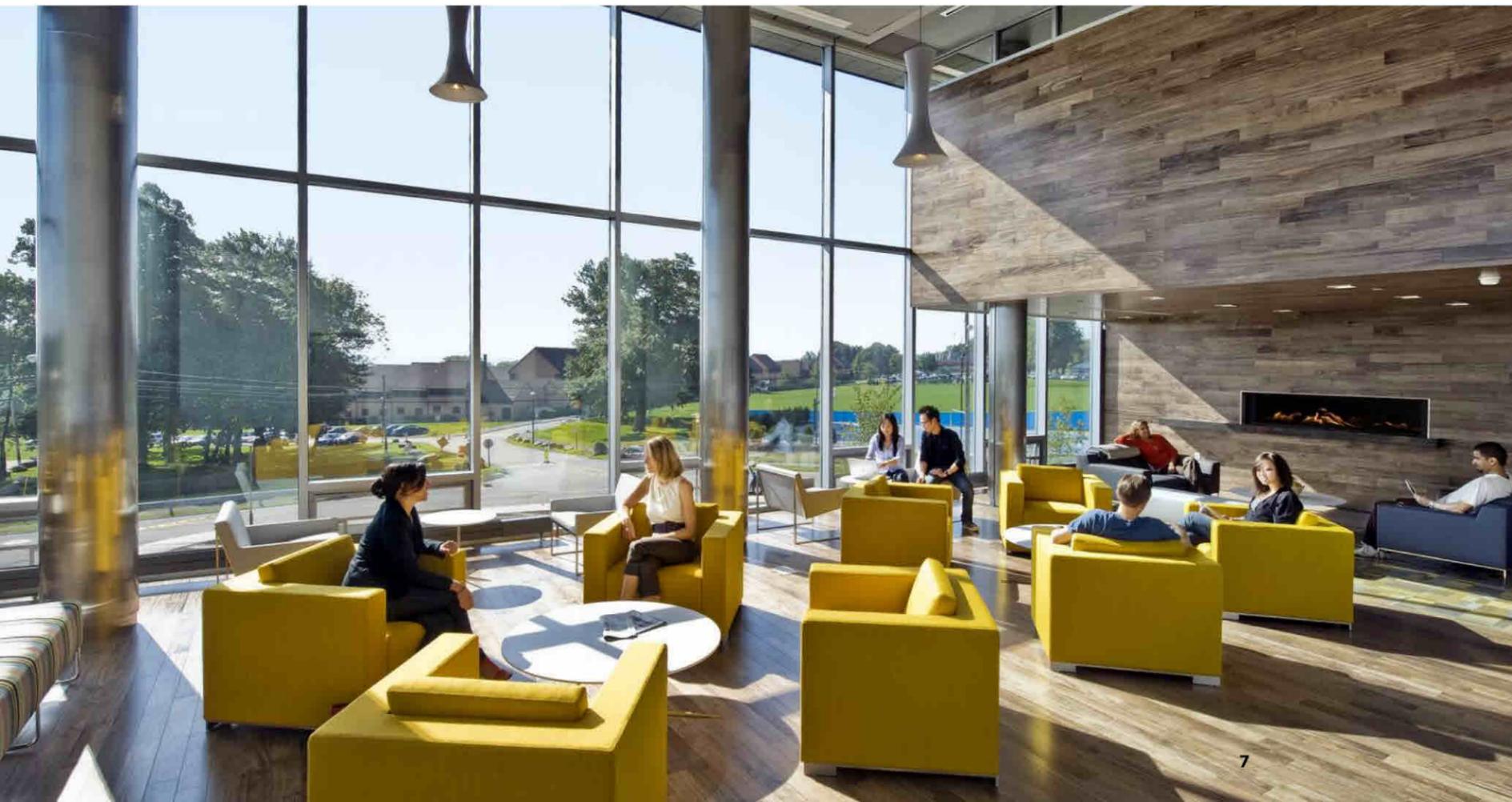
Overview

Room Data Sheets

Program

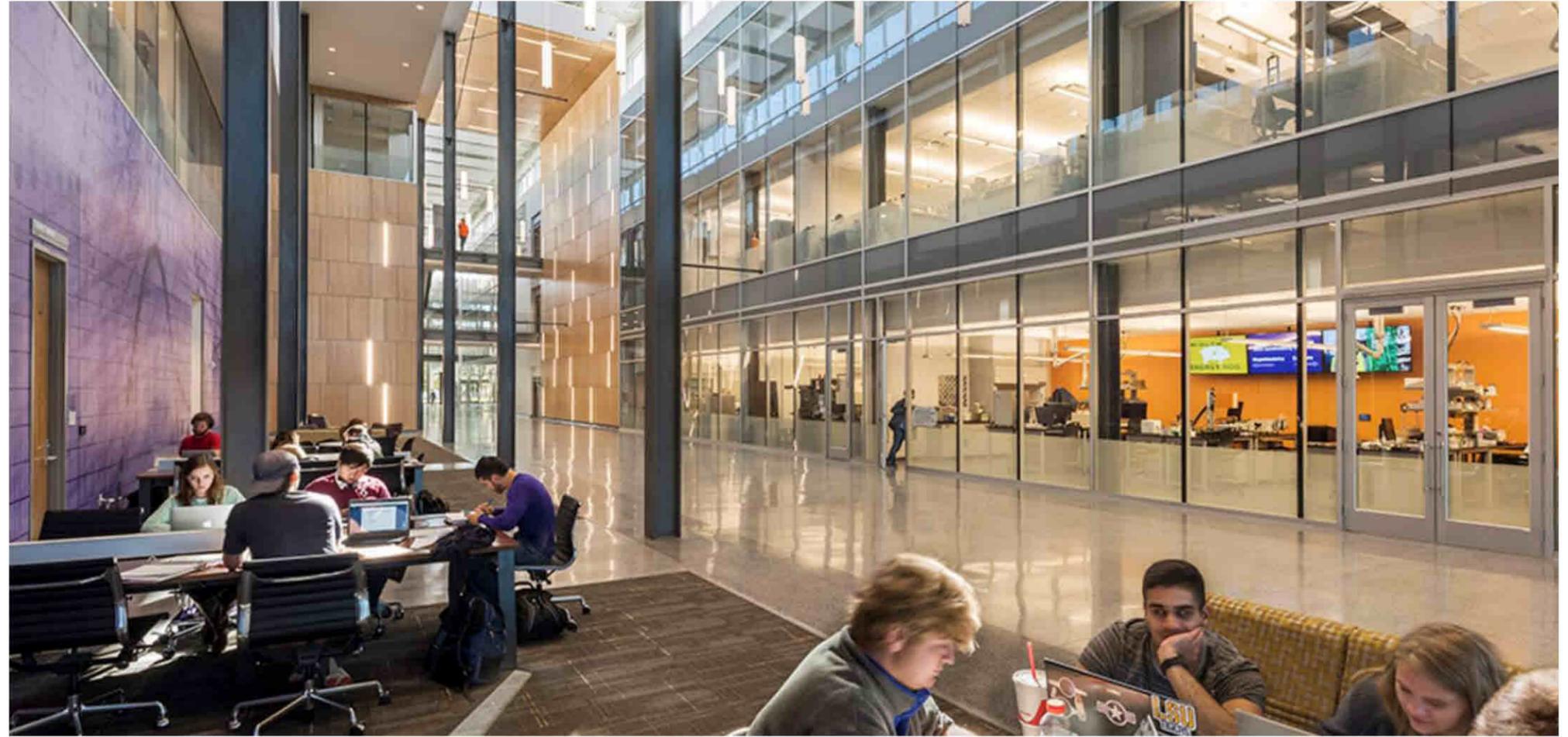


UNIVERSITY OF KENTUCKY,
GATTON STUDENT CENTER



ROGER WILLIAMS UNIVERSITY,
NORTH CAMPUS RES HALL

Overview



Louisiana State University, Patrick F. Taylor Hall

Instructional / Learning Environments Narrative

Students in the Health Sciences arena are demanding facilities and curriculum which provide both hands-on and active learning opportunities. In response to this new teaching pedagogy, the design of large format teaching spaces requires a new focus on experiential learning. New technologies and reimagined classroom designs can provide an exciting and engaging environment for science education. Creating tiered lecture halls that also allow for students to gather in smaller teams and utilize whiteboards on the perimeter for interactive group work is an example of this approach. Flat floor experiential teaching spaces host are equipped to allow live science demonstrations within a team based setting. Both

of these spaces rely on a rich overlay of technology, including 4K video. Medical Education facilities are unique entities focused on educating next generation healthcare professionals, improving the health of families and communities by discovering new treatments, cures and prevention to diseases and ultimately delivering care to patients. Changes in the practice of healthcare – emphasis on patient-centered care, interdisciplinary teams, new visualization tools, and evidence-based practice – are having a significant impact on the education and training of physicians, dentists, nurses, and allied health professionals.



Academic Affairs

AREA/FUNCTION	AREA		
	No	NSF EACH	TOTAL NSF
Medical Education			
Reception	1	120	120
Reception Workstation/ Office	1	45	45
Curriculum Director	1	120	120
Office, Mod 1 Director	1	120	120
Shared Office, Coordinators	1	240	240
Office, Faculty	6	150	900
Subtotal NSF			1,545
Student Affairs			
Office/Reception Area	1	120	120
Office, Dean	1	120	120
Office, Director	1	120	120
Shared Office, Coordinators	1	240	240
Office, Faculty	1	120	120
Property Room	1	200	200
Storage, General	1	40	40
Subtotal NSF			960
Shared Support			
Staff Conference Room	1	350	350
Restrooms	2	0	0
IT Support Office & Service Counter	1	150	150
Storage	1	75	75
Subtotal NSF			575
Total NSF			3,080

Medical Education



Student Affairs



Shared Support



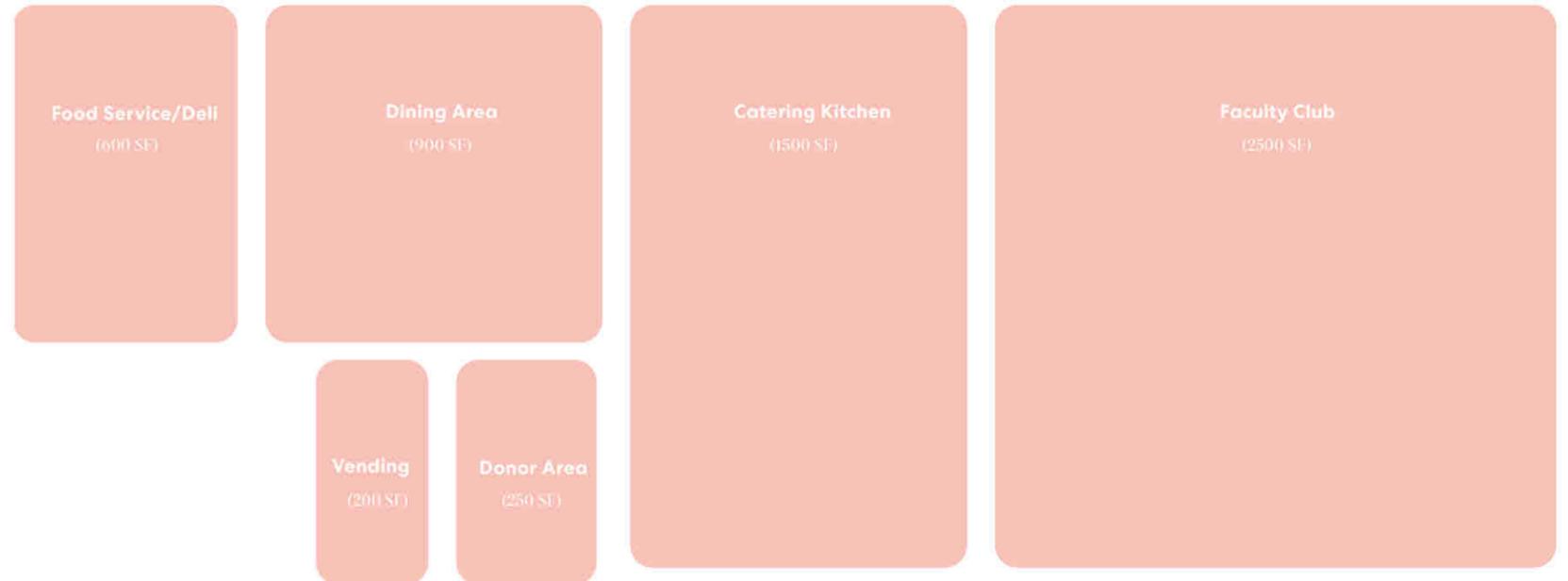
Program Diagrams

The footprints delineated here graphically represent the spaces included in the Instructional program. In order to thoughtfully organize these programs into a functional and cohesive solution, it is useful to visually represent the range of scale and uses proposed.

Instructional Spaces

AREA/FUNCTION	AREA		
	No	NSF EACH	TOTAL NSF
Learning Environments			
Auditorium	500	15	7,500
Assembly 1	200	24	4,800
Assembly 2	200	24	4,800
Large Classroom	1	1,200	1,200
<i>Instruction</i>	50	24	
Small Classroom	8	480	3,840
<i>Small Instruction</i>	20	24	
Small Classroom	8	200	1,600
<i>Student Huddle</i>	8	25	
Learning Commons - quiet study	1	750	750
Teaching Success Support	1	500	500
Student Lounge/Rec Area	150	5	750
Subtotal NSF			25,740
Food & Dining			
Food Service/Deli Area	1	600	600
Dining Area	1	900	900
<i>Café Style/ Bench Mix</i>	30	30	
Catering Kitchen	1	1500	1,500
Faculty Club	1	2500	2,500
Vending	1	200	200
Donor Area	1	250	250
Subtotal NSF			5,950
Support			
Storage	1	200	200
Chair/Table Storage	1	500	500
A/V Closet	2	100	200
Subtotal NSF			900
Total NSF			32,590

Food & Dining



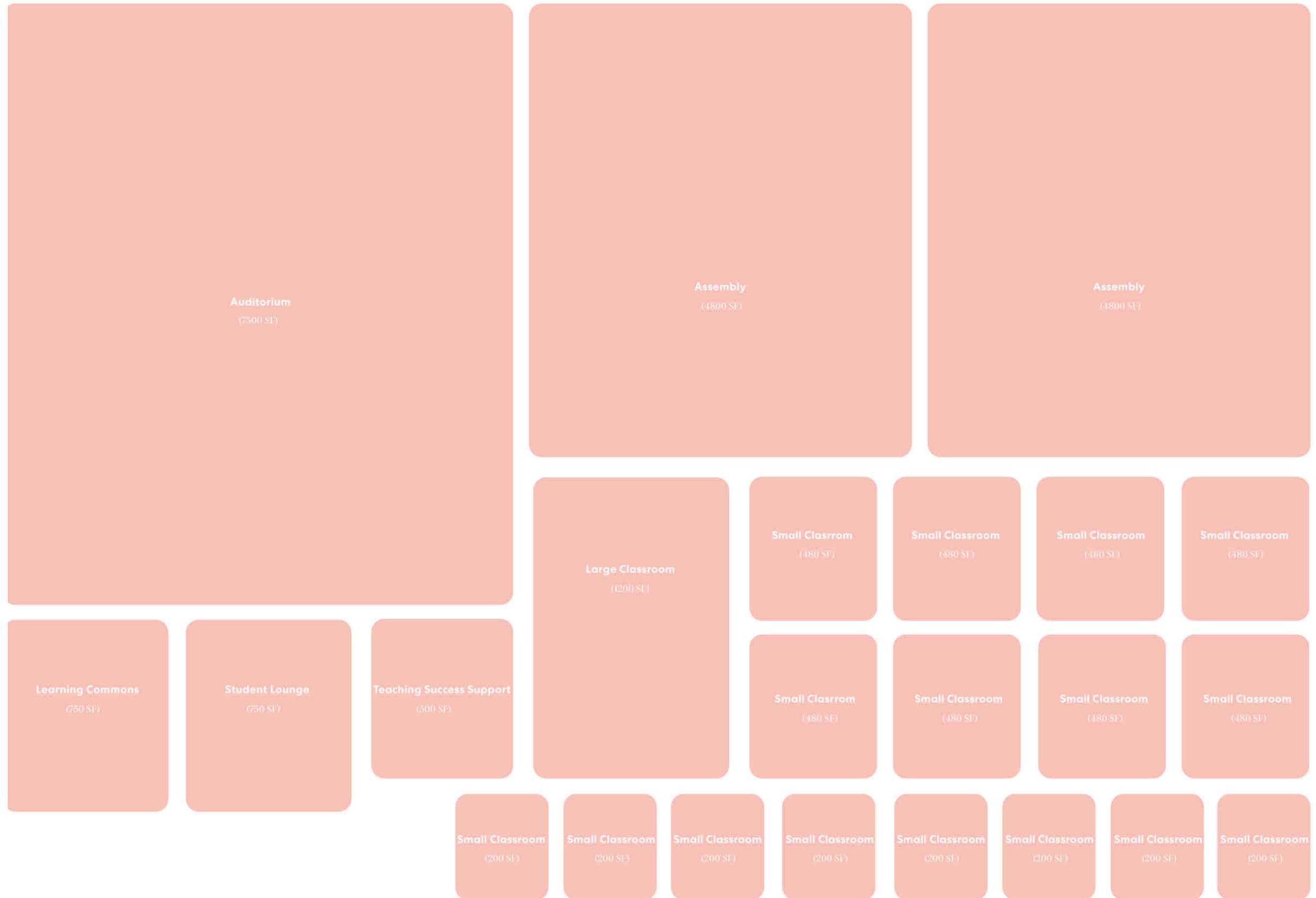
Support



Program Diagrams

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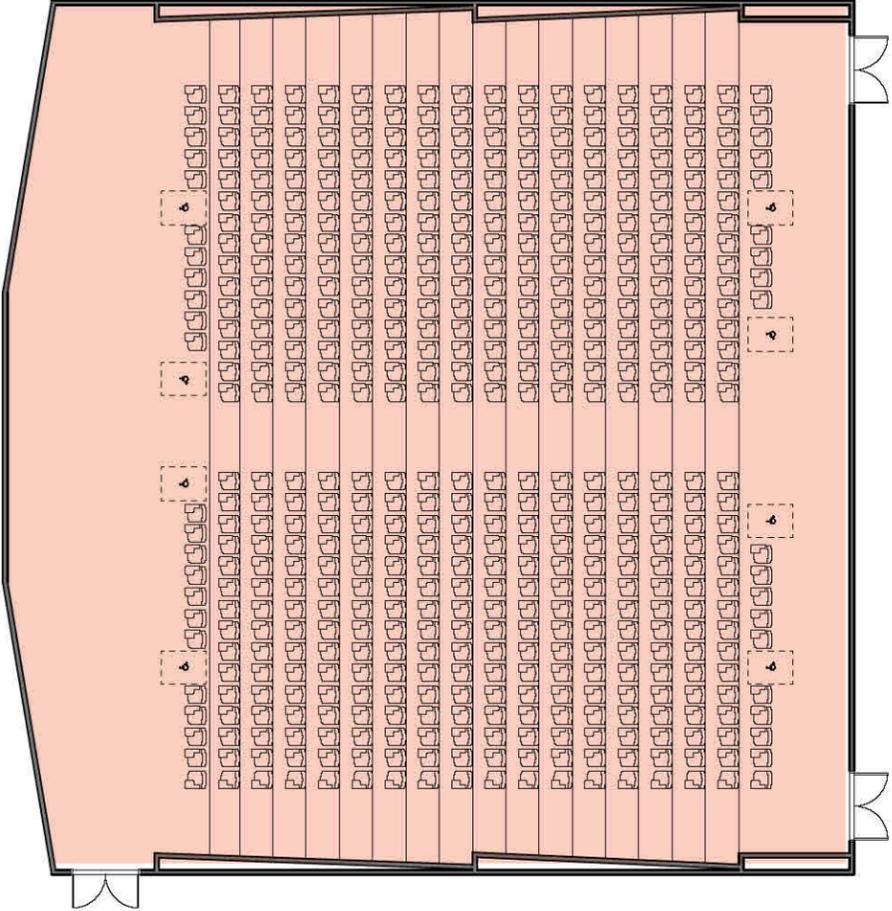
**Learning
Environments**





Room Data Sheets

Auditorium



Program Diagrams

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Refer to program list for list of typical room types.

Auditorium Option 01, Fixed Seats

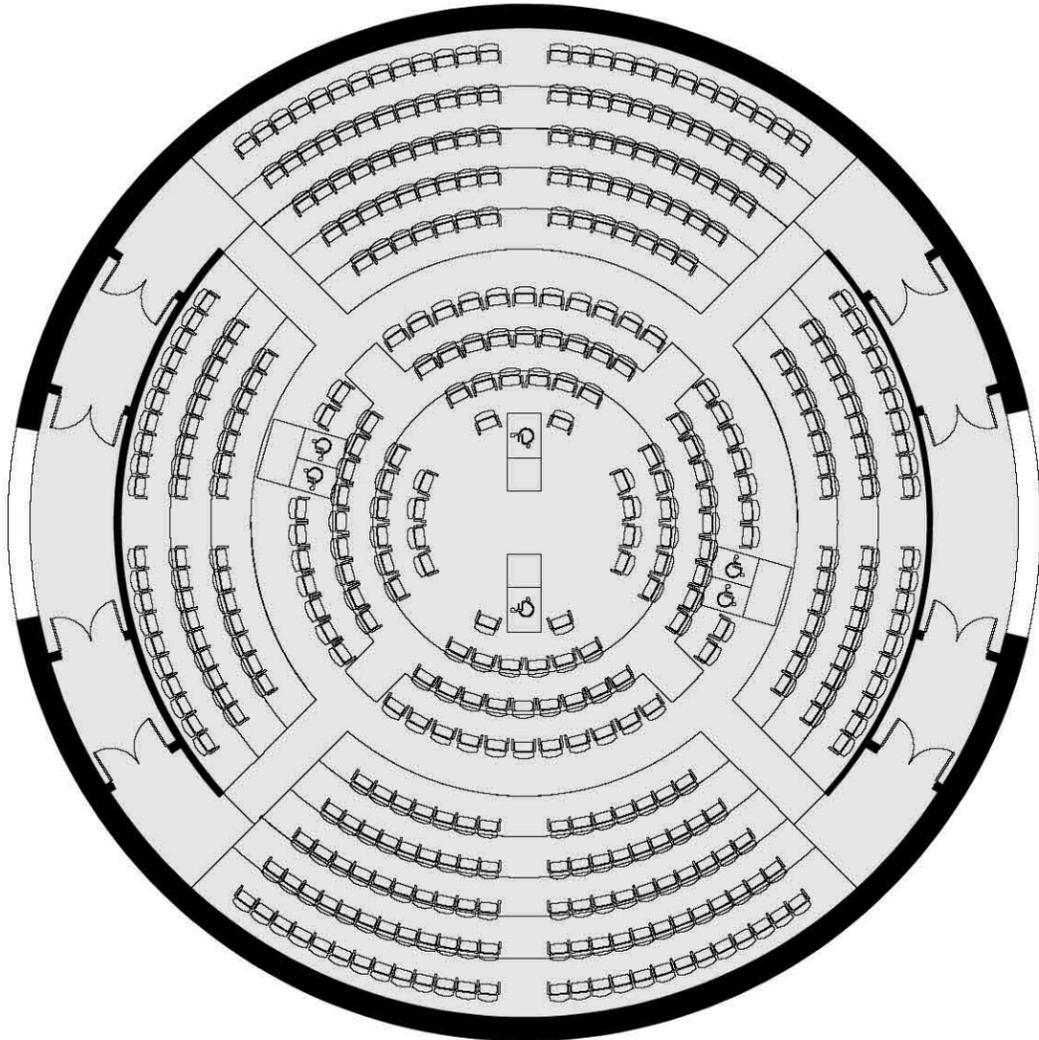
520 Seats

6000 SF

12 SF / Seat

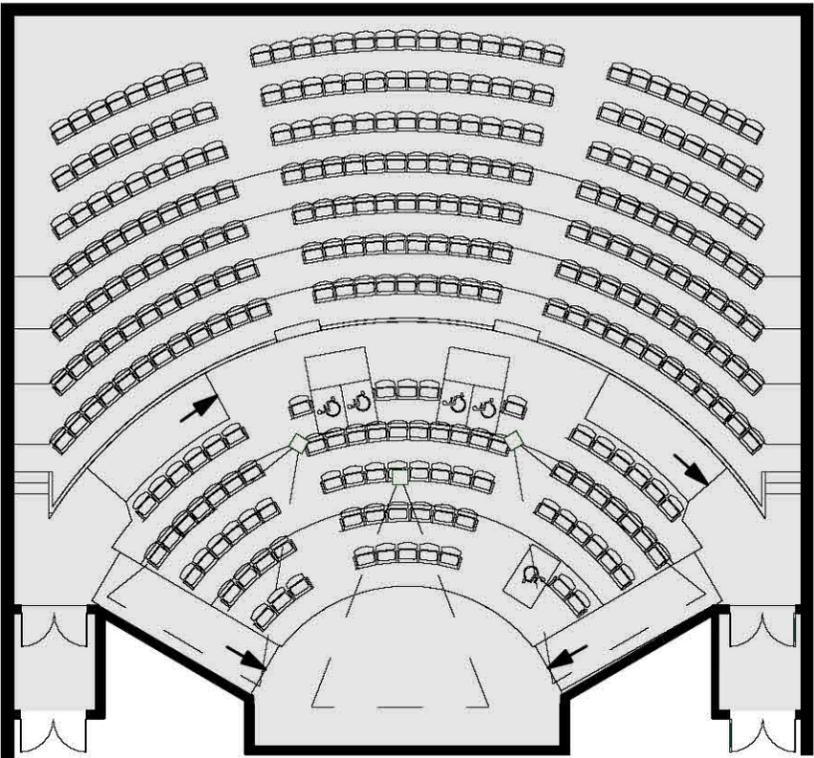
Room Data Sheets, Case Studies

Auditorium



Medium Arena - TAMU 21st Century

378 Seats
6800 SF
16 SF/ Seat

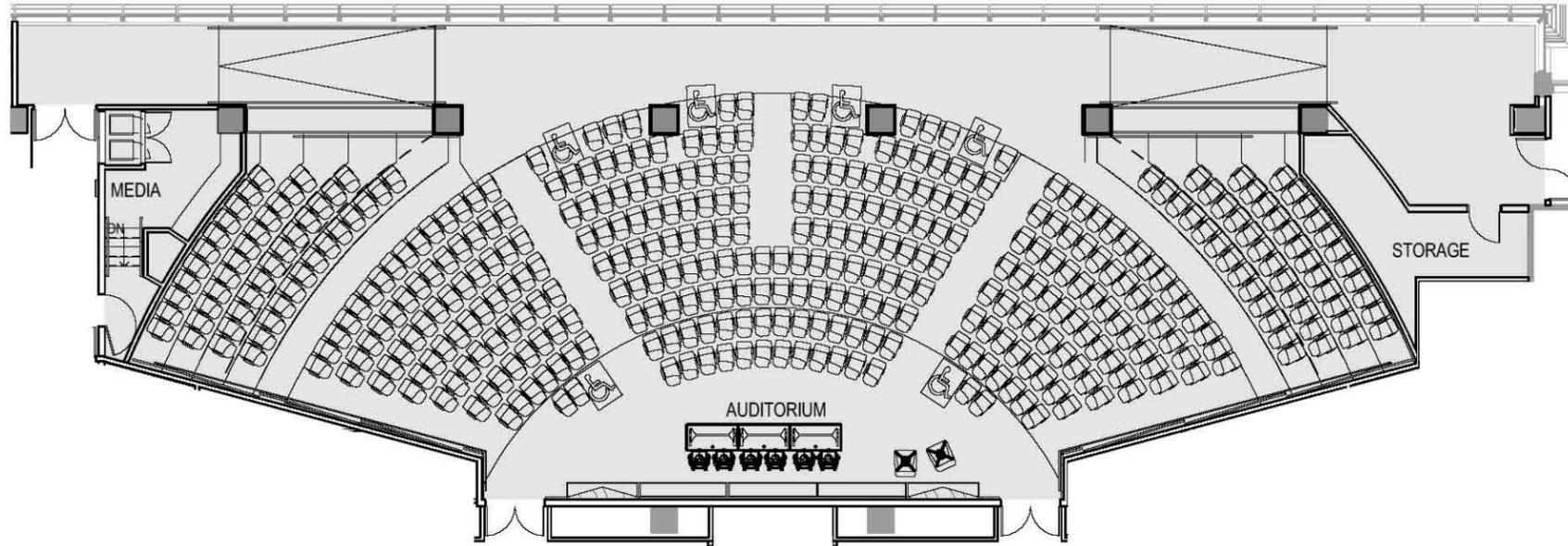


Fan Lecture Hall - TAMU 21st Century

275 Seats
4500 SF
17 SF / Seat

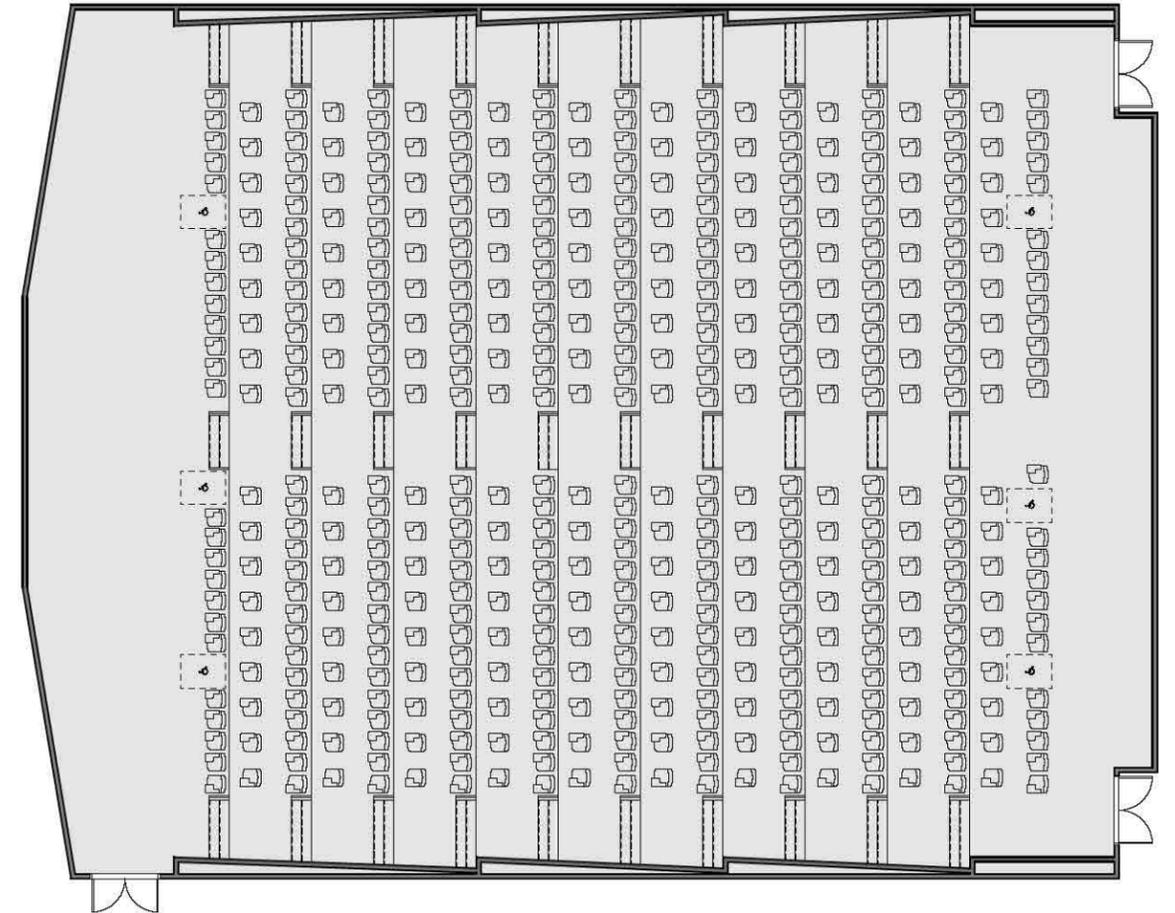
Room Data Sheets, Case Studies

Auditorium



Fan Lecture Hall - TCHNRI

420 Seats
5500 SF
13 SF / Seat



Tiered, Alternating Fixed & Swivel Seat, Univeristy of Kansas

500 Seats
7500 SF
15 SF / Seat

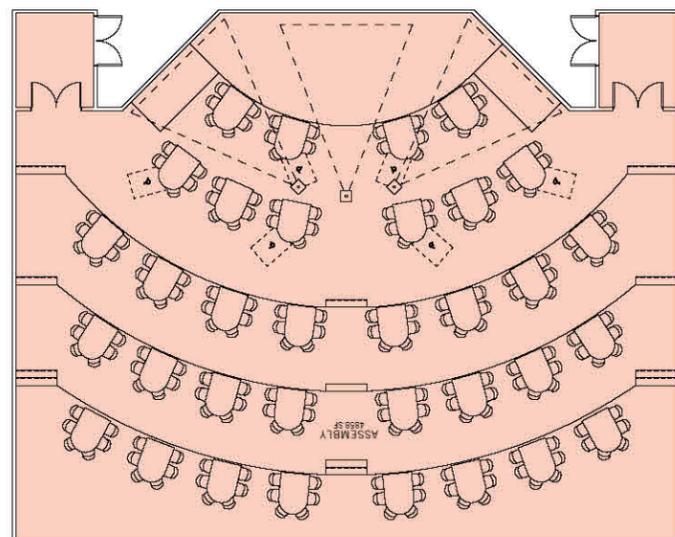


160913: How Identities Change
→ Chemical Reactions!
A chemical reaction is more than
just a word equation.
We'll spend 4 class periods
measuring the speeds of reactions and
figuring out how reactions actually occur.

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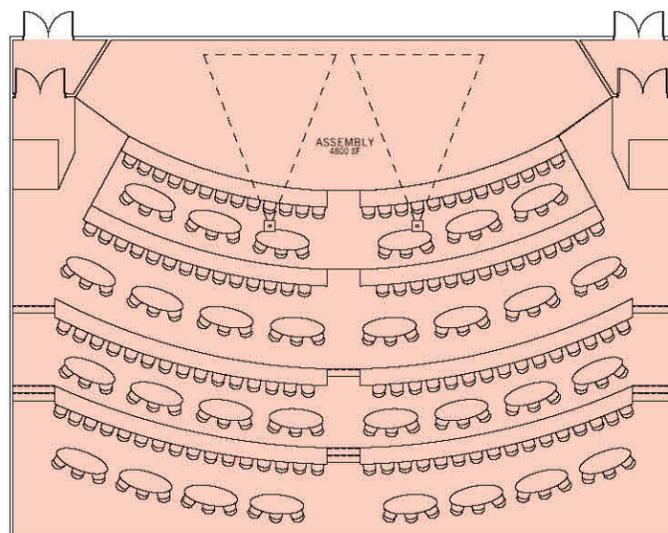
Room Data Sheets

Assembly



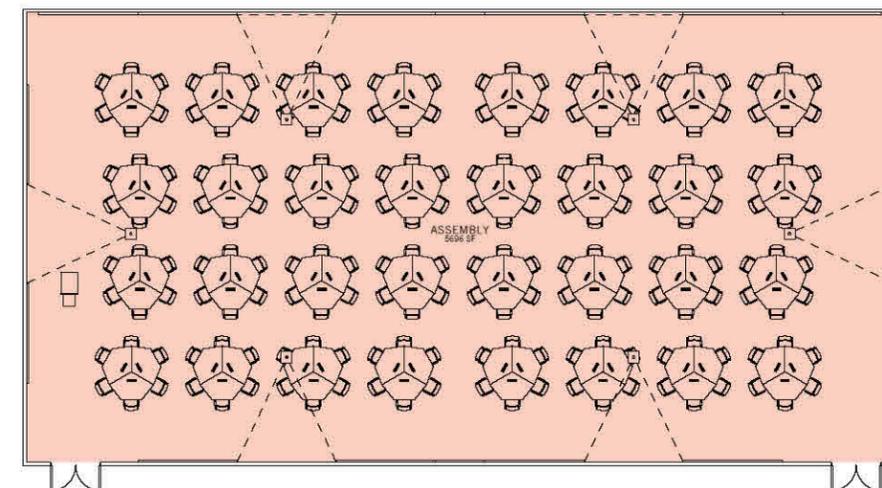
Assembly Option 01, Tiered Floor

204 Seats
4860 SF
24 SF / Seat



Assembly Option 02, Tiered Floor

206 Seats
4800 SF
23 SF / Seat



Assembly Option 03, Flat Floor

192 Seats
5700 SF
30 SF / Seat

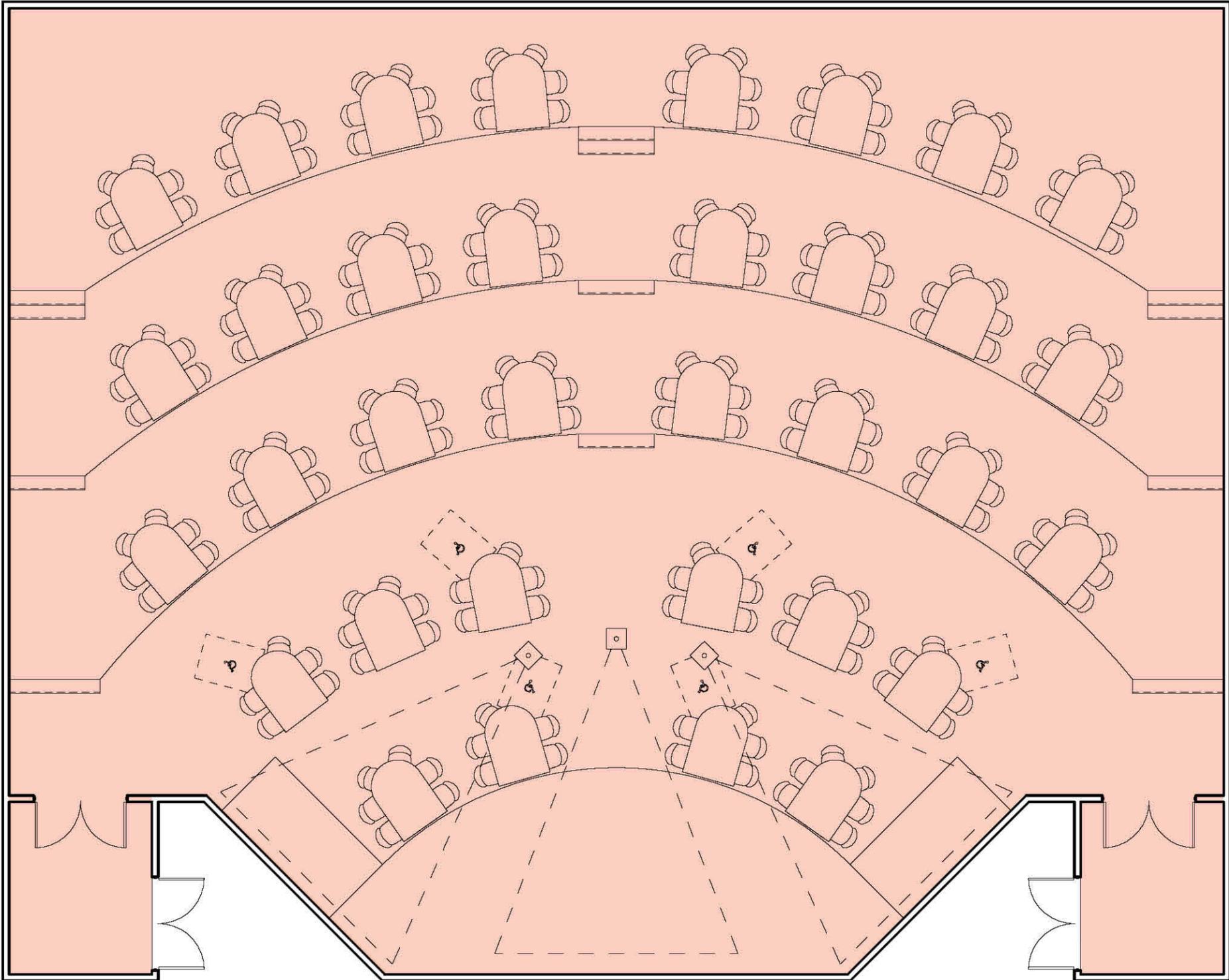
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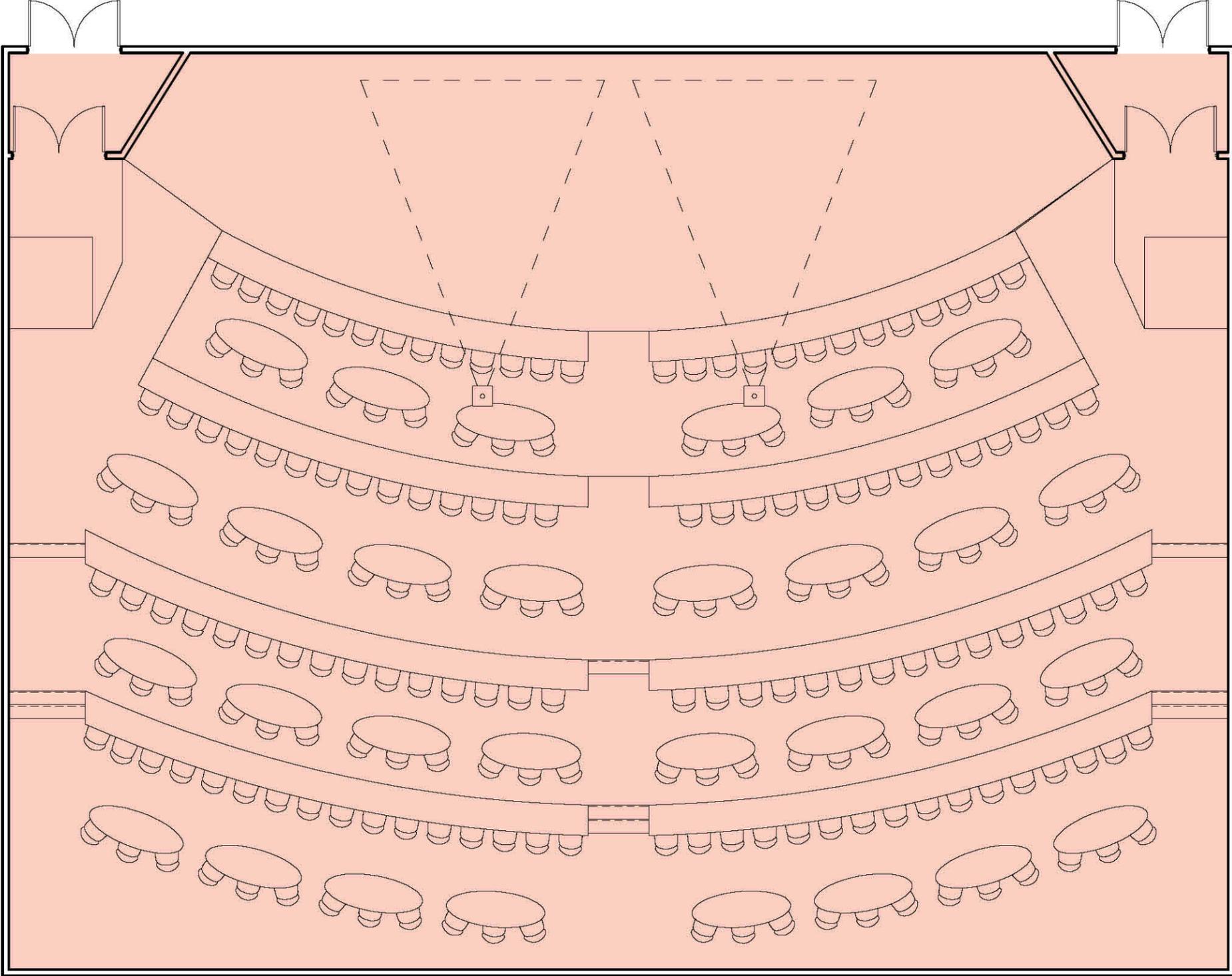
Assembly



Assembly Option 01, Tiered Floor
204 Seats
4860 SF
24 SF / Seat

Room Data Sheets

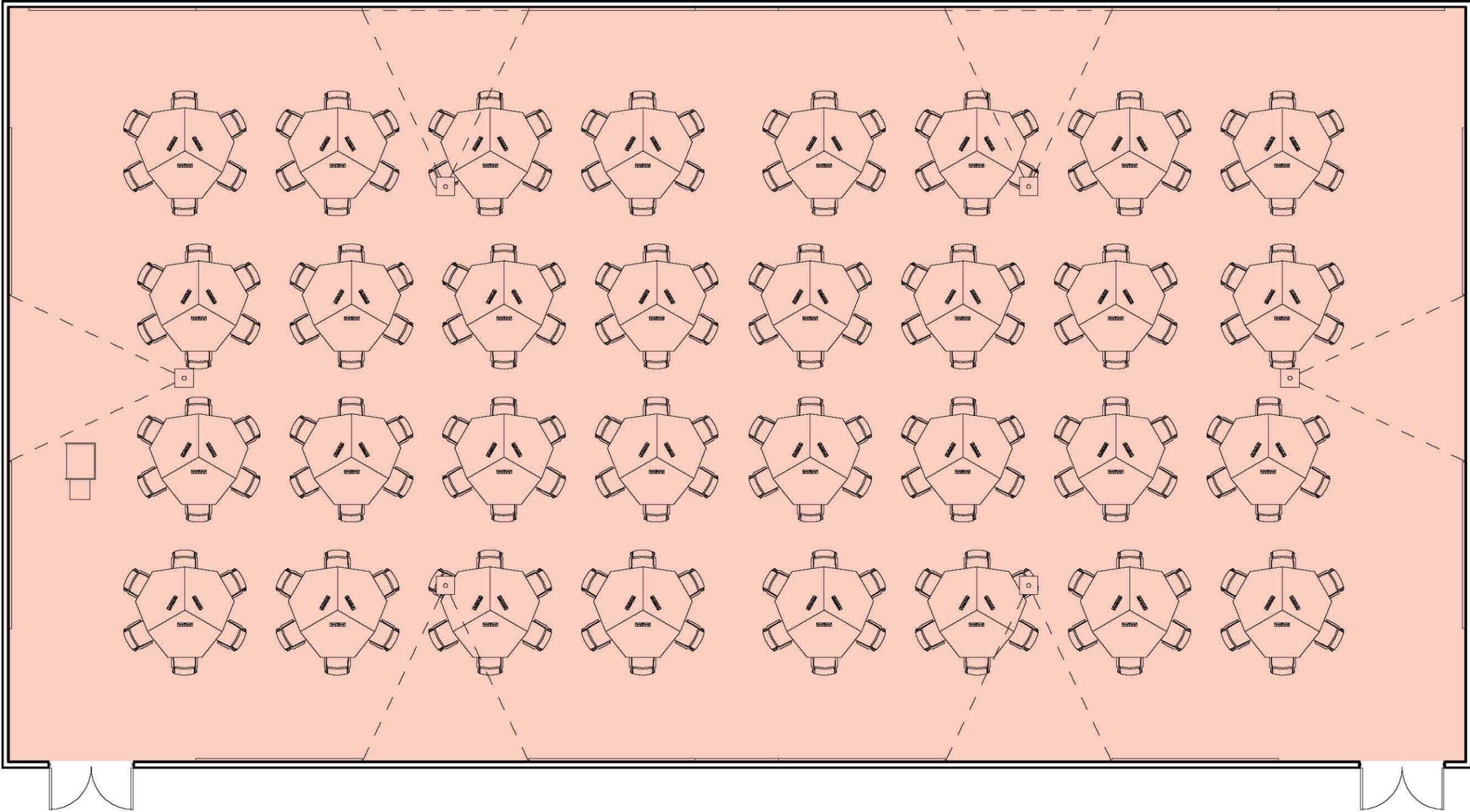
Assembly



Assembly Option 02, Tiered Floor
206 Seats
4800 SF
23 SF / Seat



Simple

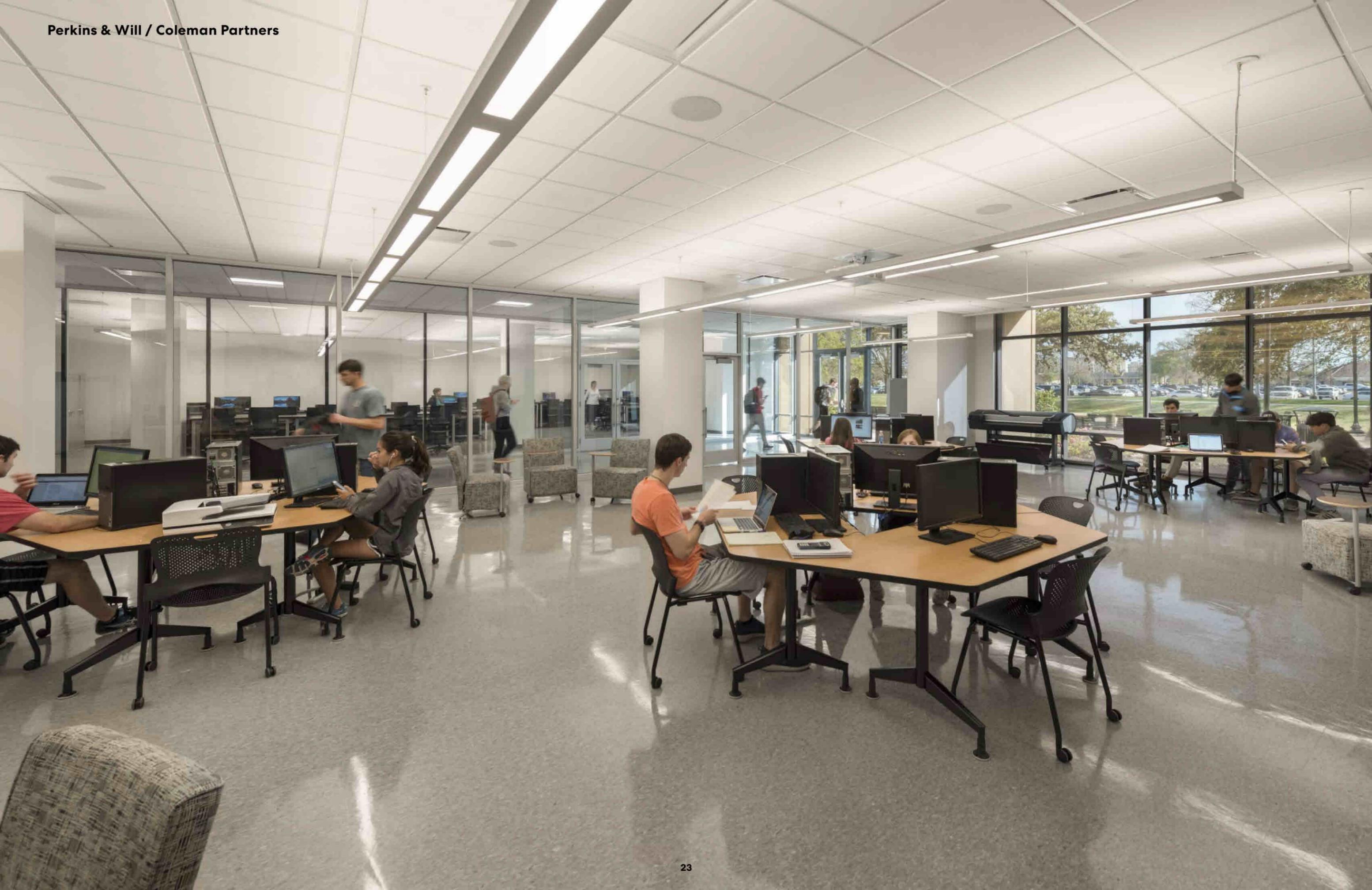


Assembly Option 03, Flat Floor

192 Seats

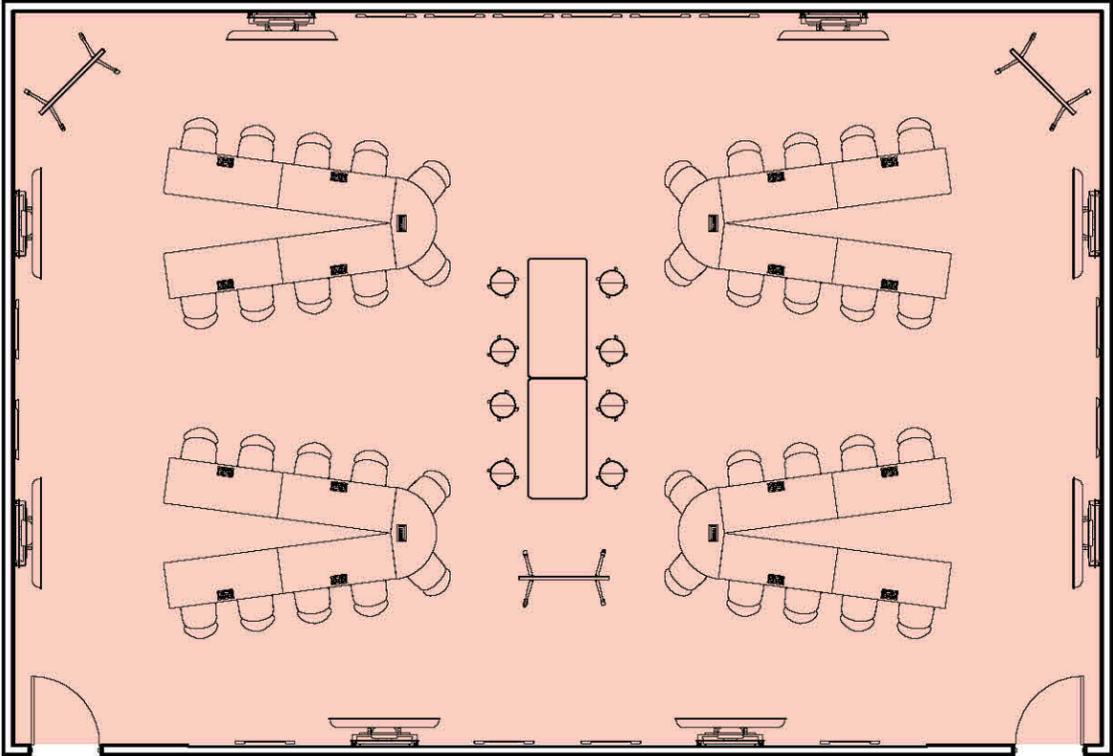
5700 SF

30 SF / Seat

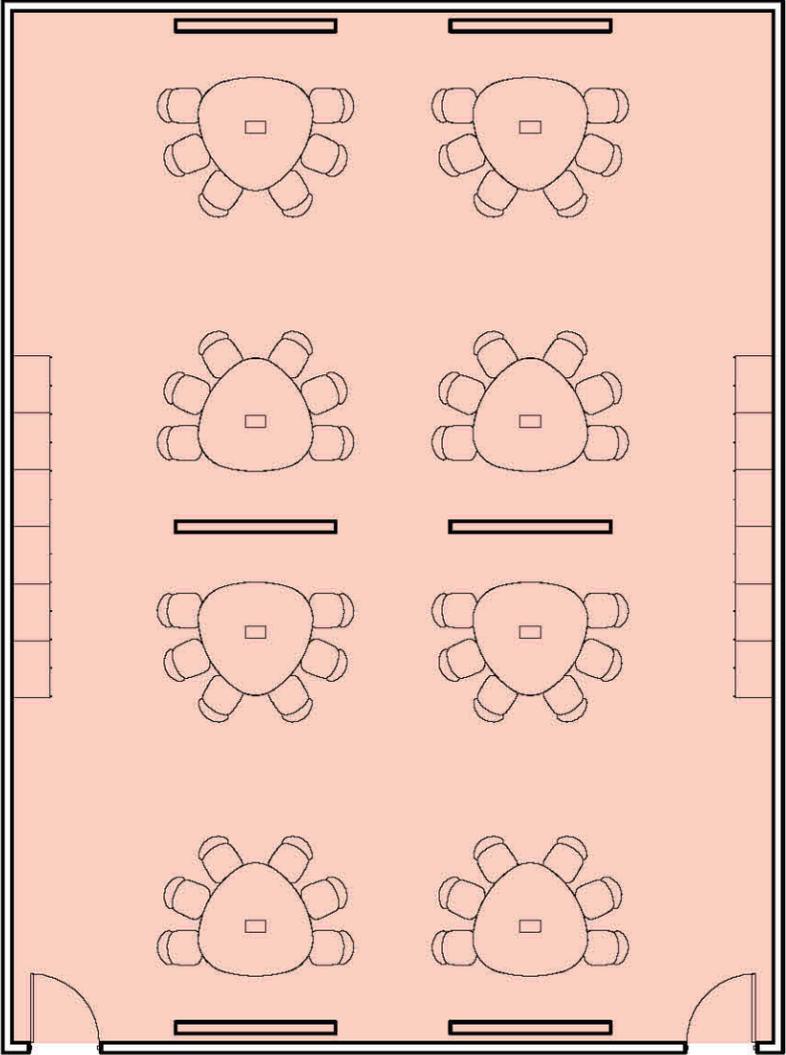


Room Data Sheets

Teaching Success Support



Option 01
 48 Seats
 1520 SF
 32 SF / Seat

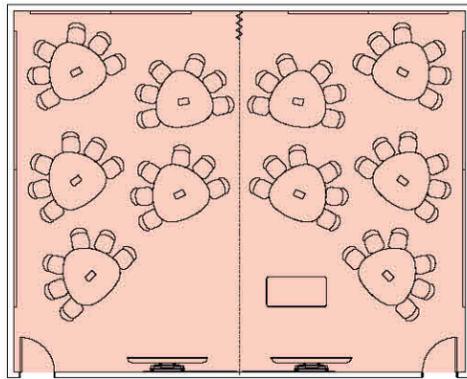


Option 02
 48 Seats
 1470 SF
 31 SF / Seat



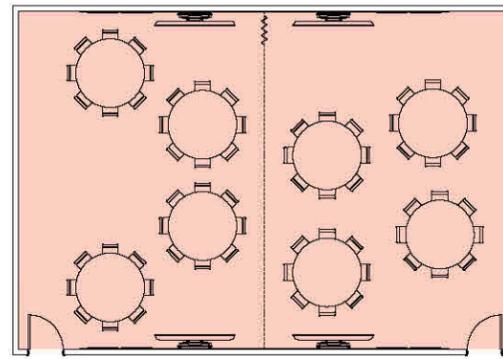
Room Data Sheets

Large Classroom



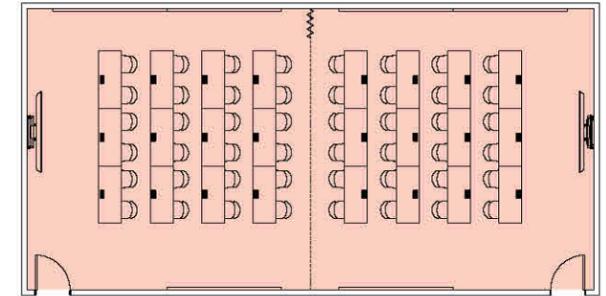
Large Classroom Option 01

60 Seats
1250 SF
21 SF / Seat



Large Classroom Option 02

64 Seats
1260 SF
20 SF / Seat



Large Classroom Option 03

48 Seats
1210 SF
25 SF / Seat

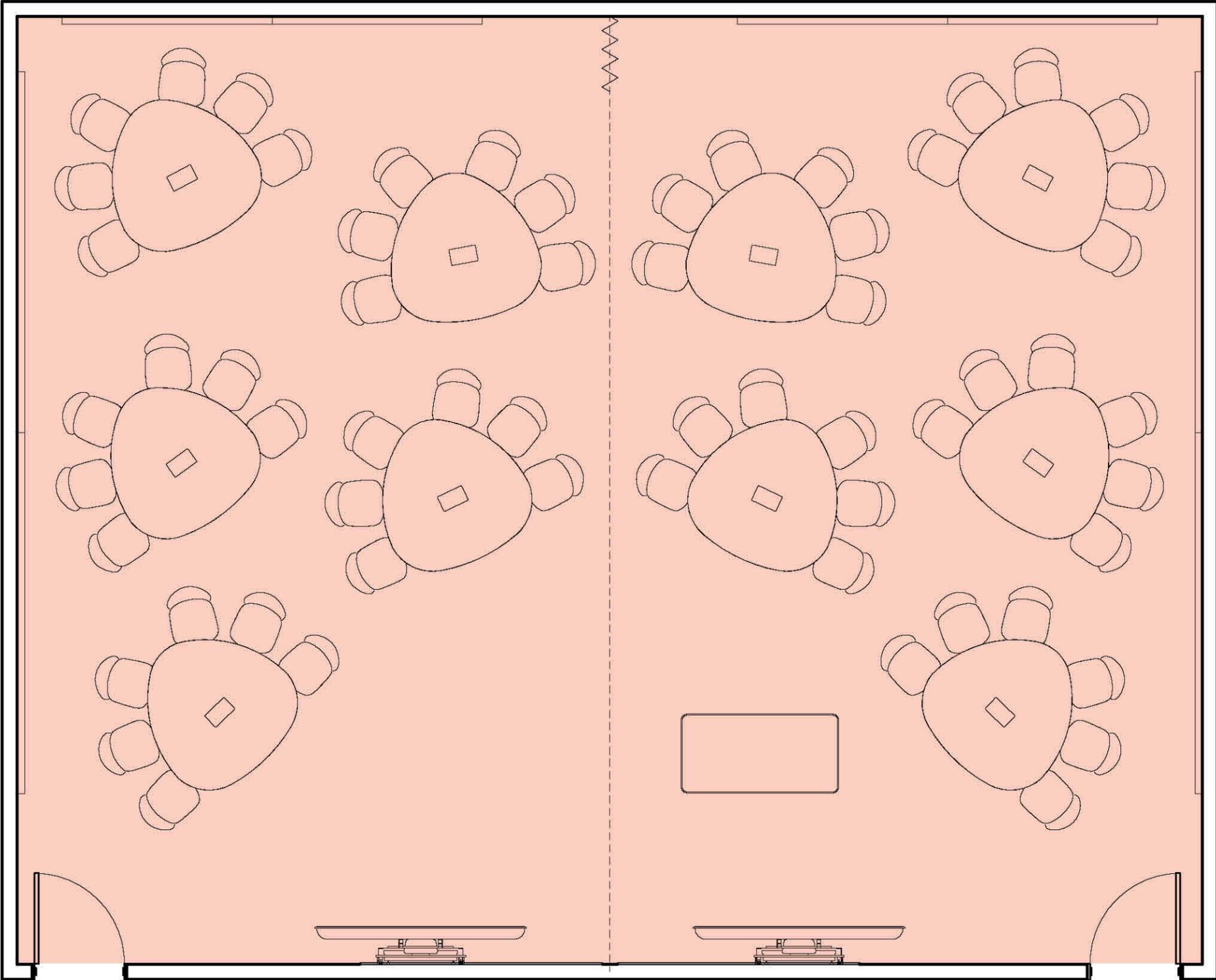
Program Diagrams

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Room Data Sheets

Large Classroom



Large Classroom Option 01

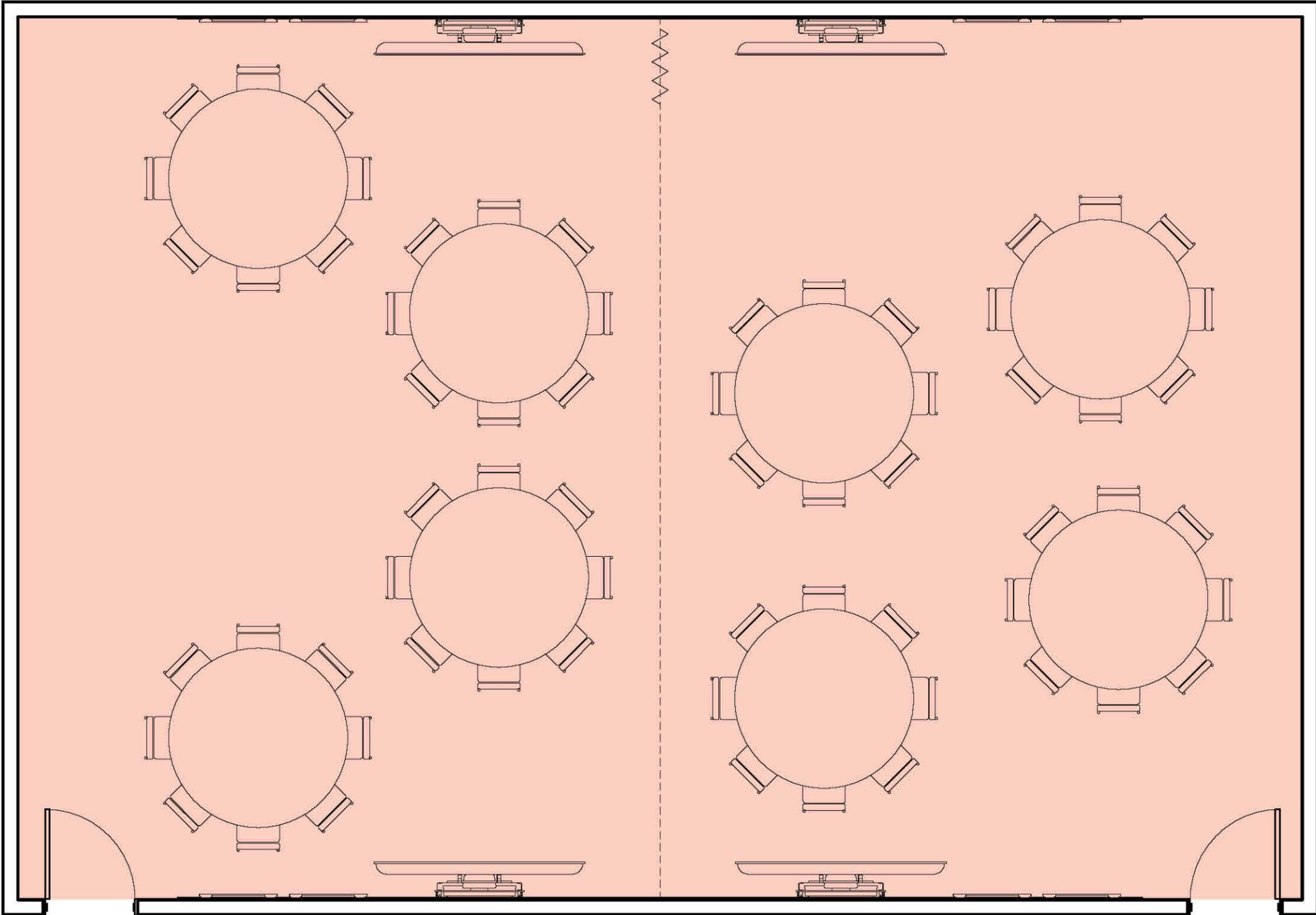
60 Seats

1250 SF

21 SF / Seat

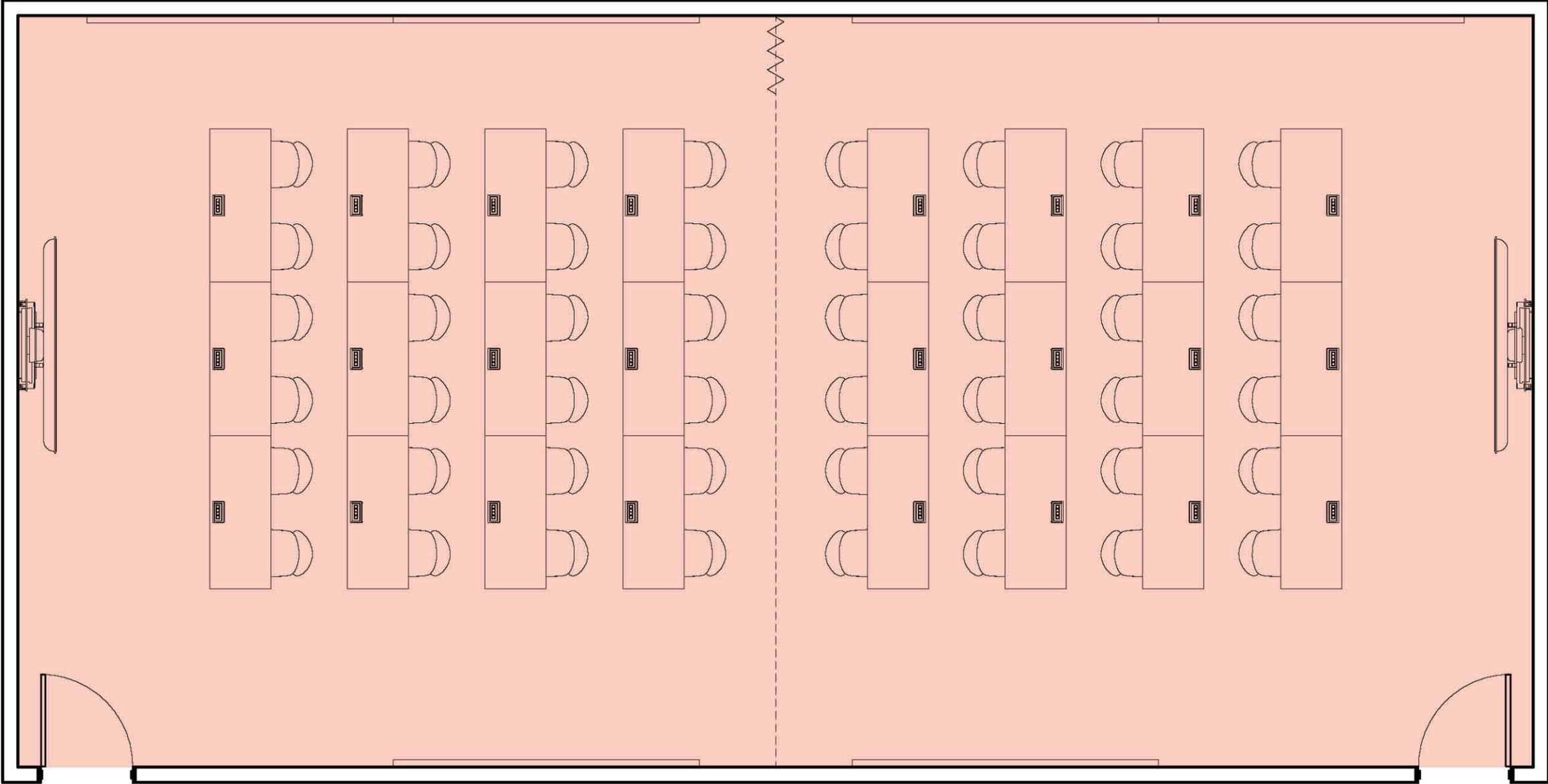
Room Data Sheets

Large Classroom



Large Classroom Option 02
64 Seats
1260 SF
20 SF / Seat





Large Classroom Option 03

25 Seats

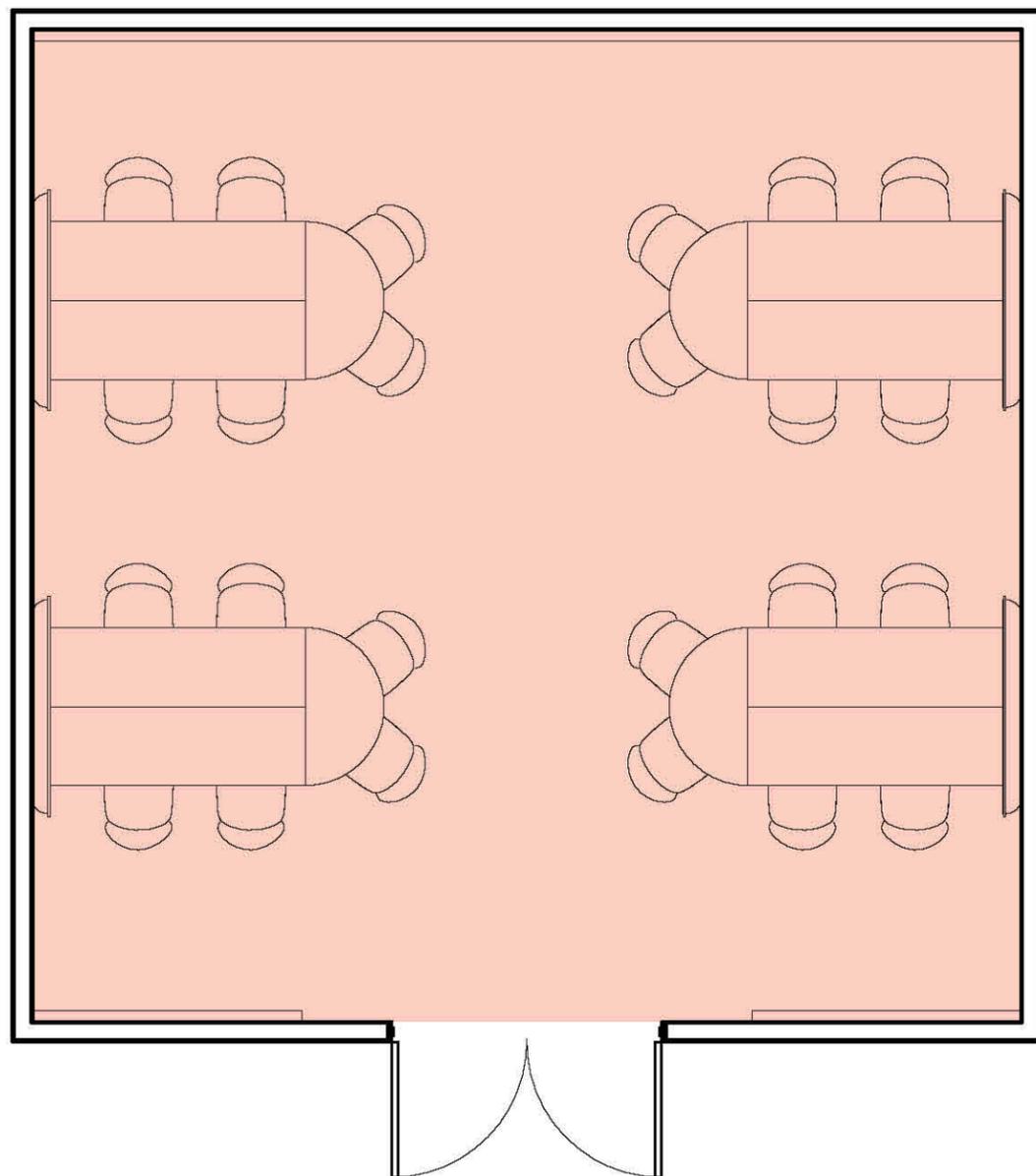
1210 SF

25 SF/ Seat



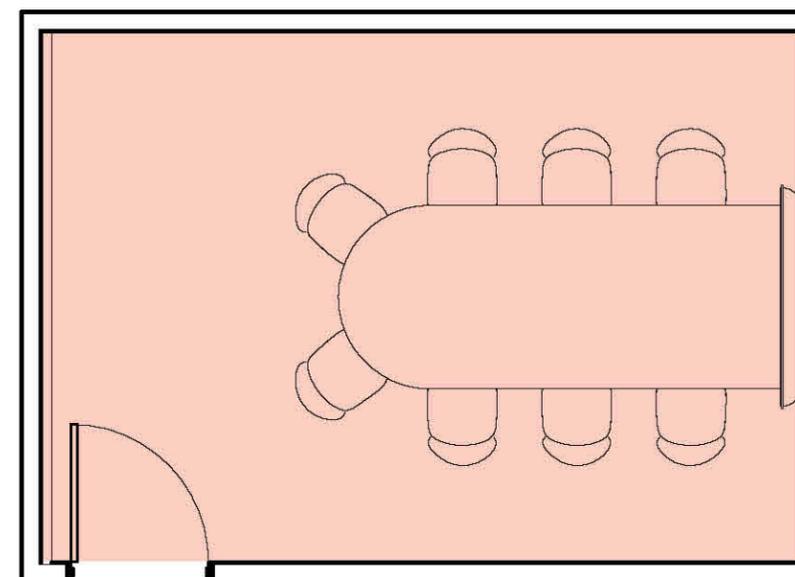
Room Data Sheets

Small Classroom



Small Classroom, Small Instructional

24 Seats
480 SF
20 SF / Seat



Small Classroom, Student Huddle

8 Seats
190 SF
24 SF / Seat

Program Diagrams

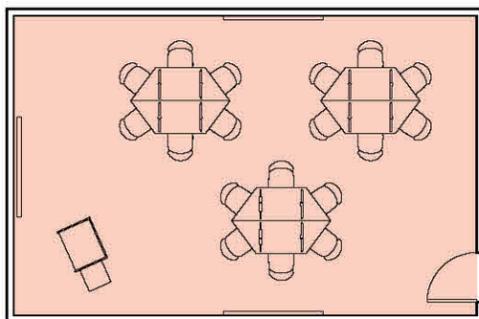
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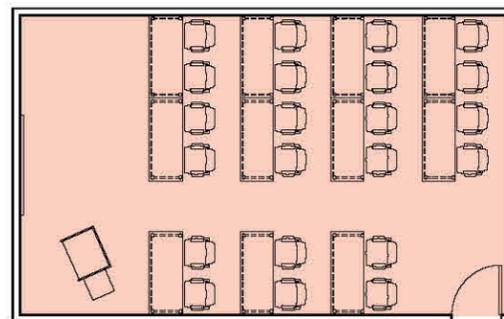
Room Data Sheets

Teaching Success Support



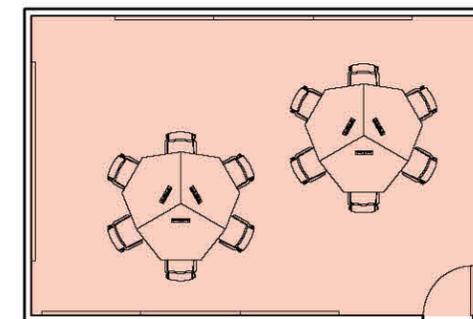
Teaching Support Opt 01, Active Learning/ Instructional Adaptable

18 Seats
500 SF
27 SF / Seat



Teaching Support Opt 02, Small Instructional

22 Seats
550 SF
25 SF / Seat



Teaching Support Opt 03, Active Learning

12 Seats
500 SF
42 SF / Seat

Program Diagrams

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Refer to program list for list of typical room types.



Piedmont Health Care Wellness Center, Atlanta, GA

Section 02.

Health & Wellness

Contents

A 01 Right Sizing the Welness Program

A 02 Program Summary

A 03 Program Space Detail

Health & Wellness

Some basic questions to consider

1. How will we define wellness in this project?
2. How will we assess and measure the success of these programs and activities? Improved health, reduced stress, increased socialization, overall well-being?
3. To establish an appropriately sized center, we need to consider the participation rate of users. Do we anticipate different participation between student, faculty and staff? How might this affect the size and function of the spaces and activities we provide?
4. What would be an appropriate balance of unstructured drop-in uses and organized programmed activity and classes?
5. Is there any value in providing space(s) for recreational sports in addition to basic health and fitness?
6. If we were to the range of users, what would you suspect the most important benefits wellness program to be, and to whom?
7. If the Wellness Program did nothing else, it must do _____ and _____ well.

Health & Wellness

A path to more resilient humans

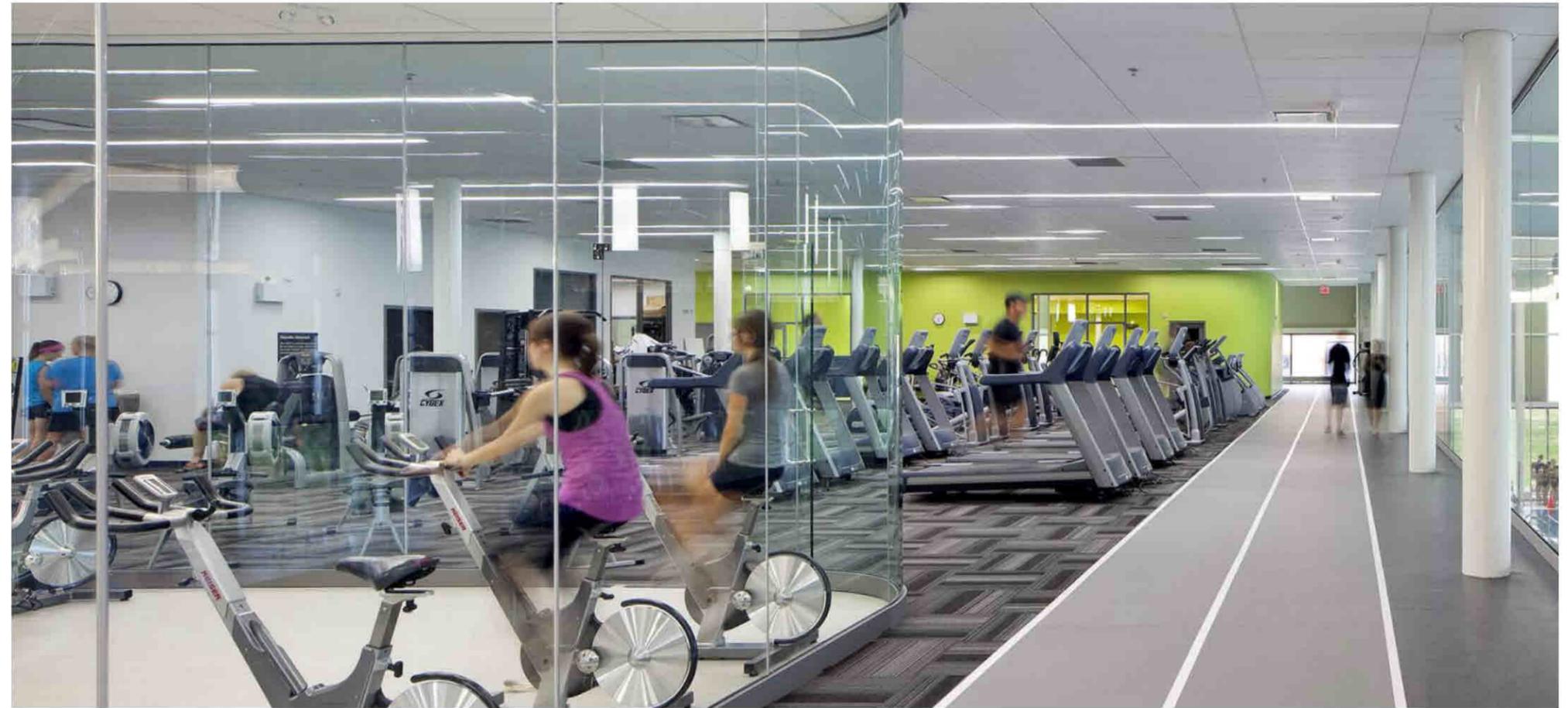
A place where people come together, share experiences and lead healthier lives.

Components

A 01 Right Sizing the Wellness Program

A 02 Program Summary

A 03 Program Space Detail



01. Right Sizing the Wellness Program

Based on the following estimated population of users, we have evaluated the potential use patterns and area necessary accommodate this program.

User Population:

- 1500 students
- 1,700 LSU faculty and staff
- 3,000 Ochsner Hospital staff
- 6,200 total user population

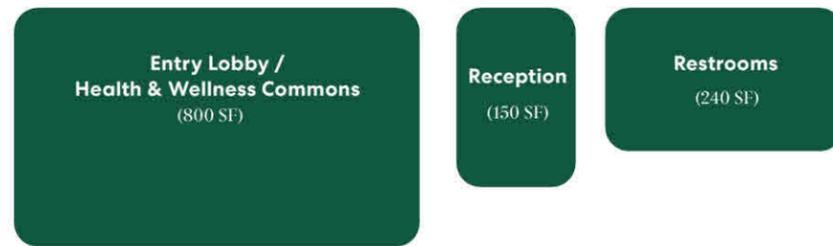
Participation rates in recreation, fitness and wellness programs vary widely across college campuses. According to a wide pool of campus surveys, participation rates vary from 30%-90% of students who regularly participate in fitness and wellness programs within campus recreation centers. We have aimed toward the higher end of this range to establish an estimated participation rate.

LSU Shreveport Campus estimated participation rate	50%
Core user population (75% of 4000 potential users)	3,100
Average visits per week	2 visits/week

Average length of visit	1 hour
Total use hours per week	6,000 hrs/wk
Total assumed hours of operation per week=	80 hours
Total assumed PEAK hours per week=	30 hours
Average use hours amortized over total peak hours	210 users at peak hours
Required area for average peak users (60sf/user)	12,600 sf total fitness area
Proposed Fitness Areas (approximate)	
Drop-in Fitness Center	7,325 sf
Programmed Fitness / Group Exercise	3,400 sf
Wellness Suite	940
Total Proposed Fitness Space	11,665 sf
Locker Room Sizing	
200 peak users (100 women, 100 men) assuming 50% use	
Assume 50 lockers (25 footprints) per gender	

AREA/FUNCTION	AREA		
	No	NSF EACH	TOTAL NSF
1 Reception & Administration			
2 Entry Lobby / Health & Wellness Commons	1	800	800
3 Reception/access control desk area	1	150	150
4 Restrooms	2	120	240
Subtotal NSF			1,190
5 Offices			
6 Wellness Coordinator office	1	120	120
7 Program Assistant office	1	100	100
8 Open workstation	1	65	65
9 Copy/workroom/break area	1	180	180
10 Storage	1	40	40
Subtotal NSF			505
Fitness Activity Spaces			
11 Drop-in Fitness			
12 Cardiovascular workout area (35 stations)	1	2625	2,625
13 Circuit training area (24 stations)	1	1800	1,800
14 Strength training area (15 stations)	1	1500	1,500
15 Open Plyometric workout area	1	1200	1,200
16 Wellness resource counter	1	100	100
17 Fitness center storage	1	100	100
Subtotal NSF			7,325
18 Multi-Activity Gymnasium			
19 Gymnasium (42'x64' court)	1	4480	4,480
20 Gymnasium storage	1	300	300
Subtotal NSF			4,780
21 Program Fitness / Group Exercise			
22 Large Fitness Studio (25-30 users)	1	1950	1,950
23 Small Fitness Studio (15-18 users)	0	1040	0
24 Fitness Studio Storage (shared)	1	250	250
25 Specialized Fitness Studio (15-18 users)	1	1200	1,200
26 .4 Lane Lap Pool	0	4750	0
Subtotal NSF			3,400
Wellness Spaces			
27 Wellness Suite			
28 Check-in	1	100	100
29 Consultation/Evaluation rooms	2	100	200
30 Office	1	100	100
31 Flex Relaxation/rejuvenation studios	2	120	240
32 Fitness Assessment and Training area	1	300	300
33 Small conference/meeting room	1	0	0

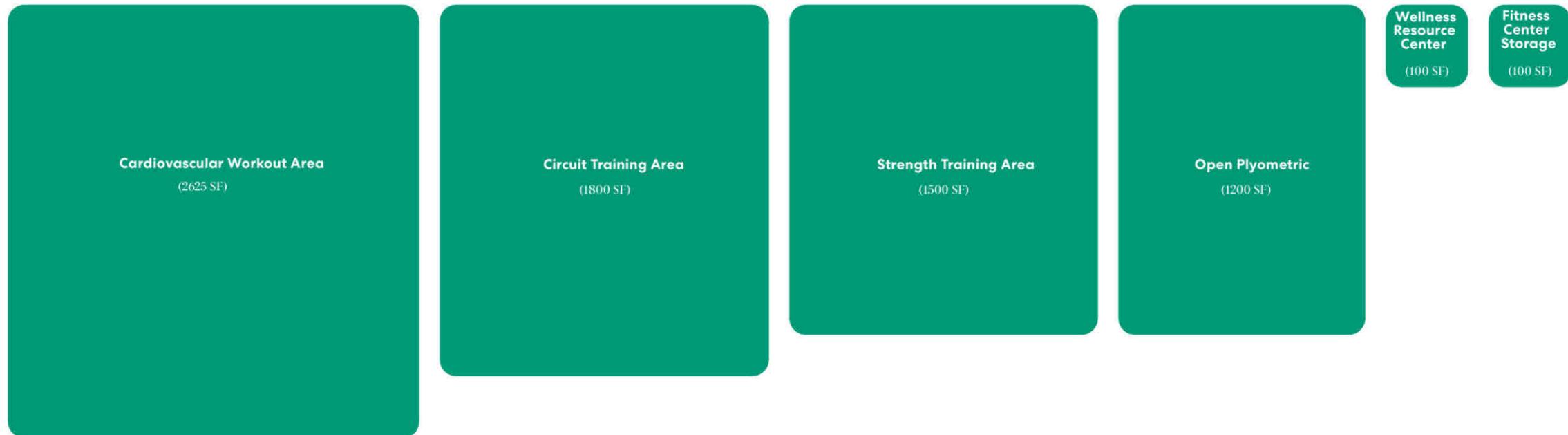
Reception



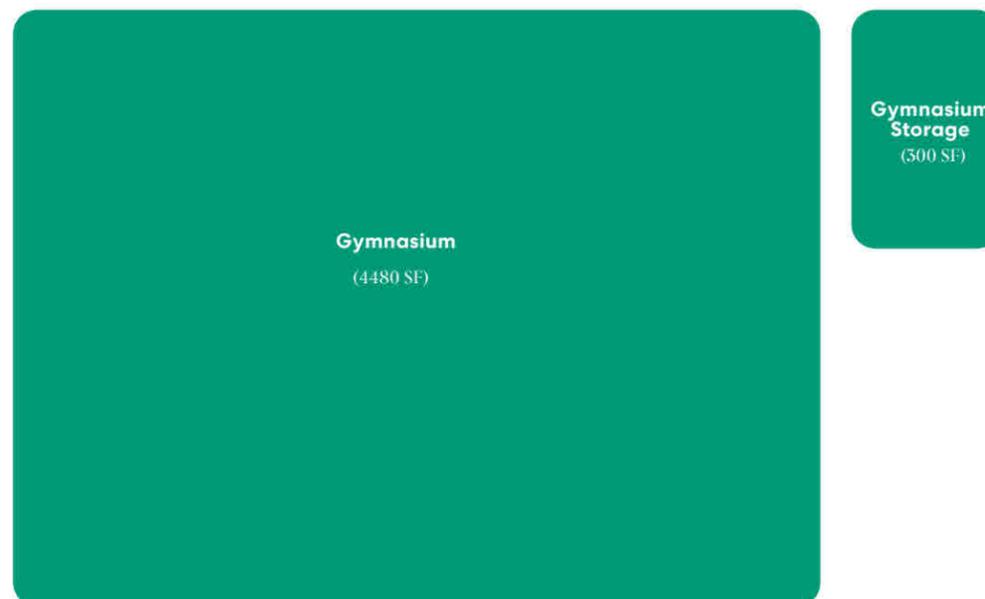
Administrative Offices



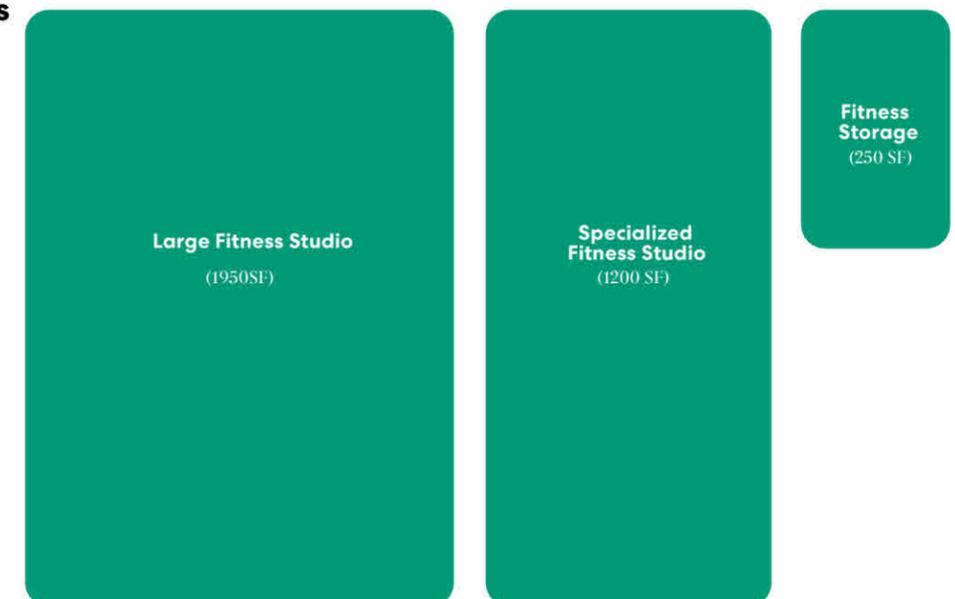
Drop-in Fitness



Multi-Activity Gymnasium



Program Fitness



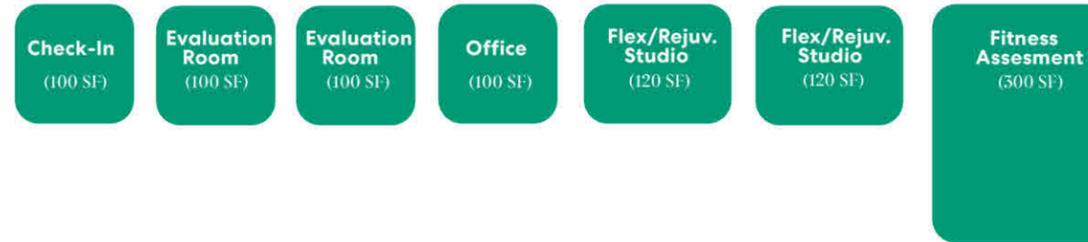
Program Diagrams

The footprints delineated here graphically represent the spaces included in the Health and Wellness Center program. In order to thoughtfully organize these programs into a functional and cohesive solution, it is useful to visually represent the range of scale and uses proposed.



AREA/FUNCTION	AREA		
	No	NSF EACH	TOTAL NSF
Subtotal NSF			940
Instructional Kitchen / Wellness Classroom			
34			
35	Kitchen area	1	320
36	Multi-use classroom / cooking instructional area	1	480
Subtotal NSF			800
Child Sitting			
37			
38	Check-in	0	80
39	Playroom	0	40
40	Sink	0	10
41	Toilet, Child	0	50
42	Sink, Child	0	10
43	Storage	0	60
44	Cubbies	0	15
Subtotal NSF			0
Support			
45			
46	Meditation Space	1	240
47	Lactation Room	2	80
48	General Wellness Center Storage	1	300
49	Laundry	1	125
50	Pool Equipment Area	0	600
51	Men's Locker Room (40 locker footprints)	1	800
52	Women's Locker Room (40 locker footprints)	1	800
53	Gender equitable change rooms	3	80
54	Open locker and seating area	1	100
Subtotal NSF			2,765
Total NSF			21,705

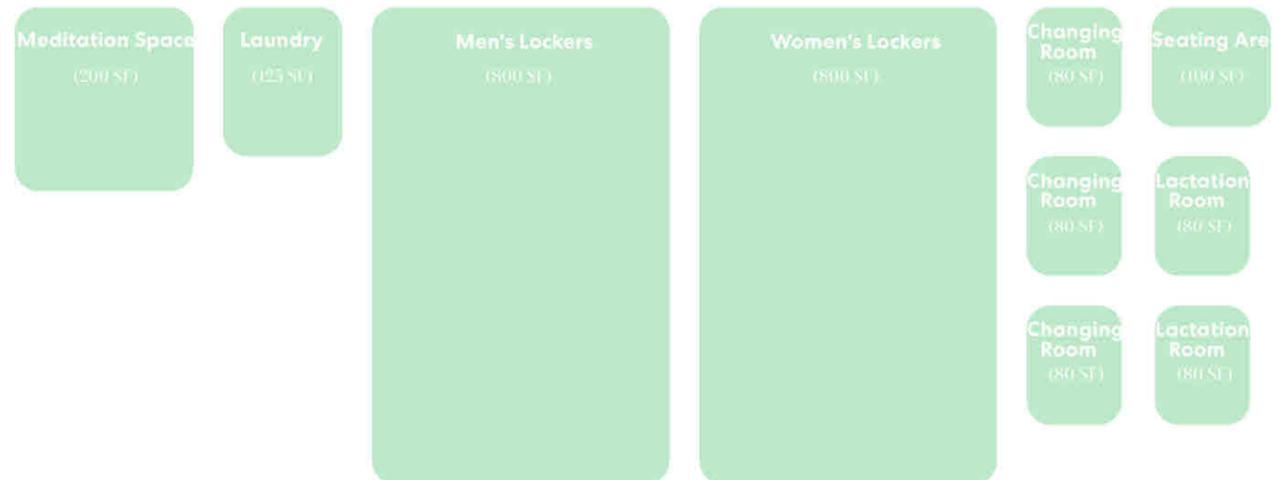
Wellness Suite



Instructional Kitchen & Wellness Classroom



Support

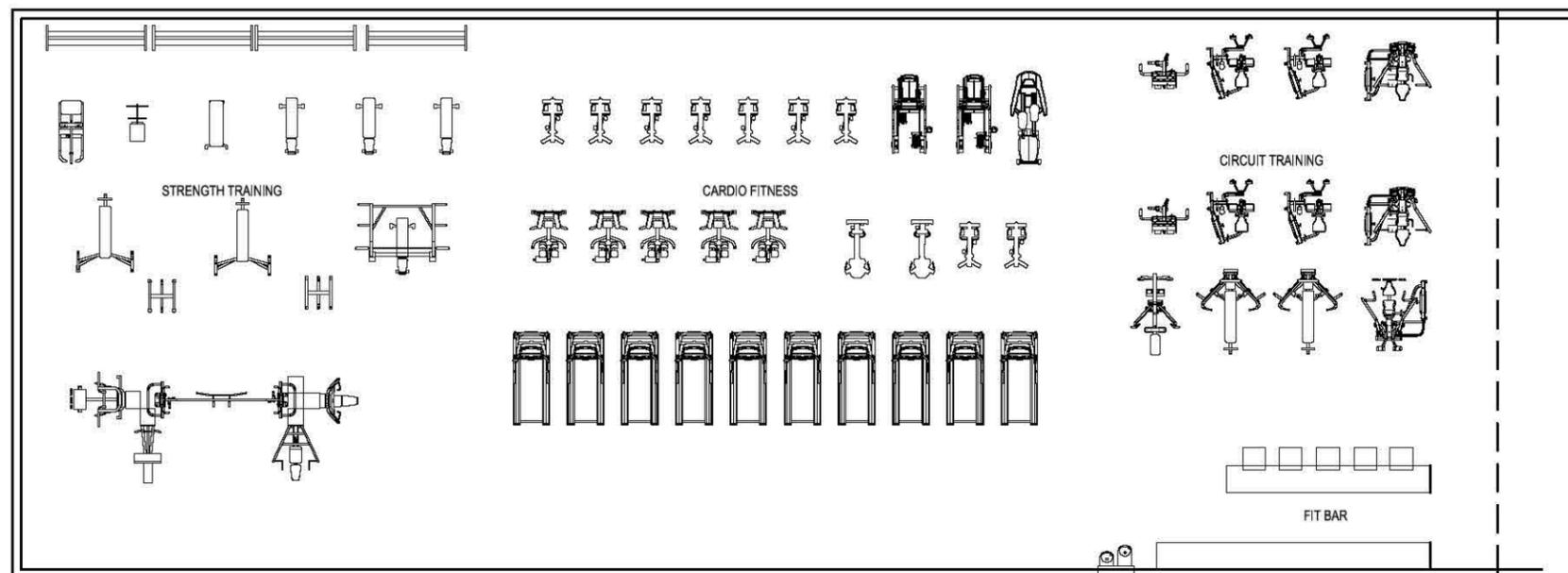


Program Diagrams

The footprints delineated here graphically represent the spaces included in the Health and Wellness Center program. In order to thoughtfully organize these programs into a functional and cohesive solution, it is useful to visually represent the range of scale and uses proposed.



Fitness Center



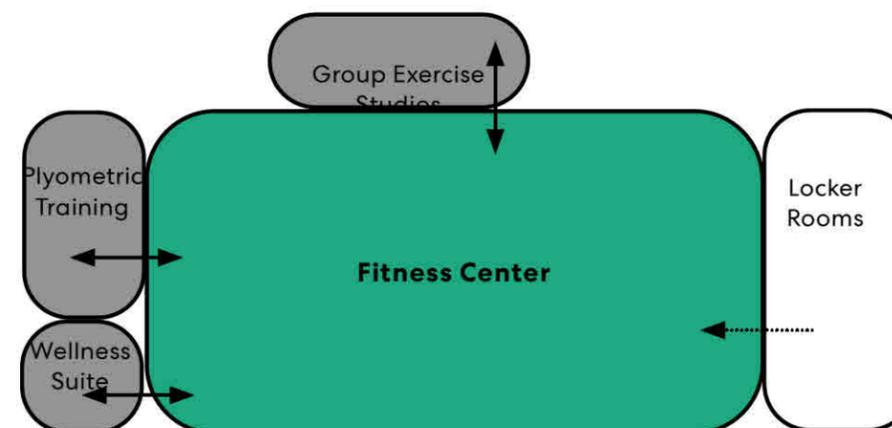
Fitness Center Plan

7325 nsf

CONSIDERATIONS

1. Open floor area with zones designated for different types of fitness
2. Adjacent access to the running track is preferred but not mandatory
3. Cardio fitness equipment-treadmills, stationary bikes, stair climbers, elliptical, rowers (Approx 40 stations)
4. Strength equipment-racks w/barbells, dumbbells, benches (approx. 15 stations)
5. Selectorized equipment-2 circuits of full-body workout equipment (approx. 24 stations)
6. Television monitors (6-8)
7. Check-in/info station with barstools (10)
8. Mirrors
9. Water bottle fillers
10. Towel receptacle

Adjacency Diagram



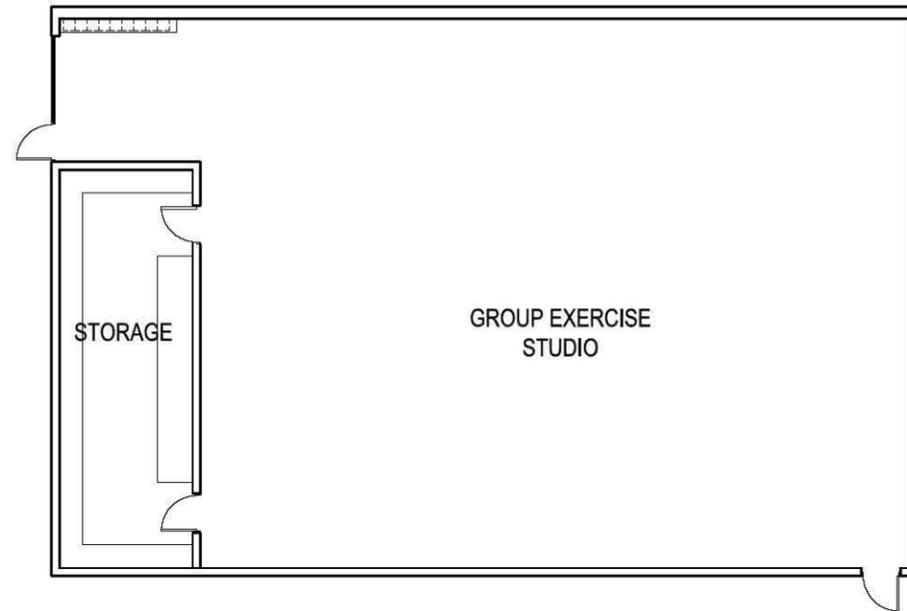
Program Diagrams

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Refer to program list for list of typical room types.



Group Exercise Studio



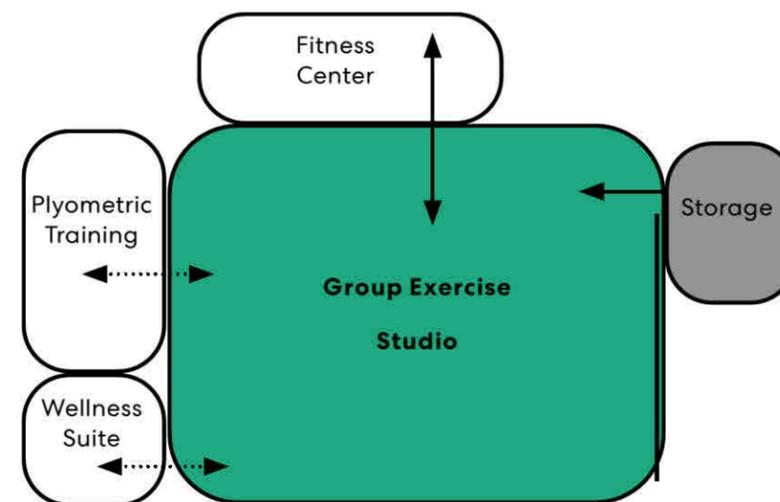
Group Exercise Studio Plan

1950 nsf

CONSIDERATIONS

1. Should accommodate 30-35 people for exercise class
2. Access to running track should be nearby
3. Adjacent to the fitness center and wellness suite
4. Ample storage for a variety of fitness equipment
5. Views and access to outdoor fitness space is a positive
6. Storage cubbies
7. Benches
8. drinking fountain w/ bottle filler
9. Television monitor
10. Projector and retractable screen
11. Exercise equipment-fit balls, steps, mats, hand wieghts, resistance bands, etc.
12. Storage shelves and bins
13. Ceiling or wall mount oscillating fans

Adjacency Diagram



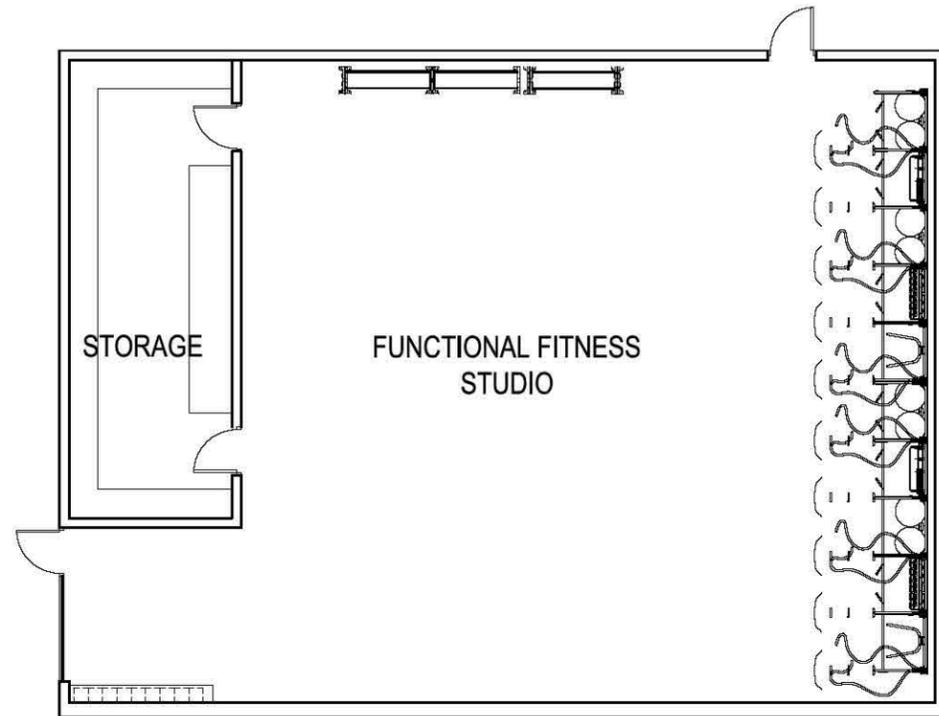
Program Diagrams

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Refer to program list for list of typical room types.



Functional & Plyometric Training



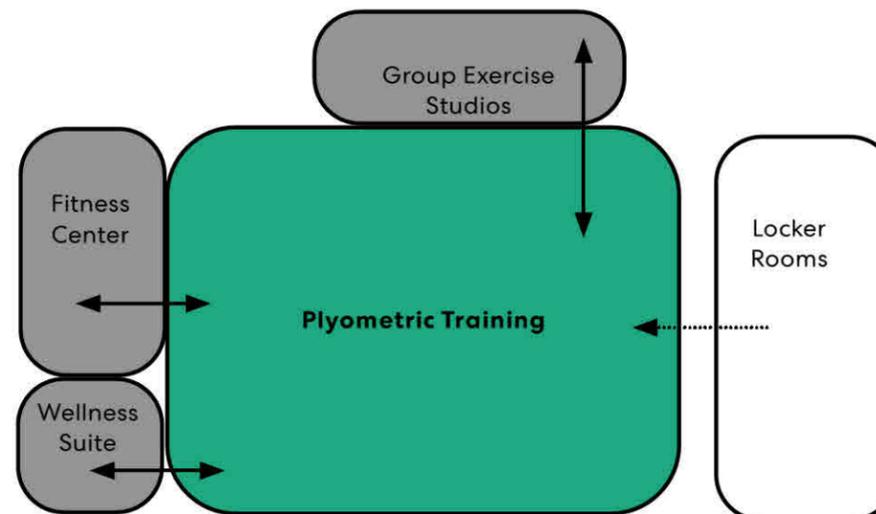
Functional & Plyometric Training Studio Plan

1200 nsf

CONSIDERATIONS

- TRX training area with overhead rack
- Open cross-training area with fitness equipment
- Adjacent to the other fitness areas including the fitness center, group exercise studio, wellness suite and running track
- Workout equipment on modular storage racks including fit balls, resistance bands, hand weights, kettle bells, medicine balls, and other loose equipment
- TRX workout racks for resistance training
- Television monitors (2)

Adjacency Diagram



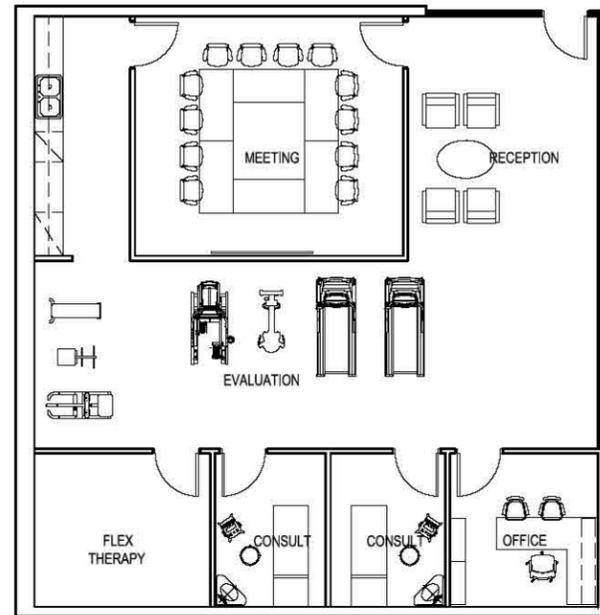
Program Diagrams

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Refer to program list for list of typical room types.



Health & Wellness Suite

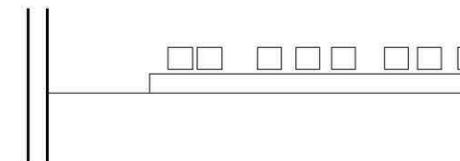


Health & Wellness Suite Plan

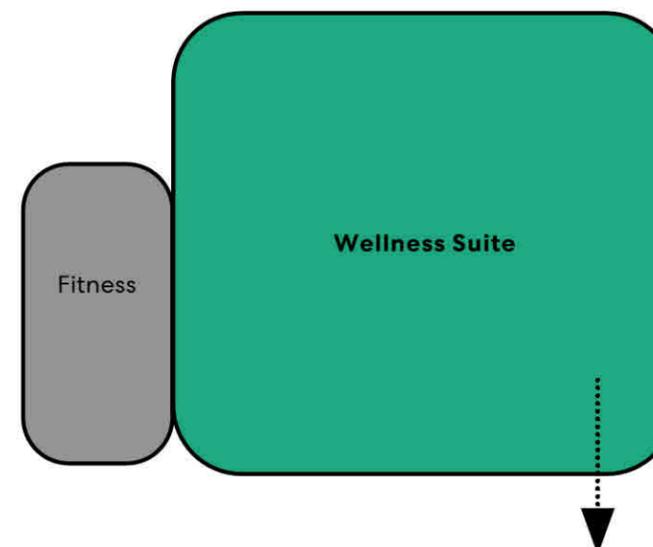
940 nsf

CONSIDERATIONS

1. Check-in reception area
2. Staff office
3. (2) Private evaluation/consultation rooms
4. Small conference meeting room for 10-12
5. Open fitness floor area with evaluation, stretching and cardio equipment
6. Access should be near other fitness uses
7. Upper and Lower storage cabinets
8. Sink in eval. rooms
9. Television monitor
10. Tables and chairs
11. Projector and retractable screen in conference
12. Fitness equipment (treadmill, stationary bike, stretching machine, fitness mats)



Adjacency Diagram



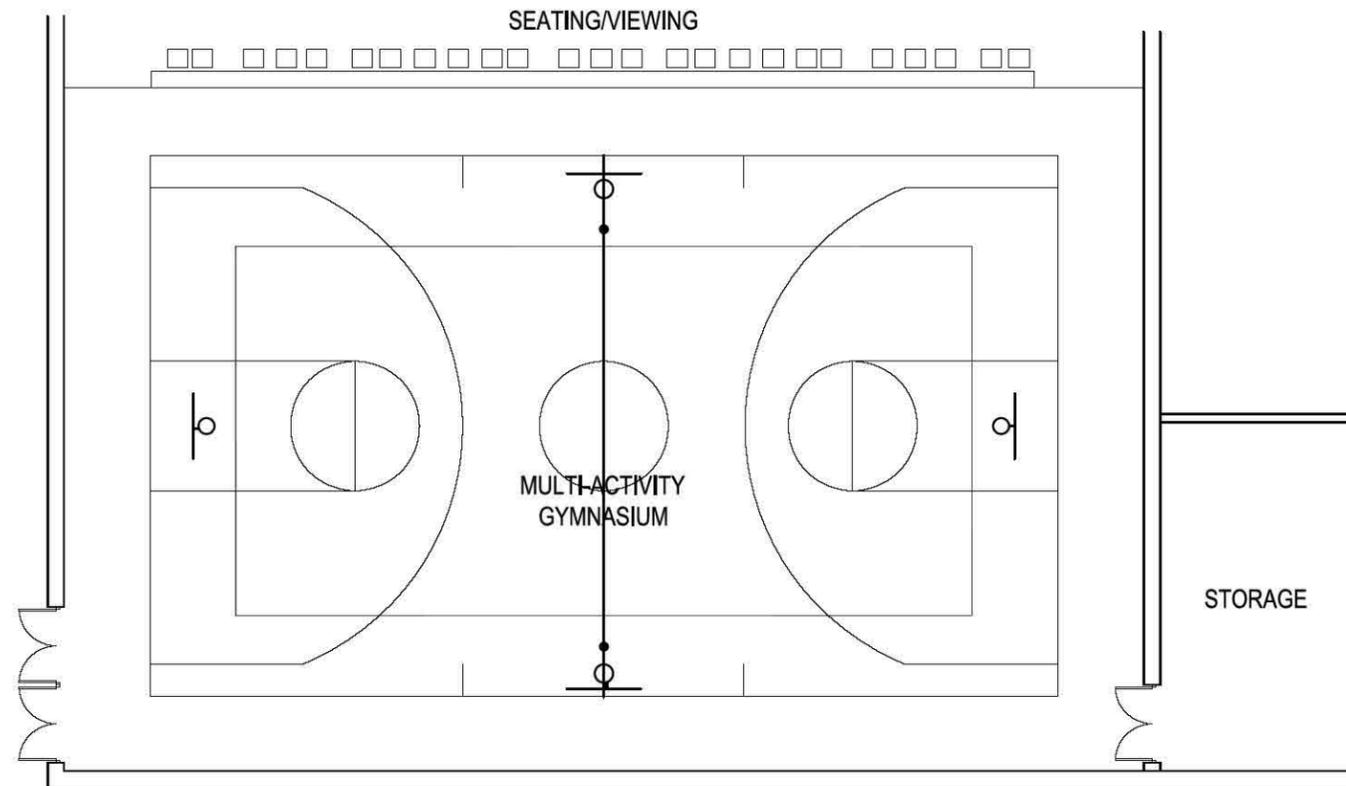
Program Diagrams

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Refer to program list for list of typical room types.



Multi-Activity Gymnasium



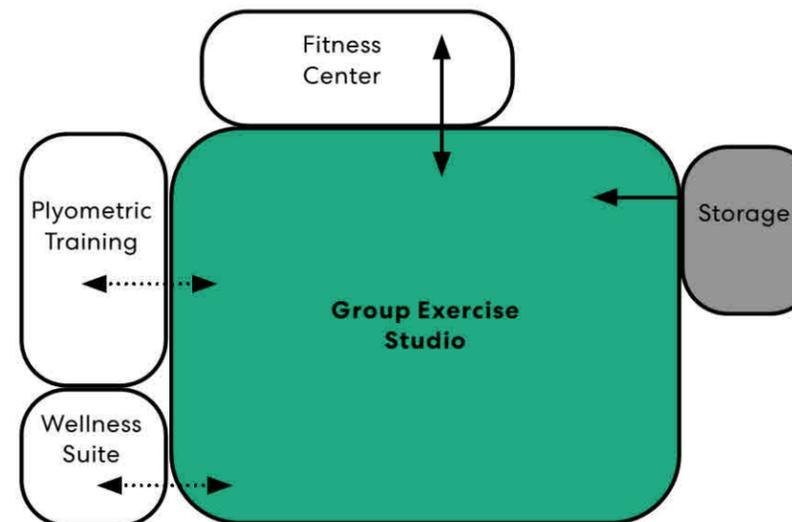
Multi-Activity Gymnasium Plan

1950 nsf

CONSIDERATIONS

1. Single court multi-purpose gymnasium for a range of uses including sports, community events, rentals and other assembly uses.
2. Flexible area with convertible dividers and moveable seating.
3. Gym accommodates (1) 44' x 74' basketball court and (1)-30'x60' volleyball court
4. Drop-in sports-basketball, volleyball, badminton, dodgeball.
5. Provide adjacent storage and viewing.
6. Ample moveable seating for viewing
7. Ideally should be located on the ground floor.
8. Directly adjacent to gymnasium storage
9. Durable materials including resiliend wood flooring.

Adjacency Diagram



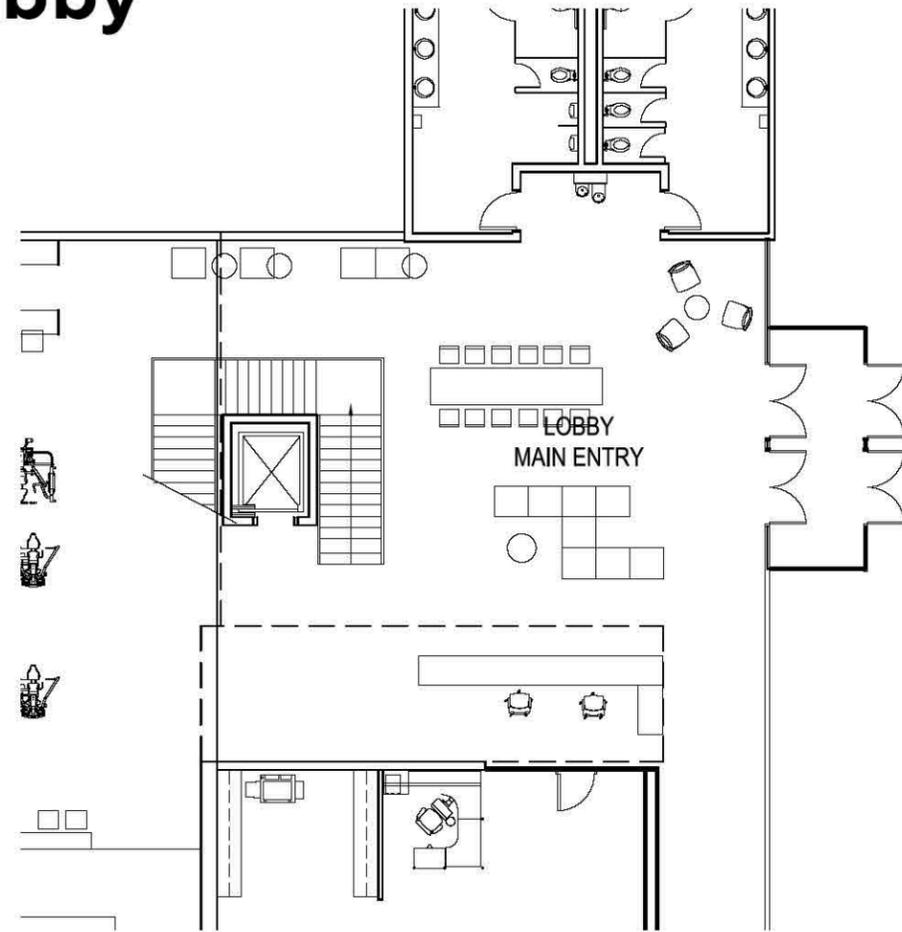
Program Diagrams

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Refer to program list for list of typical room types.



Entry Lobby



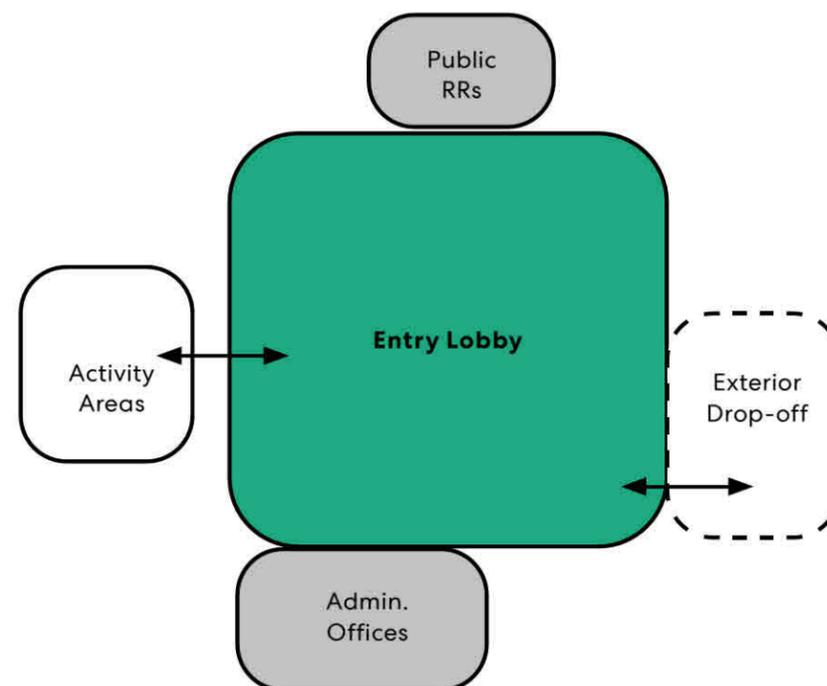
Entry Lobby Plan

1190 nsf

CONSIDERATIONS

1. Entry vestibule leading to main entry lobby
2. Reception check-in desk with access control
3. Adjacent to administrative offices
4. Gathering space
5. Access to public restrooms
6. Visibility into larger activity spaces such as the gymnasium, fitness areas and gathering spaces
7. Close to exterior drop-off and parking
8. Ceiling-hung retractable divider curtain
9. Retractable glass basketball backstops (6)
10. Volleyball standards/nets (2)
11. Badminton standards (8)
12. Scoreboards (2)
13. Wall impact mats

Adjacency Diagram



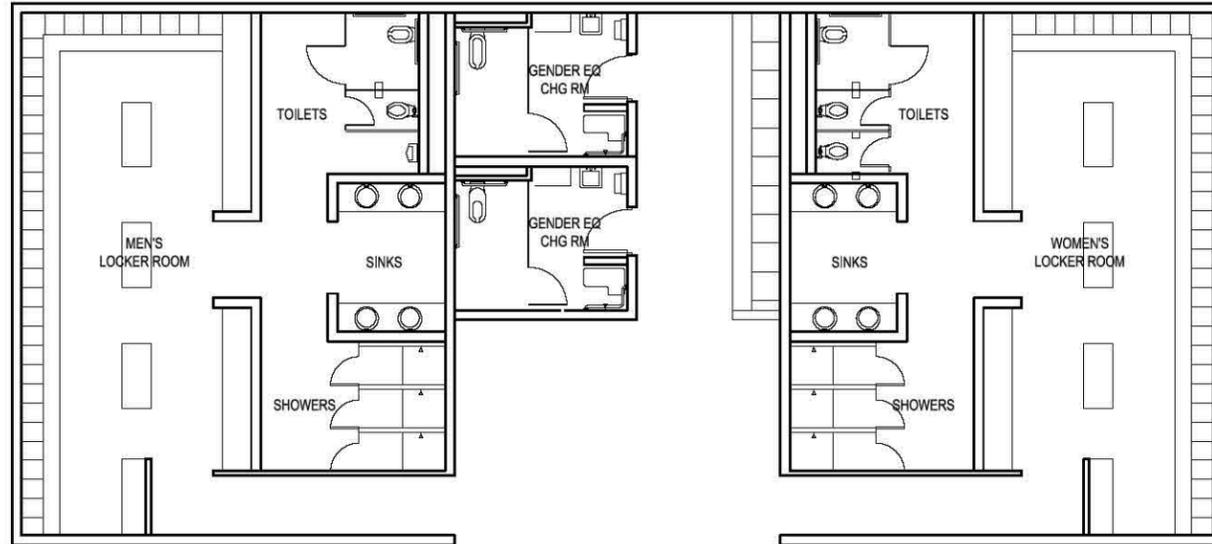
Program Diagrams

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Locker Rooms



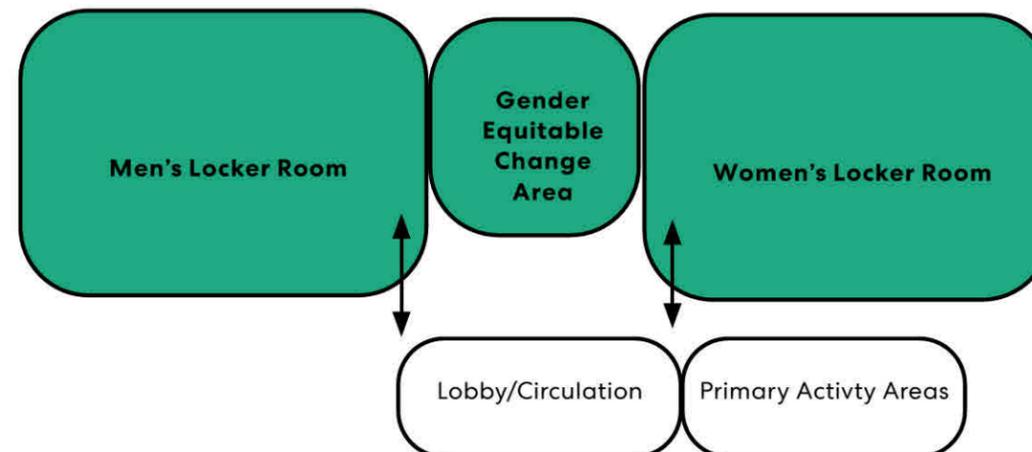
Locker Rooms

1940 nsf

CONSIDERATIONS

1. Includes separate men's and women's locker rooms with toilets, and shower/drying areas
2. Family and gender equitable change areas will have private rooms with sink, toilet and shower. Lockers and benches are located in a nearby area
3. Should be located proximate to the main entry and circulation
4. Easy access to larger activity areas such as the gymnasium and fitness areas
5. Built in phenolic resin lockers with benches
6. Vanity counters with mirrors
7. ADA change bench and lockers (2 each gender)
8. Shower stalls each with adjustable shower head, door, hooks and bench, glass or phenolic divider panels
9. Bathroom accessories include paper towel/trash receptacle, toilet paper dispensers, hand dryers, sanitary napkin dispenser, baby change table (1 per room)
10. Phenolic resin toilet compartments

Adjacency Diagram



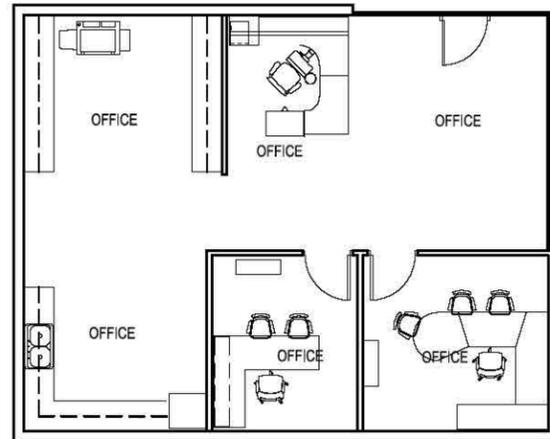
Program Diagrams

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Refer to program list for list of typical room types.



Administrative



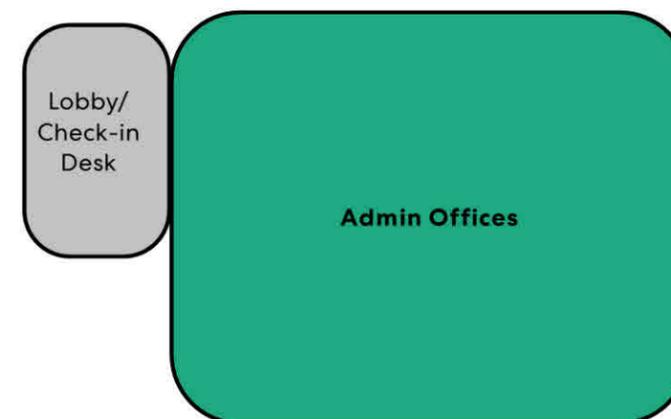
Administrative Area Plan

505 nsf

CONSIDERATIONS

1. Open area for workstations
2. Adjacent to the entry lobby and access control area
3. View to major activity areas is desirable
4. Copier/scanner
5. Open workstations (2) each to include desk, return, 3 drawer pedestal, upper storage cabinet, 2 power panels, computer, monitor, desk chair
6. Private offices (2) each to include desk, credenza return, 3 drawer pedestal, full height shelf unit, , computer, monitor, desk chair, 2 side chairs

Adjacency Diagram



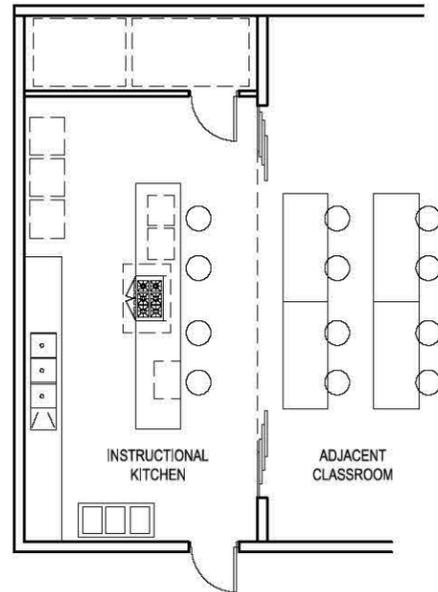
Program Diagrams

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Refer to program list for list of typical room types.



Demonstration/Teaching Kitchen



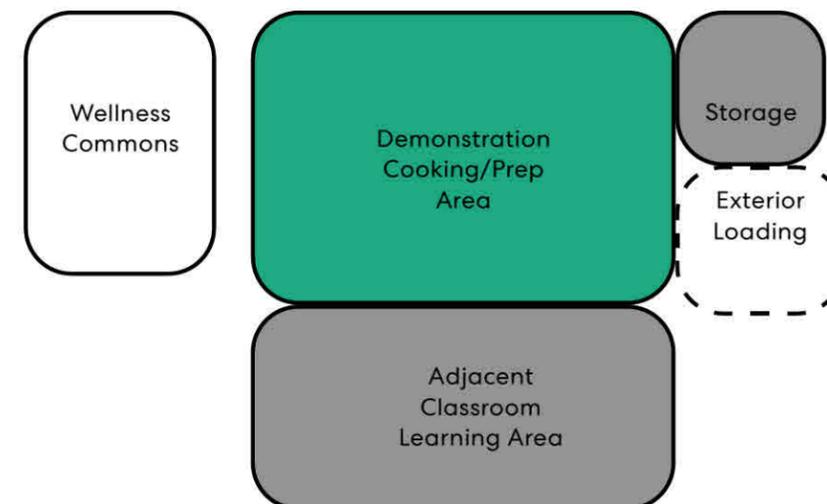
Demonstration/Teaching Kitchen

800 nsf

CONSIDERATIONS

1. Access to exterior loading and trash dumpster
2. Operable partition opens to multi-purpose room
3. Includes dry storage and cooler
4. Modular, moveable kitchen equipment
5. Seating for cooking classes
6. Moveable warming drawer tables
7. Moveable stainless tables (2)
8. Reach-in beverage coolers
9. Rangtop cooking surface and oven
10. 3-compartment sink
11. Commercial dishwasher
12. Hand sinks (2)
13. Mop sink

Adjacency Diagram



Program Diagrams

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Refer to program list for list of typical room types.





Provider Station in Medical Simulation

Section 03.

Clinical Skills

Contents

A 01 Right Sizing the Clinical Skills Center Program

A 02 Program Summary

A 03 Program Detail: Simulation

A 04 Program Detail: Clinical Skills

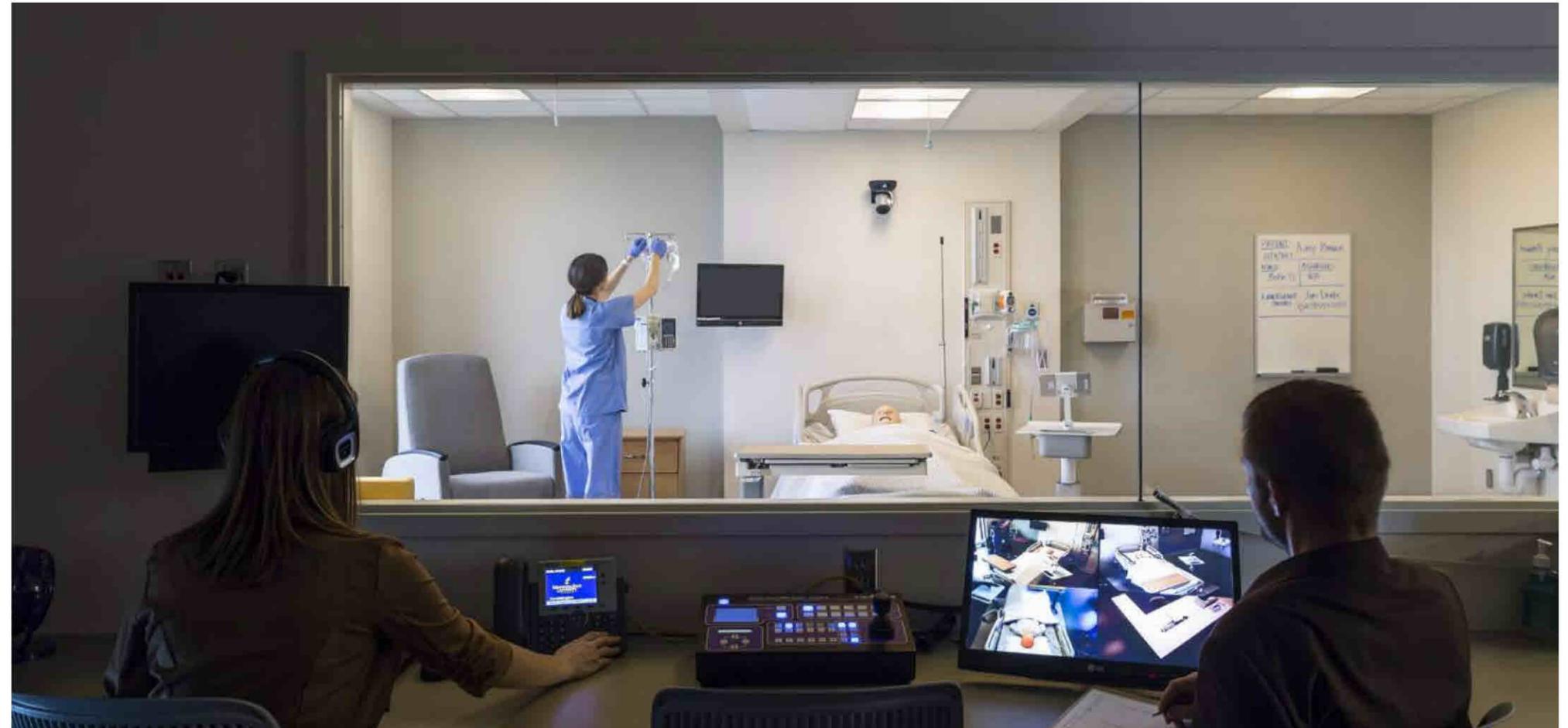
A 05: Program Details: Support Spaces

A 06: Adjacency Diagrams

A 07: Precedent Projects

Clinical Skills Simulation

“By serving as a connector between classroom learning and real-life clinical experience, the Clinical Skills Center helps students build confidence as they learn to interview, diagnose, and treat patients”



Mayo Simulation Center; Jacksonville, FL

Components

A 01 Right Sizing the Clinical Skills Center Program

A 02 Program Summary

A 03 Program Detail: Simulation

A 04 Program Detail: Clinical Skills

A05: Program Details: Support Spaces

A06: Adjacency Diagrams

A07: Precedent Projects

01 Right Sizing the Clinical Skills Program

The Clinical Skills Center in the School of Medicine is a critical amenity in the clinical training and medical education of students. This new facility will have an opportunity to allow for departmental growth, increase partnerships for shared utilization, and create a state-of-the-art facility to increase training capabilities. The Clinical Skills Center will include Standardized Patient Lab, Simulation Lab, Technical Skills Lab, Clinical Instruction Spaces, Workplace, and Student Spaces

User Population:

- Medical School - 200 Cohort (planned for growth)
- Allied Health
- Residency Program

Utilization:

- Close to 100% utilization

Ratios:

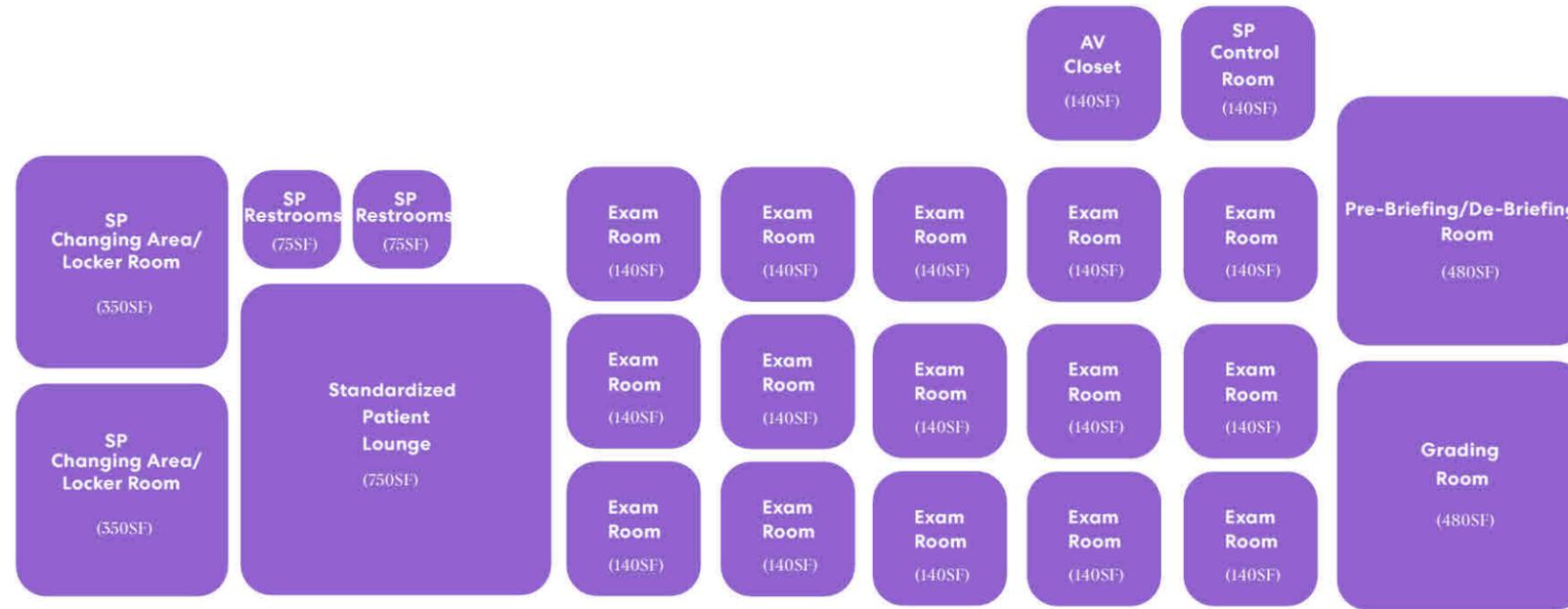
- Simulation Suite: 1:6 or 1:8
- Debrief in Simulation: 1: 10 or 1:12
- Clinical Skills: 1:1 for Standardized Patient (SP) and small group 8/9
- Debrief in Clinical Skills: 1:15



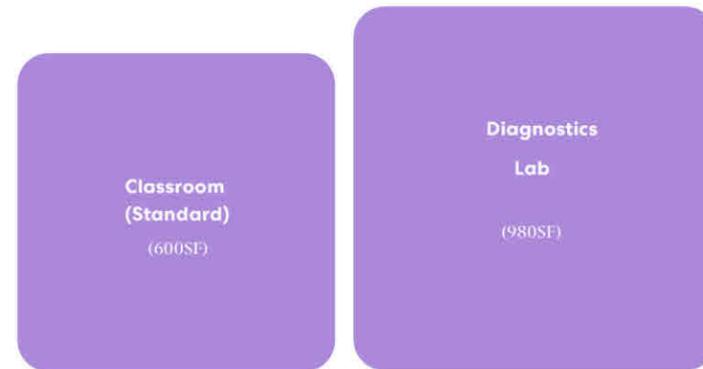
Clinical Skills Simulation

AREA/FUNCTION	PROPOSED AREA		
	No	NSF EACH	TOTAL NSF
1 Clinical Skills Suite			
2 Diagnostics Lab	1	980	980
3 Clinical Exam Room (Standard)	15	140	2,100
4 Large Clinical Exam Rooms	0	280	0
5 SP Control Room	1	140	140
6 Standardized Patient Lounge	1	750	750
7 Standardized Patient Changing Area/Locker Room	2	350	700
8 SP Restrooms	2	75	150
Subtotal NSF			4,820
9 Clinical Instruction			
10 Classroom (Large)	0	1,200	0
11 Classroom (Standard)	50	24	600
12 Classroom (Standard)	1	600	600
13 Pre-Briefing/De-Briefing Room	25	24	480
14 Grading Room	1	480	480
15	1	480	480
Subtotal NSF			1,560
16 Support			
17 Moulage Storage	1	140	140
18 Soiled Storage	1	140	140
19 Clean Storage	1	140	140
20 AV Closet	1	140	140
Subtotal NSF			560
Total NSF			6,940

Clinical Skills Suite



Clinical Instruction



Support

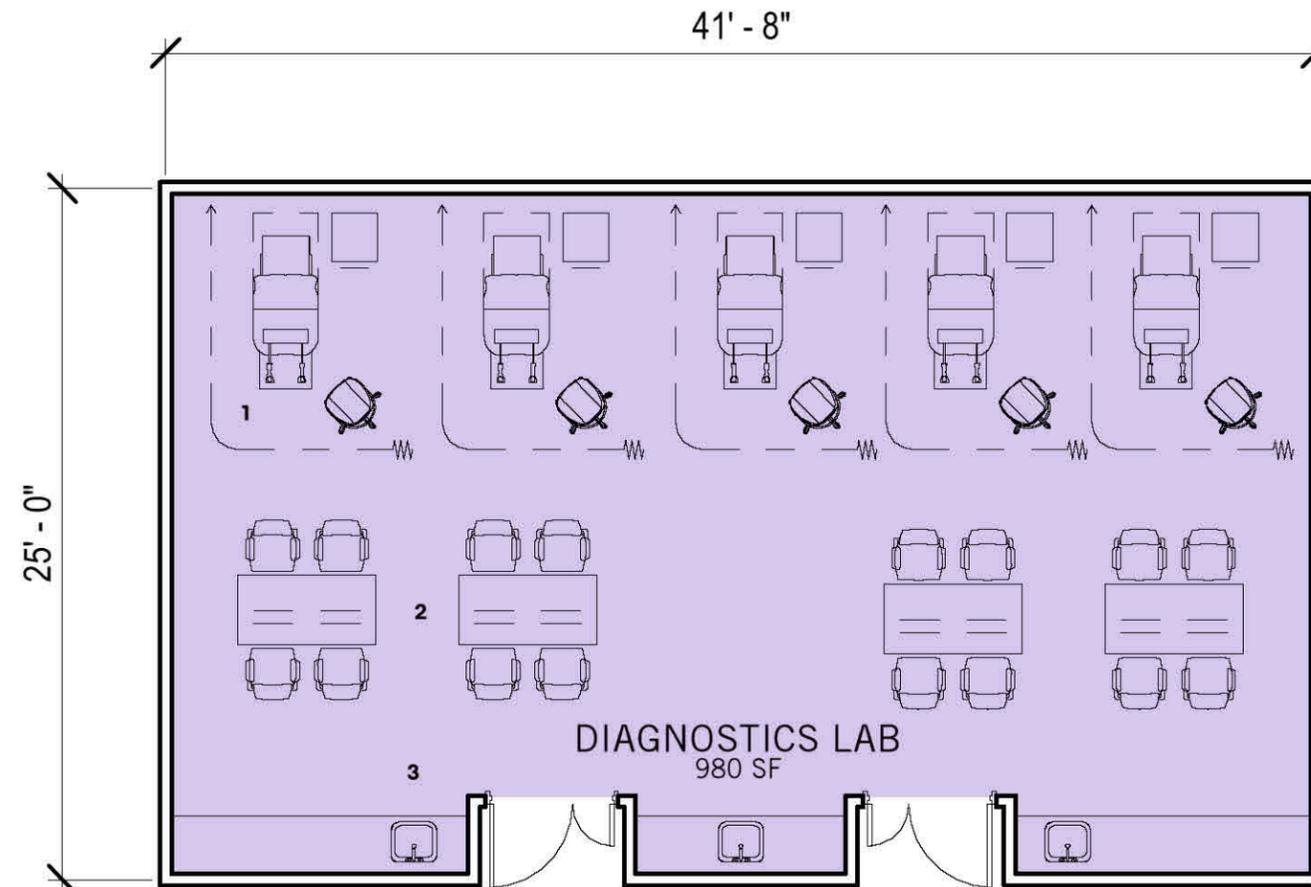


Program Diagrams

The footprints delineated here graphically represent the spaces included in the Clinical Skills program. In order to thoughtfully organize these programs into a functional and cohesive solution, it is useful to visually represent the range of scale and uses proposed.



Physical Diagnosis Lab



Physical Diagnosis Lab

CONSIDERATIONS

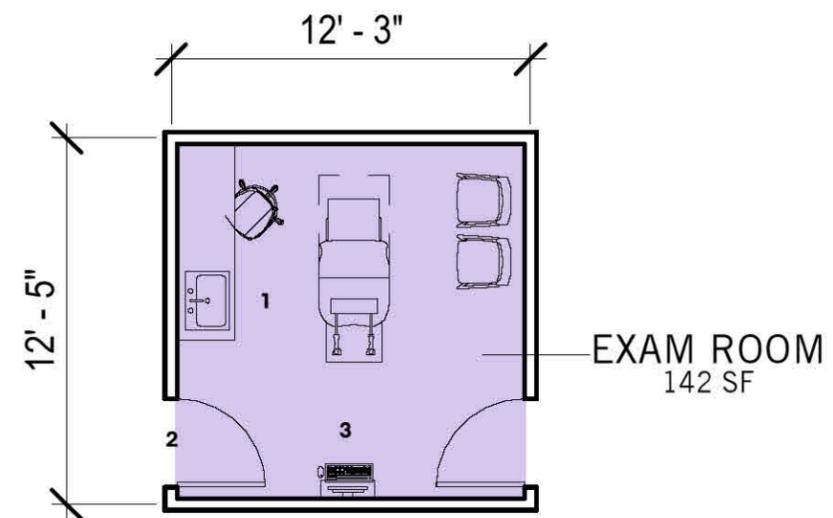
1. (5) Six diagnostic patient workstations w/ privacy curtains
2. Breakout tables for small group learning. (16 seats)
3. Built-in cabinetry w/ handwash stations. (3 total)

Program Diagrams

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Exam Room



Exam Room

CONSIDERATIONS

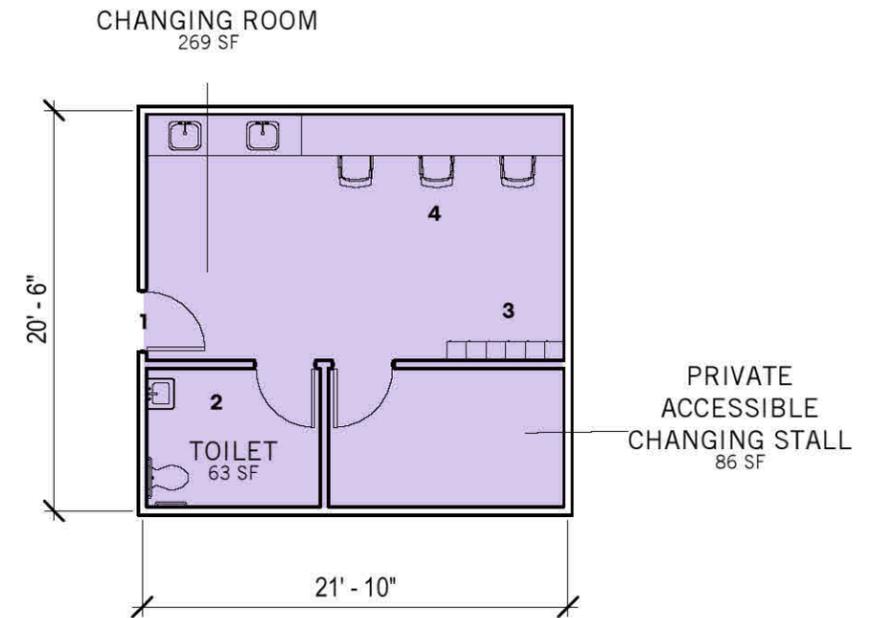
1. Built-in cabinetry with handwashing station
2. Separate entrance from patient and provider
3. Wall Mounted computer station

Program Diagrams

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Changing Room



Changing Room

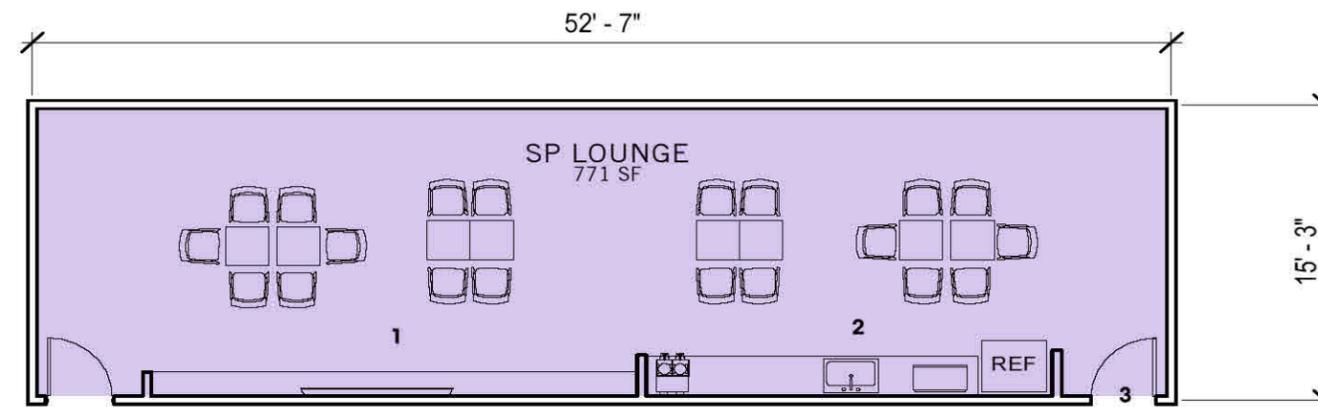
CONSIDERATIONS

1. Changing room located within standardized patient suite
2. Dedicated restrooms for standardized patients
3. Day Lockers. (12 per changing room/ 24 total)
4. (3) Seated vanity stations

Program Diagrams

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Standardized Patient Lounge



Standardized Patient Lounge

CONSIDERATIONS

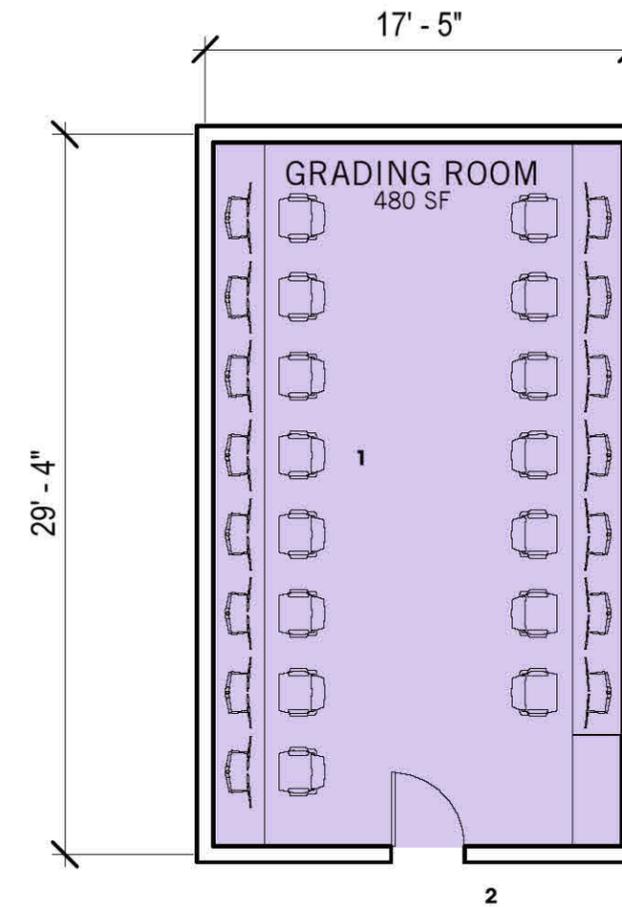
1. Credenza with display monitor mounted above
2. Kitchenette (Refrigerator, coffee station, sink, microwave)
3. Accessible withing crossing the provider path of travel
4. Capacity - 20 ppl

Program Diagrams

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Grading Room



Grading Room

CONSIDERATIONS

1. (15) Fifteen dual monitor workstations (Workstations to match number of clinical exam rooms)
2. Located adjacent to clinical exam rooms

Program Diagrams

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Simulation Graphic Program

AREA/FUNCTION	PROPOSED AREA		
	No	NSF EACH	TOTAL NSF
Simulation			
1 Adult Simulation Room	2	280	560
2 Pediatric Simulation Room	1	280	280
3 Operation Room Simulation	0	560	0
4 OB/GYN Simulation Room	1	560	560
5 Neonatal Simulation Room	1	280	280
6 Low Fidelity Hospital Ward (4 Bed)	1	980	980
7 FES Testing Room	1	280	280
8 FLS Testing Room	1	280	280
9 FLS/FES Training Room	1	420	420
10 Ultra Sound Training	1	980	980
12 Pre-Briefing/De-Briefing Rooms	2	480	960
13 Harvey Clinical Exam Room	1	980	980
14 Simulation Control Room	3	250	750
Subtotal NSF			7,310
Lab			
15 Procedural Skills Lab	4	1,400	5,600
16 Technical Skills Lab	1	1,260	1,260
Subtotal NSF			6,860
Support			
17 Simulation Prep Area w/sink	1	280	280
18 Provider Area	1	380	380
19 Sp Restrooms	1	75	75
20 Procedural Skills Lab Storage	2	420	840
21 Equipment Storage	1	420	420
Subtotal NSF			1,995
Total NSF			16,165

Program Diagrams

The footprints delineated here graphically represent the spaces included in the Clinical Skills program. In order to thoughtfully organize these programs into a functional and cohesive solution, it is useful to visually represent the range of scale and uses proposed.

Simulation

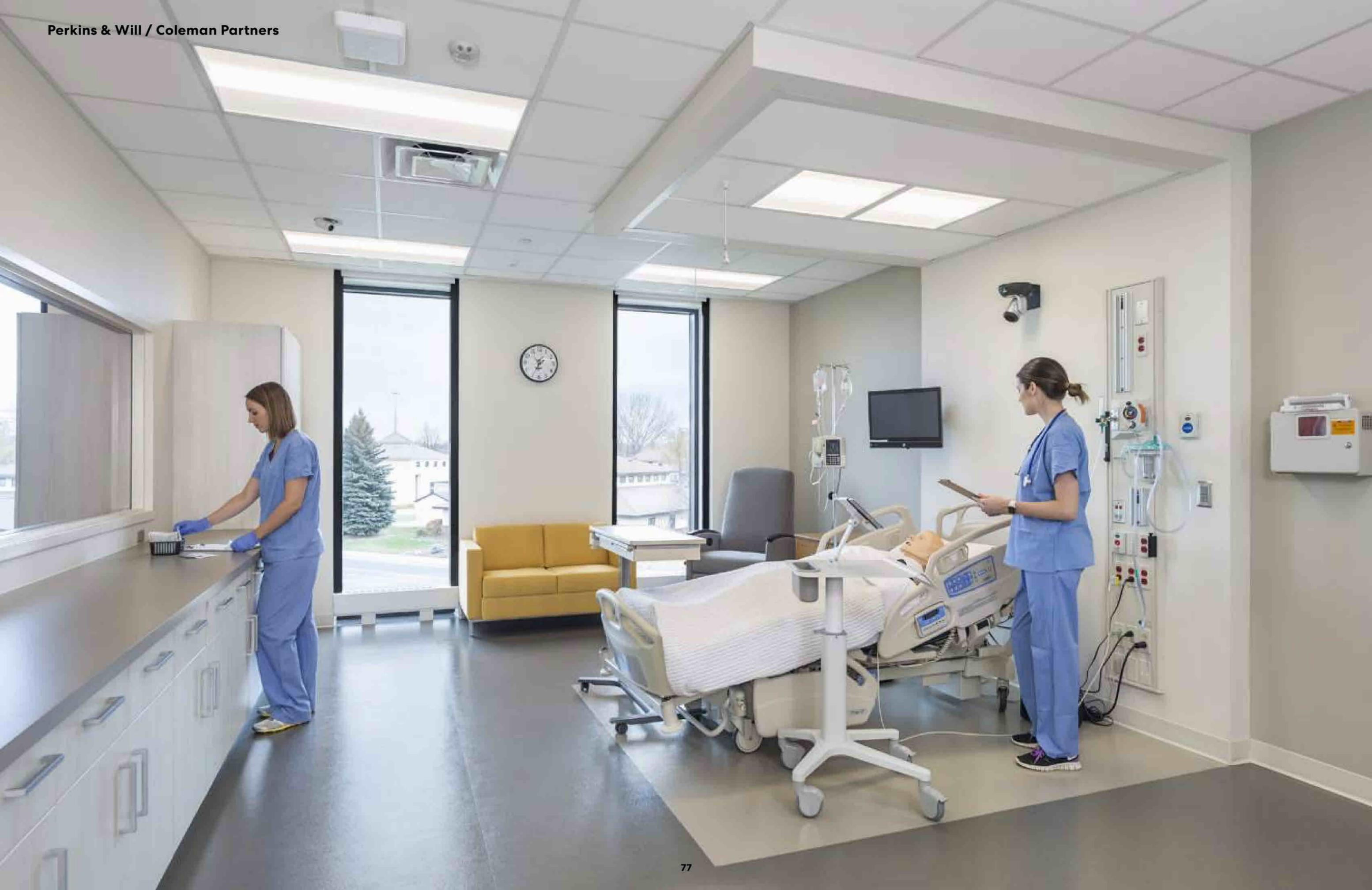


Labs

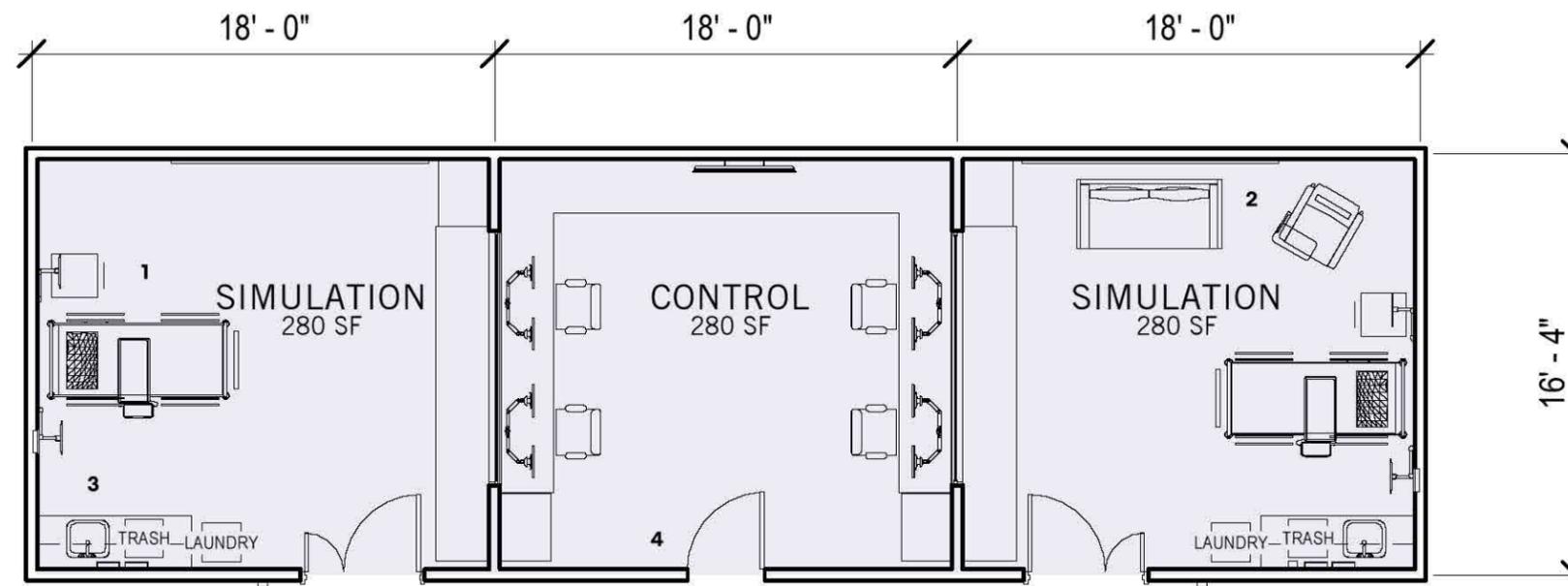


Support





Simulation w/ Control



Simulation

CONSIDERATIONS

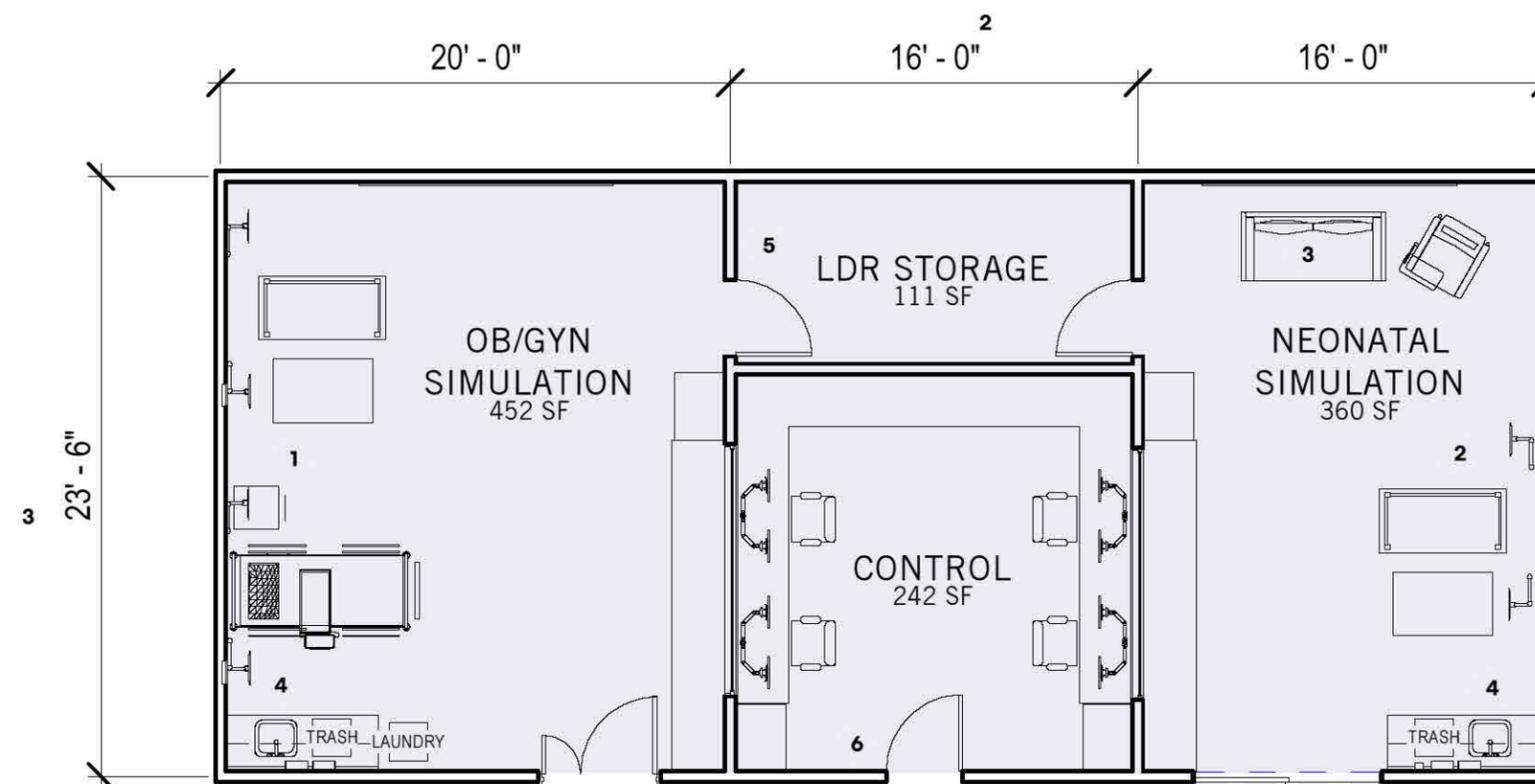
1. (1) One headwall provided w/ standard patient bed
2. Family Lounge Area
3. Built-in cabinetry w/ handwashing station
4. Shared control room w/ dual monitor workstations

Program Diagrams

All diagrams and drawings contained herein are intended to illustrate the relationships involved, and are provided as an example to augment the text. The design team does not consider any of the diagrams as a design directive.



OB/GYN Sim & Neonatal Sim



OB/GYN Simulation & Neonatal Simulation

CONSIDERATIONS

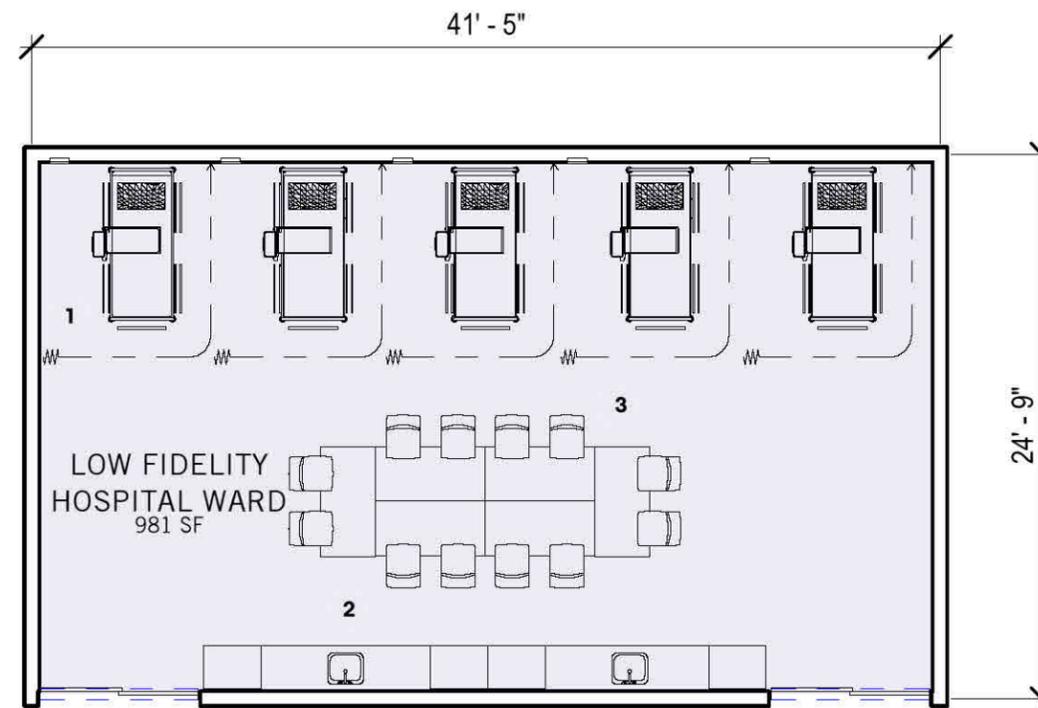
1. OB/GYN Simulation - (2) Two headwalls - (1) one with standard patient bed & (1) one with (1) one baby warmer (1) one crib
2. Neonatal Simulation - (1) One headwall - (1) one baby warmer & (1) one crib
3. Family Lounge Area
4. Built-in cabinetry with handwash station
5. Shared storage connecting both simulation rooms
6. Shared control room with (4) four dual monitor workstations

Program Diagrams

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Low Fidelity Hospital Ward



Low Fidelity Hospital Ward

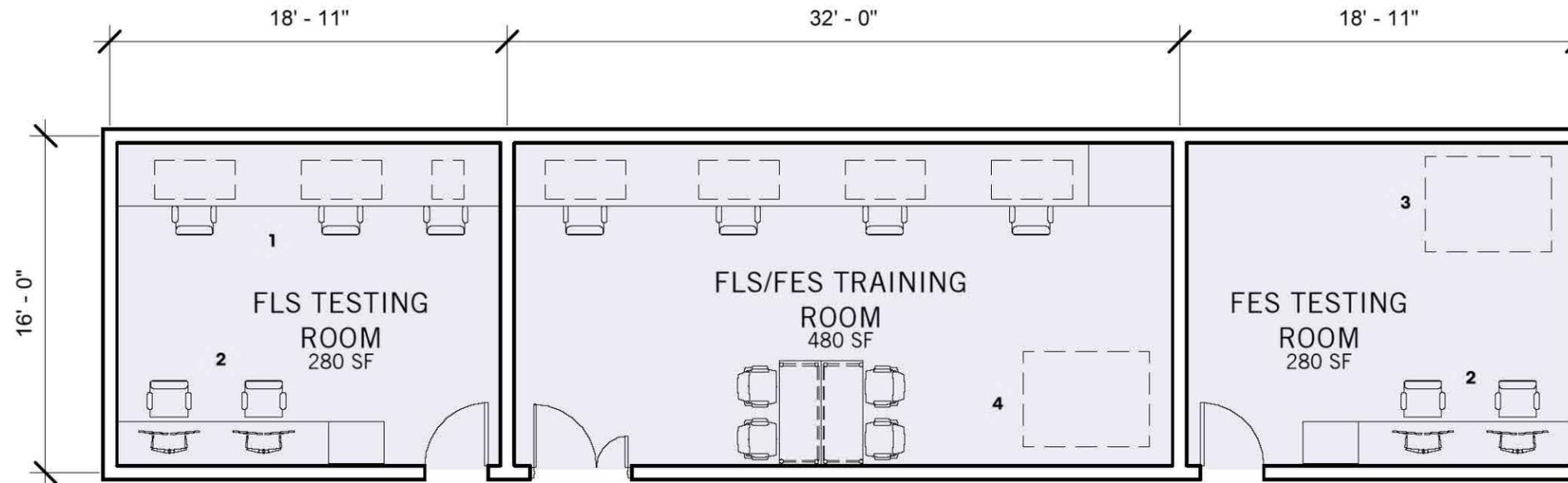
CONSIDERATIONS

1. (4) Four patient bed with privacy curtain
2. Built-in cabinetry with sink
3. Flexible training tables
4. Capacity - 20 ppl

Program Diagrams

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FLS/FES Testing & Training Suite



FLS/FES Testing & Training Suite

CONSIDERATIONS

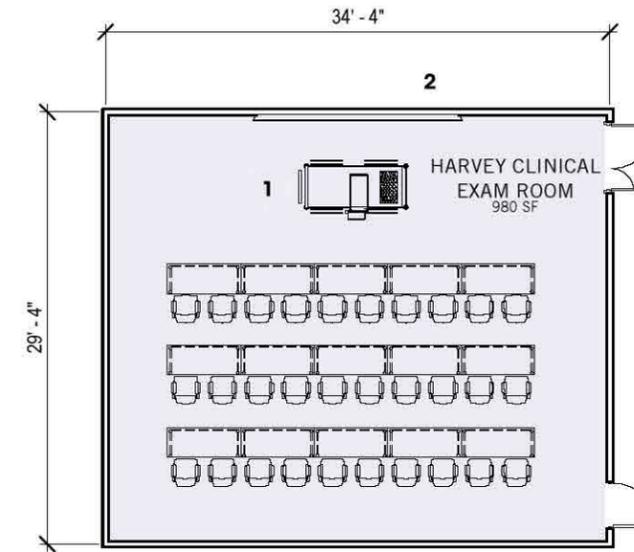
1. FLS Testing Room - (2) Two trainer box, (1) One Bronchoscopy Simulator
2. FLS & FES Testing - (2) Two dual monitor workstations w/ tall storage cabinet
3. FES Testing Room - (1) One Simbionix GI Simulator
4. FLS/FES Training Room - (4) Four trainer boxes, (1) One GI/Bronchoscopy Simulator
5. FLS/FES Training Room capacity 6-8 ppl

Program Diagrams

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Harvey Clinical Exam Room



Harvey Clinical Exam Room

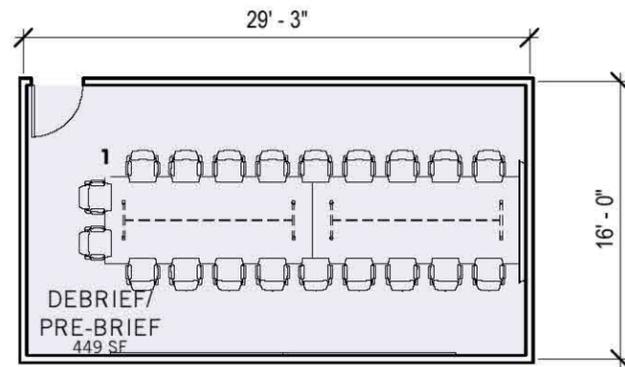
CONSIDERATIONS

1. Patient Bed for Harvey Mannaquin
2. Display monitor with writable surface
3. Capacity - 30 ppl

Program Diagrams

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Prebrief/Debrief Room



Debrief/Prebrief Room

CONSIDERATIONS

1. Conference table with presentation capabilities and display monitor
2. Capacity - 20 ppl

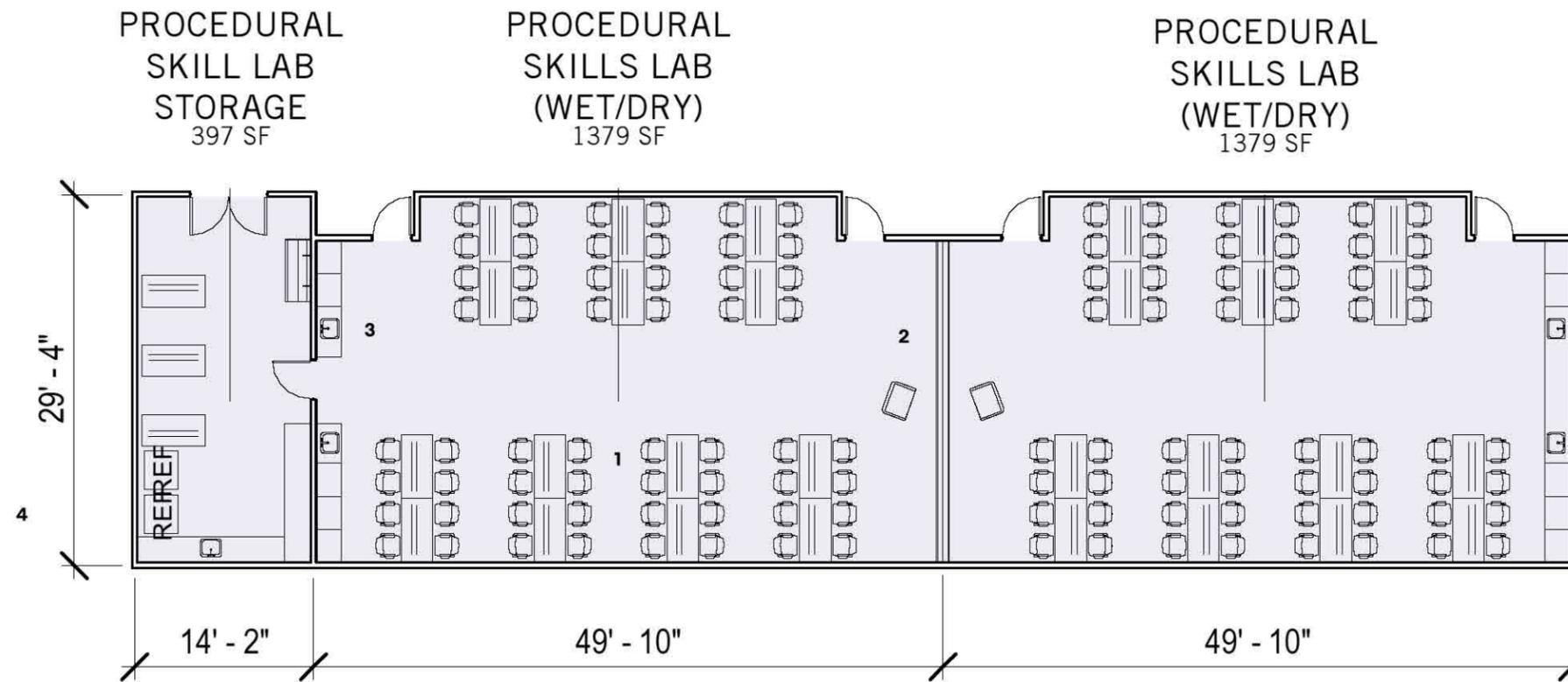
Program Diagrams

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Procedural Skills Lab



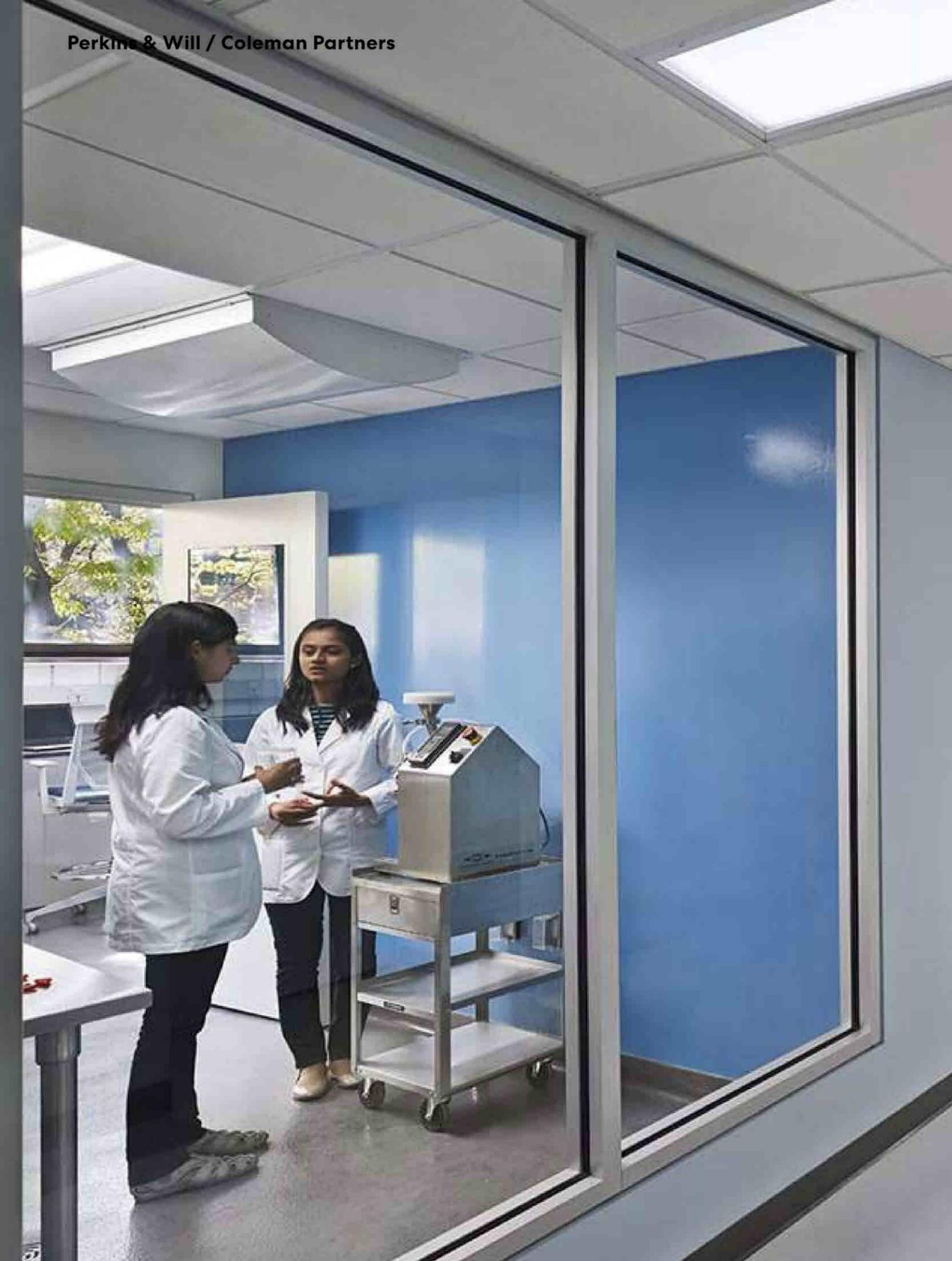
Procedural Skills Lab

CONSIDERATIONS

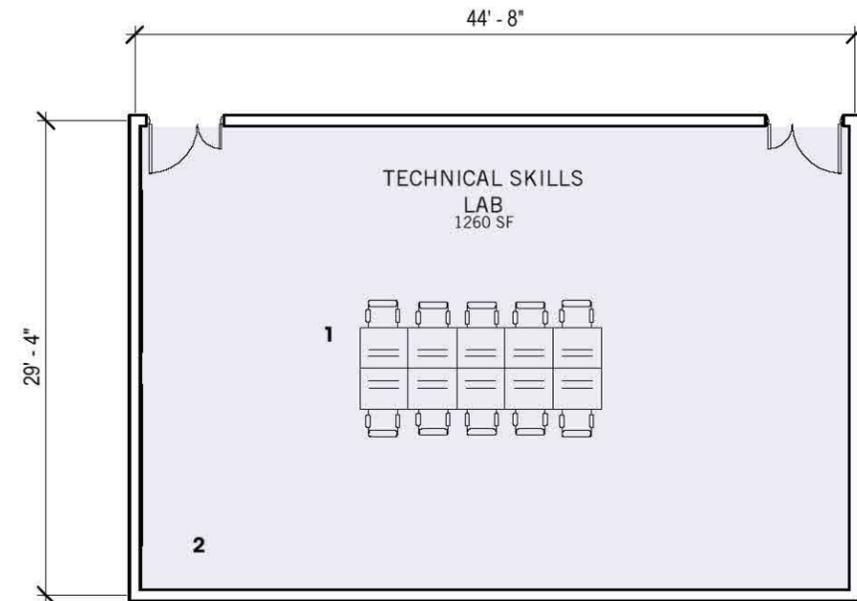
1. (56) Fifty-six workstations
2. Foldable partition between adjacent labs
3. Built-in cabinetry with sinks
4. Capacity - 40 to 50 ppl

Program Diagrams

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Technical Skills Lab



Technical Skills Lab

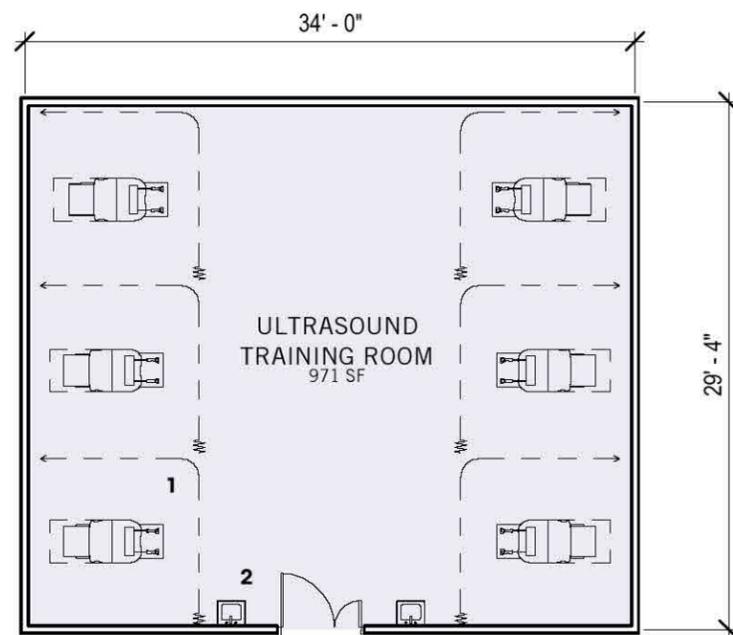
CONSIDERATIONS

1. (12) Twelve movable training tables
2. Reserve space for multiple simulators (surgical, laparoscopic, endoscopic)
3. Capacity - 15 to 20 ppl

Program Diagrams

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Ultrasound Training Room



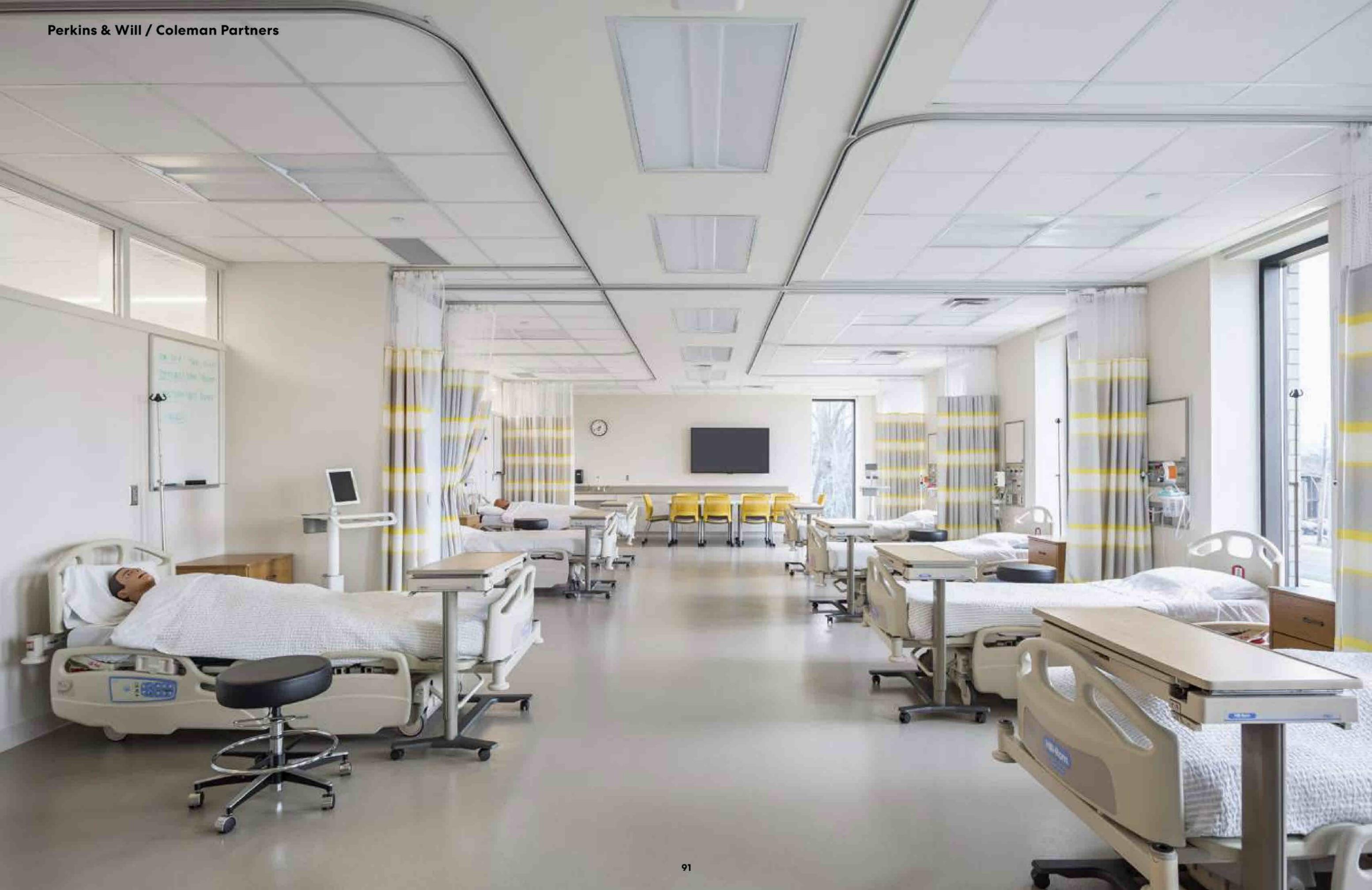
Ultrasound Training Room

CONSIDERATIONS

1. (6) Six clinical bed stations w privacy curtains
2. Handwash sinks located directly inside room entrance
3. Capacity - 40 to 50 ppl

Program Diagrams

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Clinical Skills/Simulation Shared Spaces

AREA/FUNCTION	PROPOSED AREA		
	No	NSF EACH	TOTAL NSF
Student Spaces			
1 Shared Simulation/Clinical Skill Reception	1	550	550
2 Student Lounge	1	350	350
Subtotal NSF			900
Staff Spaces			
3 Staff Conference Room	1	490	490
Meeting Space	14	35	
4 Offices, Staff	10	120	1,200
5 Kitchen/ Breakroom	1	350	350
Subtotal NSF			2,040
Support			
6 Storage	1	250	250
Subtotal NSF			250
Total NSF			3,190

Program Diagrams

The footprints delineated here graphically represent the spaces included in the Clinical Skills program. In order to thoughtfully organize these programs into a functional and cohesive solution, it is useful to visually represent the range of scale and uses proposed.

Student Spaces

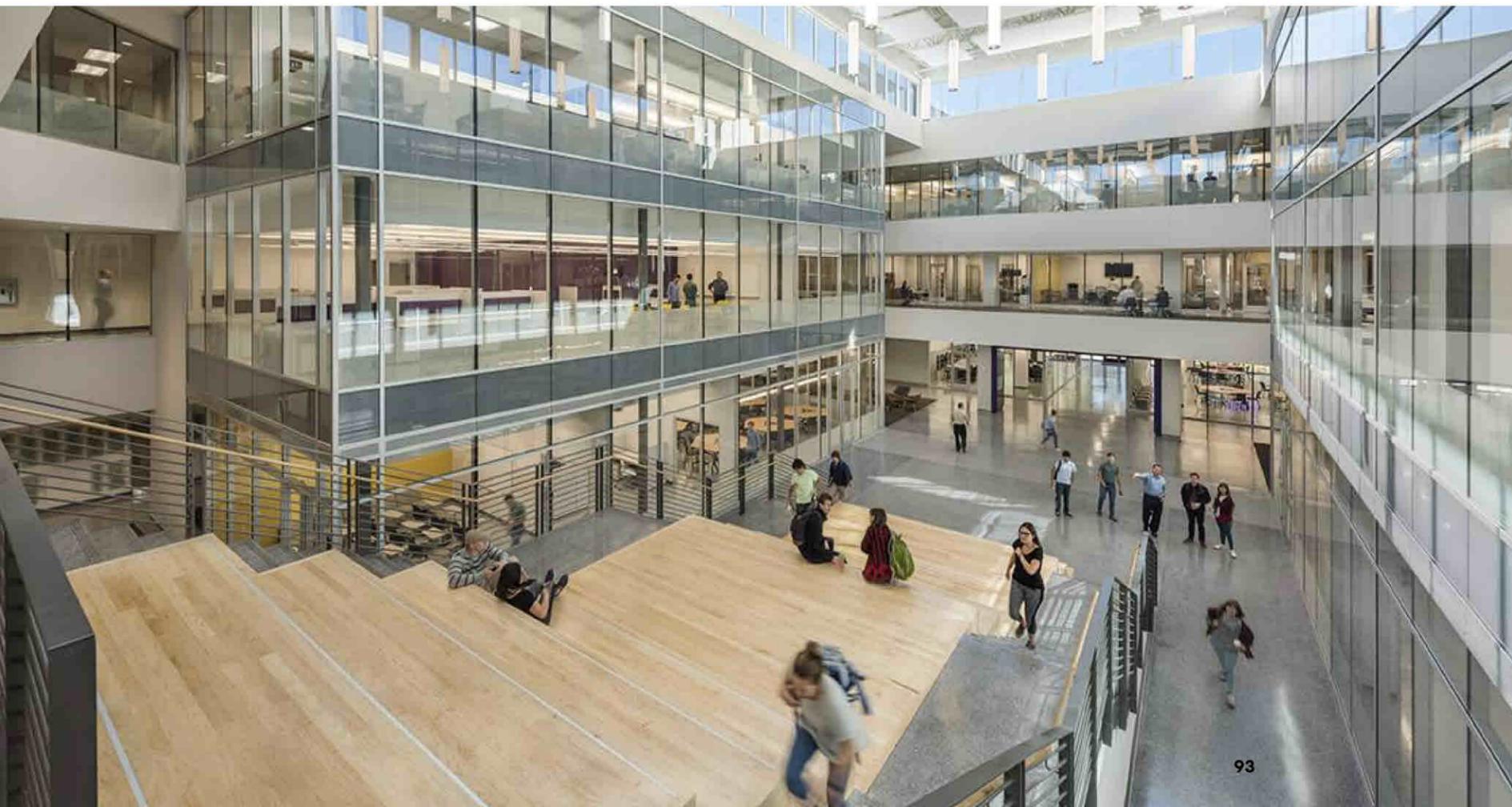
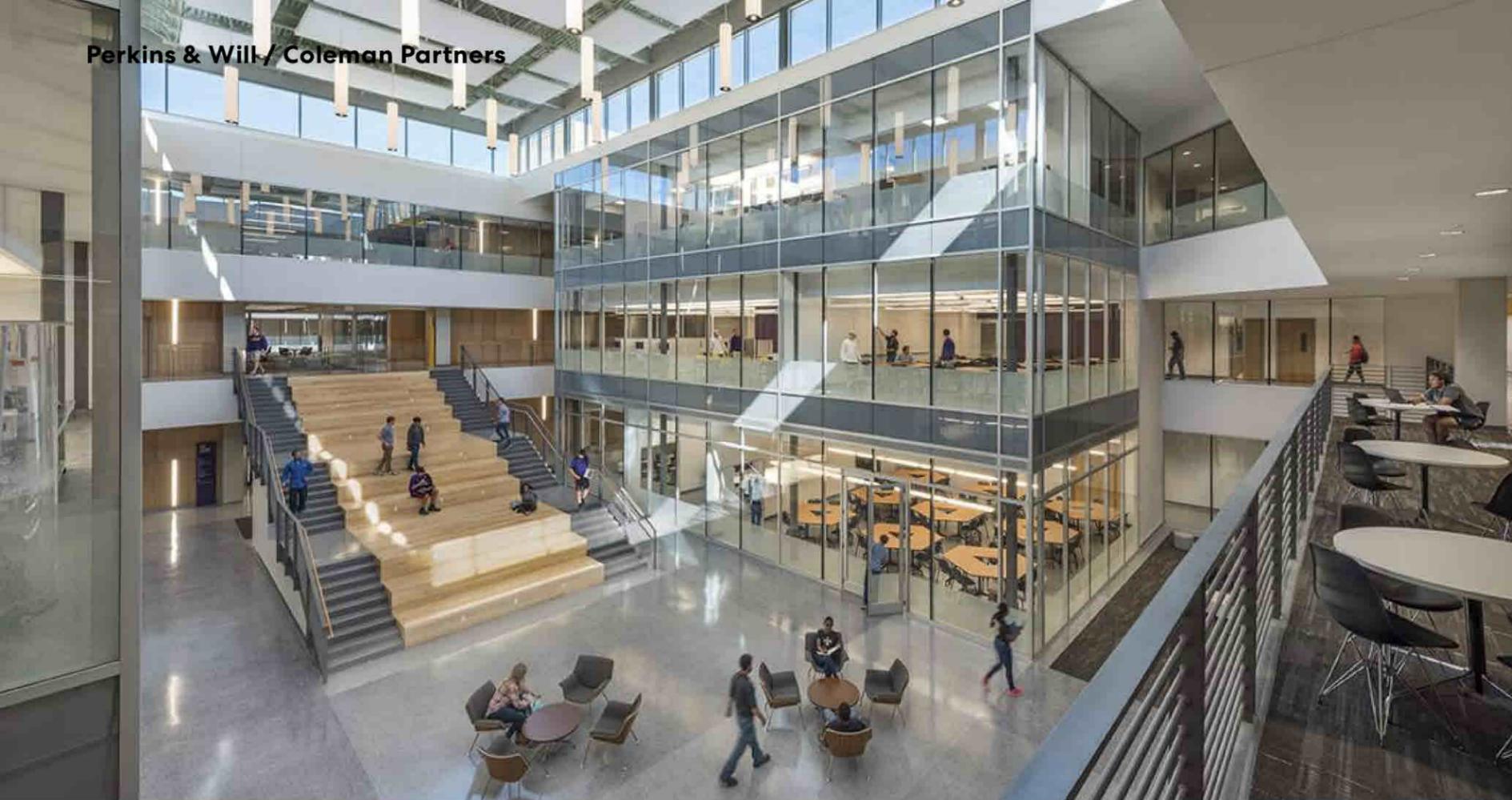


Staff Spaces



Support





Louisiana State University,
Patrick F. Taylor Hall

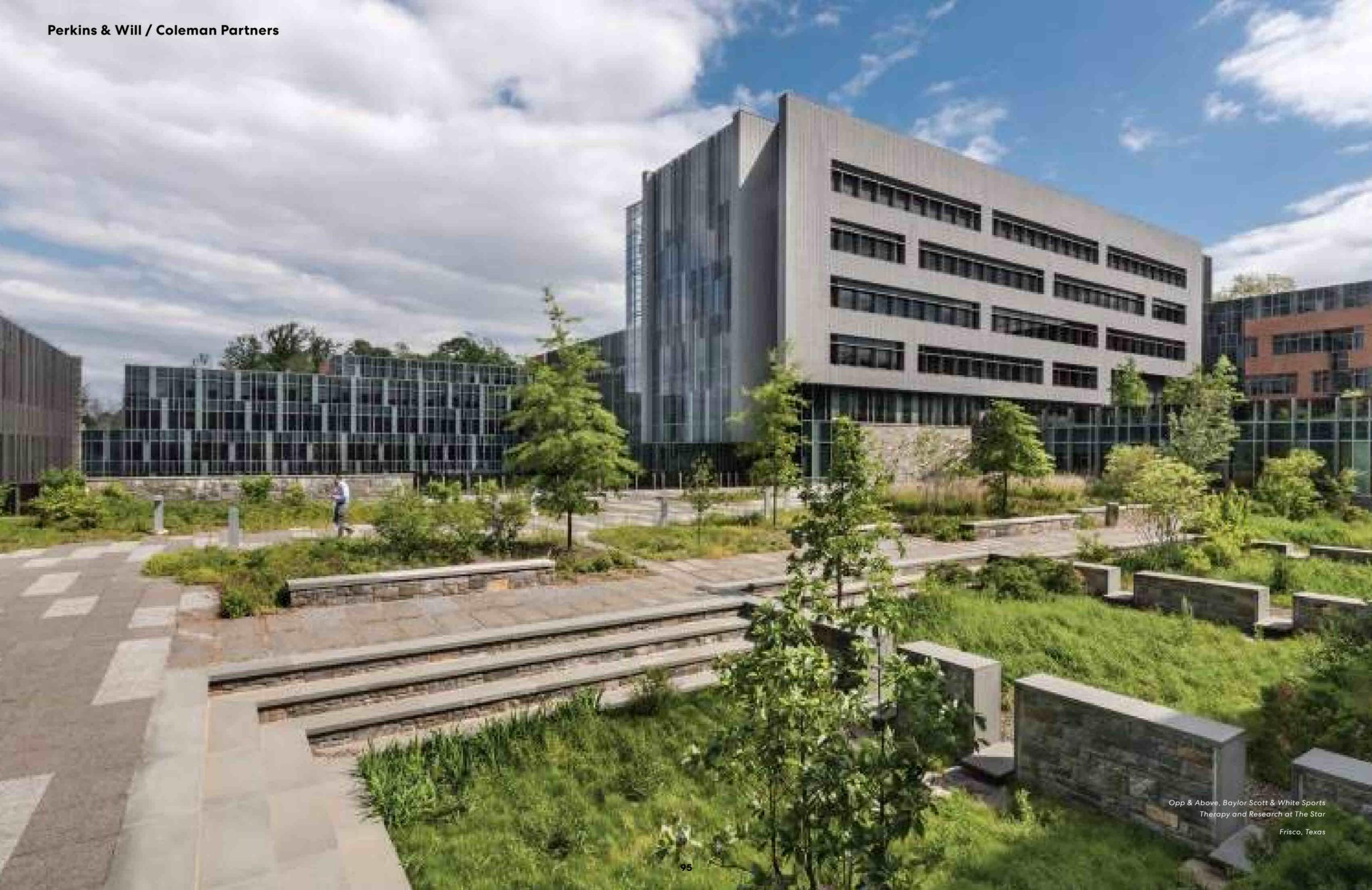
Section 04.

Block & Stack

Contents

Programmatic Adjacencies

Bulding Program Summary (For Reference)



*Opp & Above, Baylor Scott & White Sports
Therapy and Research at The Star*

Frisco, Texas

Programmatic Stacking Studies

Program Stack 1

26,035	3	Smulation 15,905				CS Simulation 6,940				CS Admin 3,190			
23,995	2	Instruction + Support 9,540				Assembly 1 4,800		Assembly 2 4,800		A+M Edu 3,080		SUPPORT 1,775	
35,575	1	Gymnasium 4,780		Wellness 6,200		Fitness + Group Exercise 10,725				Food & Dining 5,950		LOADING 420	Auditorium 7,500
85,605													

Program Stack 2

26,035	3	Smulation 15,905				CS Simulation 6,940				CS Admin 3,190			
29,920	2	Fitness + Group Exercise 10,725				Instruction + Support 9,540				Assembly 2 4,800		A+M Edu 3,080	SUPPORT 1,775
29,650	1	Gymnasium 4,780		Wellness 6,200		Auditorium 7,500				Assembly 1 4,800		Food & Dining 5,950	LOADING 420
		29,953				52,254							
85,605													

Program Stack 3

26,035	3	Smulation 15,905				CS Simulation 6,940				CS Admin 3,190			
29,900	2	Fitness + Group Exercise 10,725				Gymnasium 4,780		A+M Edu 3,080		Instruction + Support 9,540		SUPPORT 1,775	
29,670	1	Wellness 6,200		Food & Dining 5,950		Assembly 1 4,800		Assembly 2 4,800		Auditorium 7,500		LOADING 420	
85,605													
1.38													
118,135													

Programmatic Adjacencies

Site Expansion

~100,000 Sf Site
~2.2 Acres

~39K Building Footprint

~140,000 Sf Site
~3.2 Acres

Program Stack 1

LVL 3

Sim/ Clinical Skills Sim/ Clinical Skills Admin

LVL 2

Med Edu Admin, Small Instruction, Assembly 2

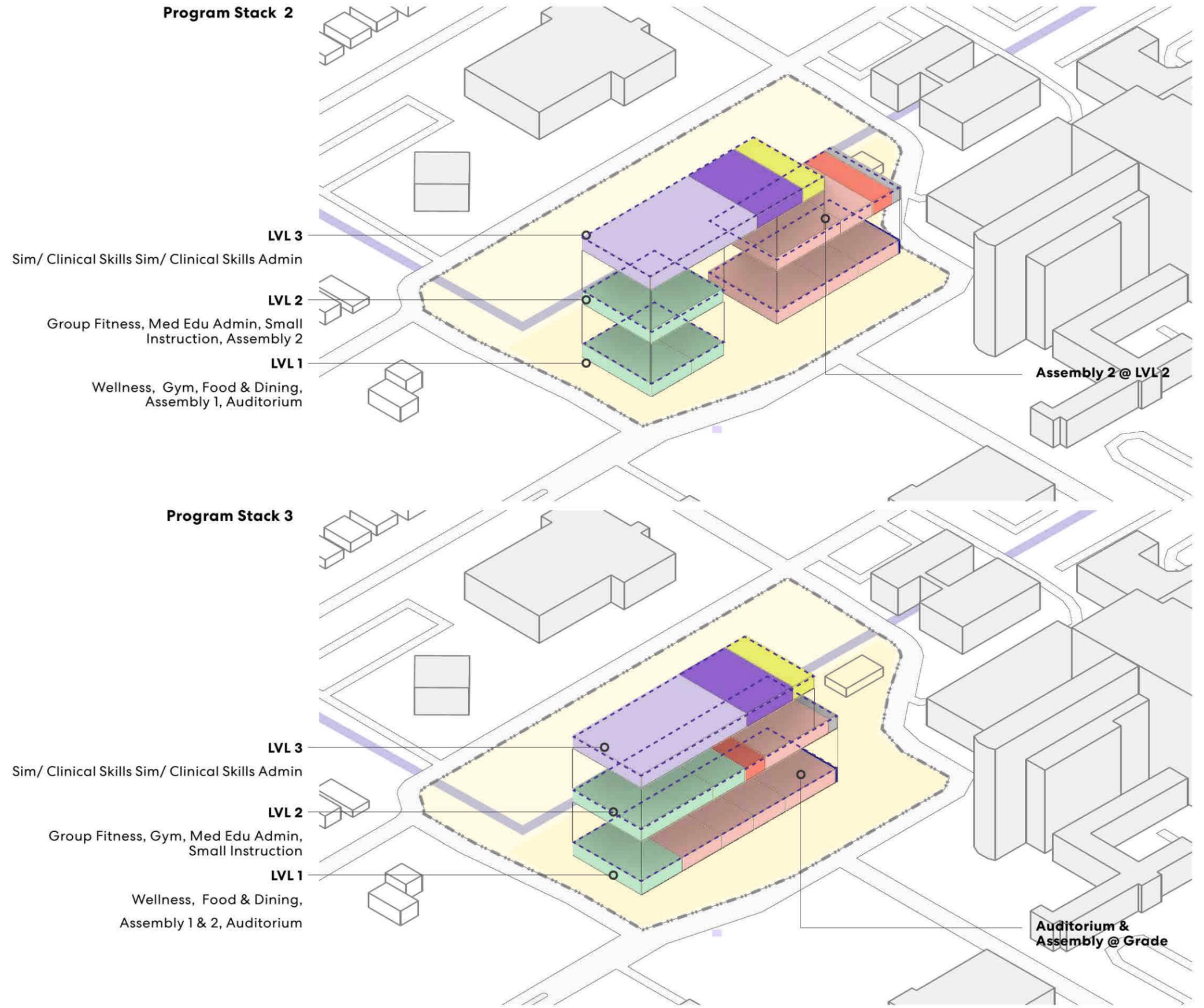
LVL 1

Gym, Wellness, Group Fitness, Food & Dining, Auditorium

Auditorium

Program Diagrams

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Program Diagrams

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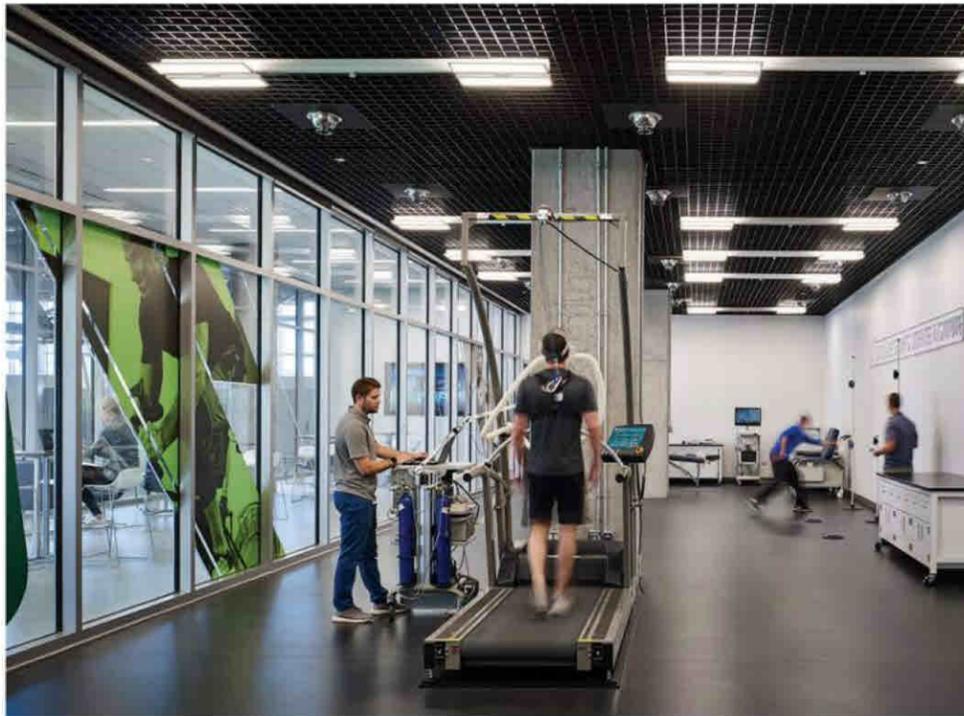
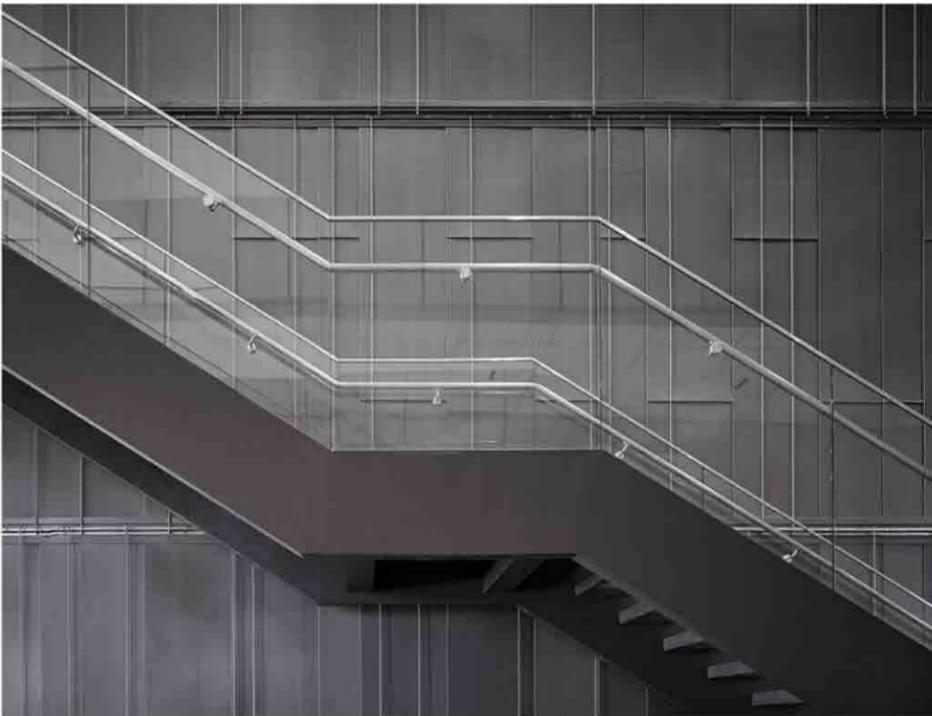
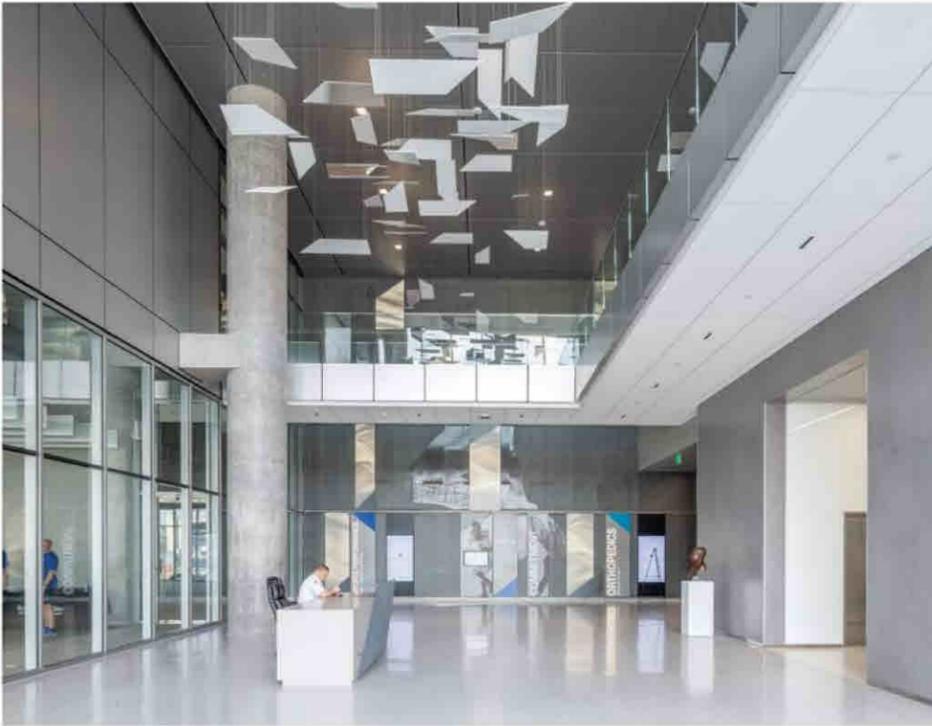
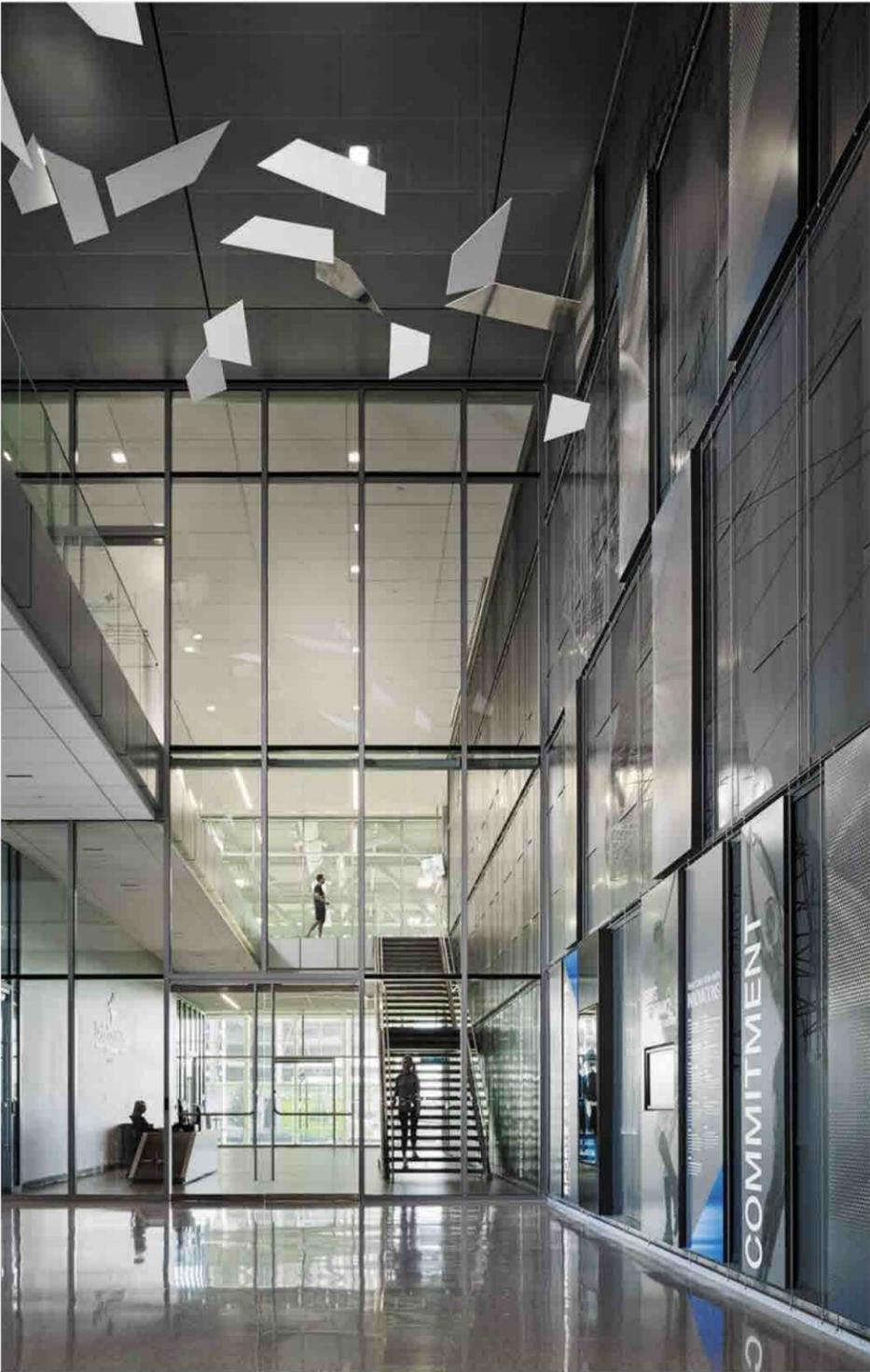


Section 05.

Cost Analysis

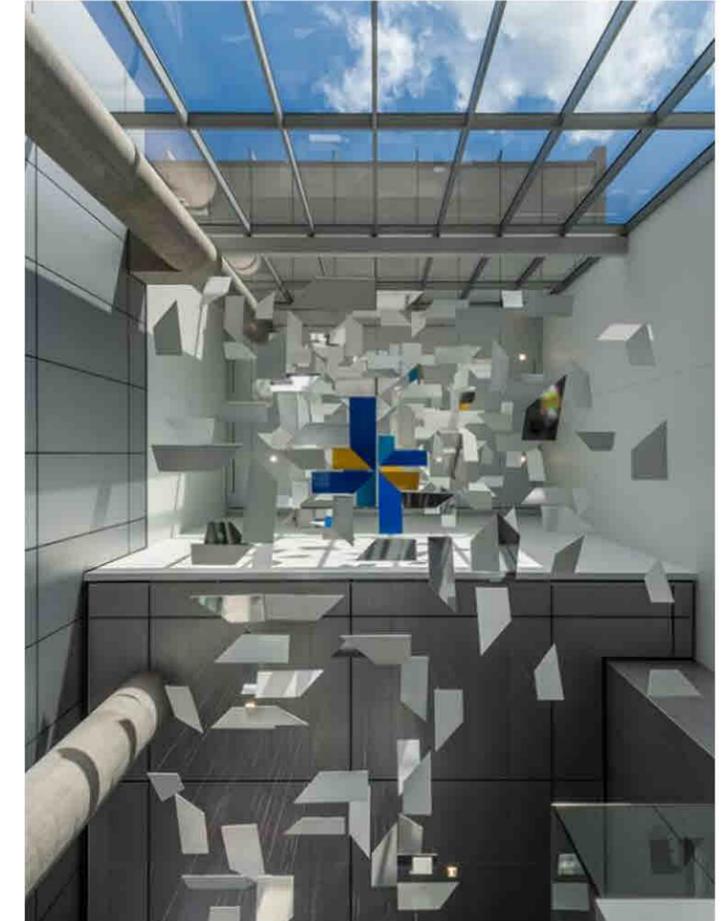
Contents

Cost Analysis



Cost Analysis

Cost Analysis		
		Current
Academic Affairs/ Medical Education		3,080
Instructional Spaces		32,590
Wellness Center		21,705
Clinical Skills Simulation		6,940
Simulation		16,165
Clinical Skills/Simulation Admin Area		3,190
Building Support Areas		2,195
Programmed Area		85,865
Grossing Factor	1.38	32,629
Total Gross Area		118,494
Shell Space Net		0
Grossing factor	1.38	0
Total Shell Area		0
Building Total Gross		118,494
Budget		
AFC		\$ 46,585,000
Cost / SF	\$325	
Program Area Cost		\$ 38,510,453
Site Cost		\$ 2,500,000
Subtotal		\$ 41,010,453
Available Funds for Shell		\$ 5,574,548
Shell cost /SF	\$190	
Gross Shell Area		29,340
Grossing factor	1.38	8,079
Shell Net Area		21,261
Total Building Area		147,833
Cost /SF		\$ 315.12



Opp & Above, Baylor Scott & White Sports Therapy and Research at The Star
Frisco, Texas



Appendix

Contents

Previous Program

Previous Budget

Site Plan

Meeting Minutes

Previous Program

Space List

Meeting Areas	Auditorium	7,500	1	7,500	
	Assembly Hall / Large Classroom (250-275 Students)	4,125	2	8,250	
	Small Group Rooms for 15 people (Can be part of a larger room which is subdivided)	450	15	6,750	
	Student Lockers (450 Lockers)	675	1	675	
	Food Service/Deli Area	600	1	600	
	Dining Area	900	1	900	
	Catering Kitchen	1,500	1	1,500	
	Commons (Quiet Student Study Area)	750	1	750	
	Student Lounge / Recreational Area (Noisy)	750	1	750	
	Storage	200	4	800	
	Chair/Table Storage	500	1	500	
	Restrooms	450	2	900	
	UPD/Security	150	1	150	
	Donor Area	250	1	250	
	Faculty Club	2,500	1	2,500	
	Vending Area	200	1	200	
	Wellness Center	Work Out Area	7,400	1	7,400
		Fitness Studio	1,700	1	1,700
		4 Lane Lap Pool	4,750	1	4,750
		Pool Equipment Area	600	1	600
Men's Locker Room		1,000	1	1,000	
Women's Locker Room		1,000	1	1,000	
Entry/Lobby		400	1	400	
Day Care		950	1	950	
Equipment Storage		500	1	500	
Laundry		125	1	125	
Staff Offices	120	2	240		
Academic Affairs/ Medical Education	Medical Education - Office/Reception Area	170	1	170	
	Medical Education - Curriculum Director	160	1	160	
	Medical Education - MOD 1 Director	160	1	160	
	Medical Education - Coordinator Offices	160	1	160	
	Faculty Offices	150	6	900	
	Faculty Lounge	350	1	350	
	Medical Education & Student Affairs - Staff Conference Room	350	1	350	
	Student Affairs - Large Office/Reception	170	1	170	
	Student Affairs - Dean	170	1	170	
	Student Affairs - Director	160	1	160	
	Student Affairs - Coordinator	160	1	160	
	Restrooms	62	2	124	
	IT Support Office + Service Counter	150	1	150	
	Storage	75	1	75	
	Breakroom / Kitchen	500	1	500	

Clinical Skills Area	Clinical Exam Rooms (Large for small group Physical Exams)	150	4	600
	Clinical Exam Rooms	150	4	600
	SP Control Room	1,000	1	1,000
	Standardized Patient Lounge	1,000	1	1,000
	Standardized Patient Changing Area/Locker Room	400	2	800
	Large Clinical Exam Rooms	400	6	2,400
	Classrooms (For 50 people)	1,250	2	2,500
	Student Waiting/Holding Area	500	1	500
	Restrooms	450	2	900
	Soiled Storage	200	1	200
	Clean Storage	200	1	200
	Simulation Area	Operating Room	400	1
Adult Room		400	2	800
Pediatric Room		400	1	400
OB/GYN Room (220 SF for typ room/440 SF for Csection)		440	1	440
Connecting Neonatal Room		220	1	220
Student Waiting/Holding Area		500	2	1,000
Low Fidelity Hospital Ward (4 Bed)		1,000	1	1,000
Debriefing Rooms		500	3	1,500
Harvey Clinical Exam Room		500	1	500
Simulation Control Room		300	2	600
Simulation Storage		750	1	750
Large Skills Lab		750	2	1,500
Skills Lab		500	2	1,000
Skills Lab Storage		750	1	750
Restrooms		450	2	900
Administrative Area	Staff Offices	150	10	1,500
	Staff Conference	1,000	1	1,000
	Staff Restroom	62	2	124
	Staff Storage	250	1	250
	Staff Breakroom/Kitchen	500	1	500
Sub-Total Net Area				81,233
Gross Factor (Circulation/Structure/MEP)		35%		28,432
Total Gross Area				109,665

Support Spaces				
	Data Closet	100	3	300
	AV Closet	100	1	100
	Elevators	160	3	480
	Janitor	100	3	300
	Mechanical/Electrical	500	2	1,000
	Loading Dock	300	1	300
Sub-Total Net Area				2,480
Gross Factor (Circulation and Structure)		35%		868
Total Gross Area				3,348
	Expansion Space (Entire Story)	37,000	2	74,000
Total Building Gross Area				187,013

Previous Budget

Opinion of Probable Construction Cost - 5 Story Option w/ 2 Shelled Floors

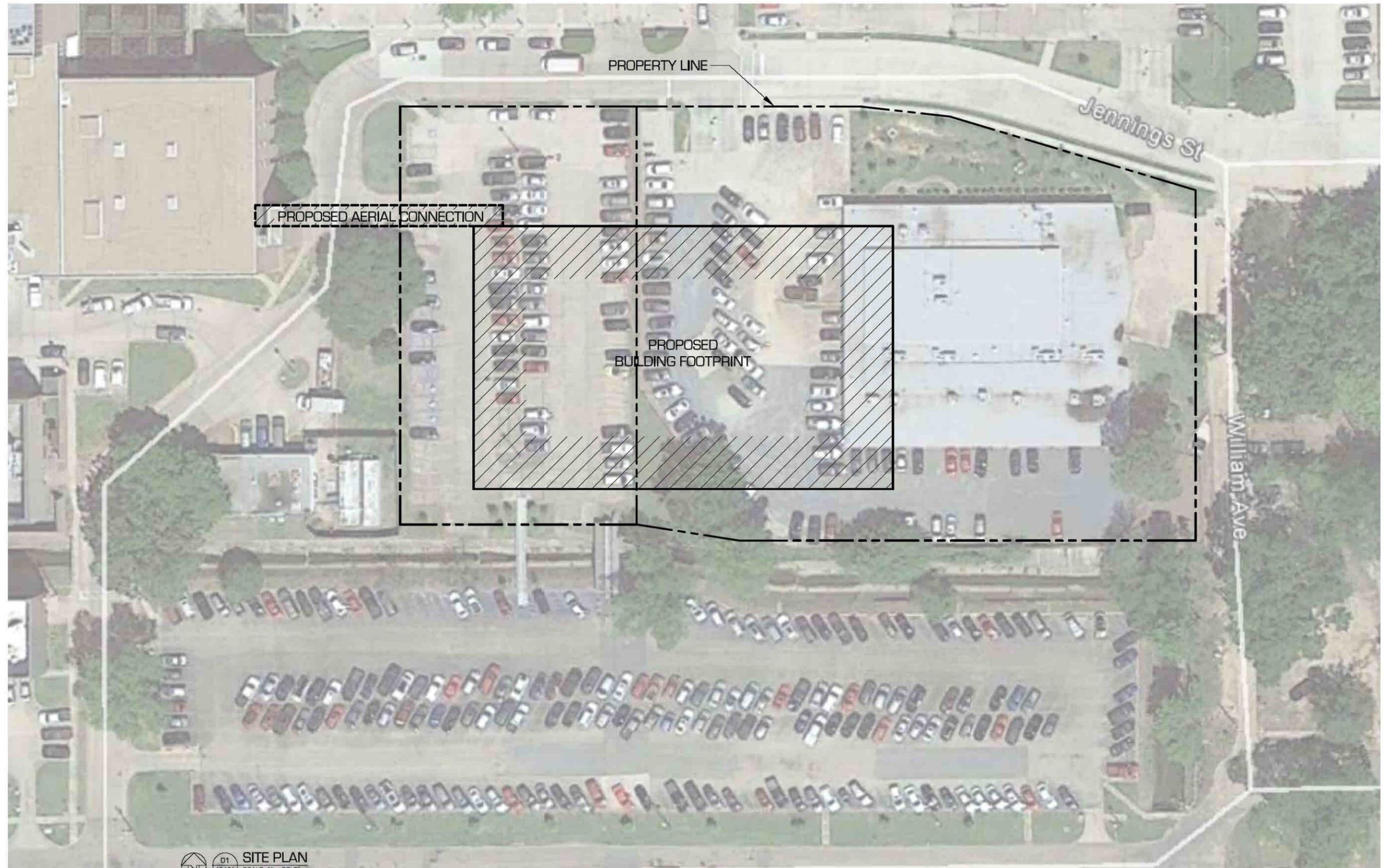
Item	Cost
Division 1 - General Requirements / Overhead and Profit	\$3,150,000.00
Division 2 - Site Construction	\$880,000.00
Division 3 - Concrete	\$1,787,000.00
Division 4 - Masonry	\$2,500,000.00
Division 5 - Metals	\$4,800,000.00
Division 6 - Wood & Plastics	\$2,000,000.00
Division 7 - Thermal and Moisture Protection	\$5,150,000.00
Division 8 - Doors and Windows	\$2,860,000.00
Division 9 - Finishes	\$3,990,000.00
Division 10 - Specialties	\$560,000.00
Division 11 - Equipment	\$520,000.00
Division 12 - Furnishings	\$950,000.00
Division 13 - Special Construction	\$1,640,000.00
Division 14 - Conveying Systems	\$500,000.00
Division 22 - Plumbing	\$2,500,000.00
Division 23 - Mechanical	\$6,500,000.00
Division 26 - Electrical	\$3,250,000.00
Subtotal (Building, Site & Pool)	\$43,537,000.00
7% Contingency	\$3,047,590.00
Total	\$46,584,590.00

Cost per square foot \$251.81

* This Opinion of Probable Construction Cost is based upon historical data.
Actual bid prices may vary due to market conditions.



Site Capacity , Previous Study



Meeting Minutes

02/17/2020

Center for Medical Educational Wellness LSU Health Science Center, Shreveport, LA

State Project No.: 19-604S-15-01, 19002219 01

State ID:

Site Code:

PROGRAM/MASTER PLAN MEETING

LSU Health Science Center, Shreveport LA

Facilities Conference Room

February 19, 2020

General Discussion

Attendees:

Sara McCann, FPC

Danny Mahaffey, LSU

Marc Gibson, Joe Miciotto, Justin Roy, LSU Health Science Center

Ed Cordes, Andrew Brown, Heidi Costello, Erika Fugelso, PerkinsWill

Dale Songy, Coleman Partners

- Marc indicated the current plan is to have a 5-story building, with 2 floors shelled.
- Foundation is fund raising and they are currently at \$10M.
- Joe indicated that the plan is to increase the student cohort from 150 to 200.
- Danny indicated project budget was \$60M and would be a 50/50 match of State and private funds.
- Goals is to accurately define building program space needs. Determine scope creep early and eliminate scope creep later
- Next user meeting to be second week of March and will include a potential tour of TAMU 21st century building.

Programing Discussion

Simulation and Clinical Skills

Attendees:

Sara McCann, FPC

Danny Mahaffey, LSU

Marc Gibson, LSU Health Science Center

Dr. Alan Kaye, Provost

Stacey Lee, Clinical Skills Center Director

Elizabeth Young, Simulation Lab Specialist

Ed Cordes, Andrew Brown, Heidi Costello, Erika Fugelso, PerkinsWill

Dale Songy, Coleman Partners

- Meeting goals are to understand existing and future program needs, define end users, and tour existing facilities.

- Primary users are Medical Students. Other users include Allied Health Students and Residents. Interprofessional education for hospital staff, nursing, etc. also occurs.
- It was noted that there is a proposal for a School of Nursing Program the LSU Health Science Center).
- Potential other users include industry outreach (external clients), expanded hospital continuing education.
- Presently they cannot accommodate external partners within their current space.
- Current space is 3 suites but very inefficient due to layout.
- New design needs to be flexible and transparent with growth potential.
- Current ration of faculty to student for the simulation rooms are 6 to 8 students per preceptor: for Clinical Skills its 1 to 1 student/patient and 6 to 1 student/patient for group skills.
- Debrief room occupancy is 10 -12. Clinical Debrief room occupancy is 15.
- Simulation will be utilized for tours, recruitment and fundraising.
- Simulation needs (see attached sketch from Elizabeth and Stacy)
- Low fidelity hospital Ward (4-6 beds)
- Certified Testing center
- ER Capabilities
- ICU, Trauma in Simulation Suites
- PT Simulation
- Procedural Labs
- Storage
- Virtual Reality Simulation in the Skills Lab
- Standardized patients pre-brief room with restrooms and changing area.

Master Plan – Site Discussion

- Reviewed highlights of draft booklet. Dr. Ghali okay with building adjacent to Med School on South side of Kings Hwy. Need to finalize booklet and send to LSU.

Education

Attendees:

Danny Mahaffey, LSU

Marc Gibson, LSU Health Science Center

Dr. Eggerstedt, Vice Chancellor for Academic Affairs / Vice Dean of Medical School

Christi Rinaudo, Assistant Dean for Student Affairs

Ed Cordes, Andrew Brown, PerkinsWill

Dale Songy, Coleman Partners

- Opportunity for this building to be campus HUB
- Flexible, larger teaching spaces, patient training, experiential learning component
- Provide 2-200 capacity large classrooms with adjustable seating and modular tables. Provide adequate pre-function space to handle crowds.
- Need to study need for 500-seat auditorium.
- Collocate small group rooms – capacity 15.
- Student lockers are required – accrediting board issue
- Faculty Development room.
- Medical Education Office Suite
- Tech support for faculty and students

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Master Plan – Site Discussion

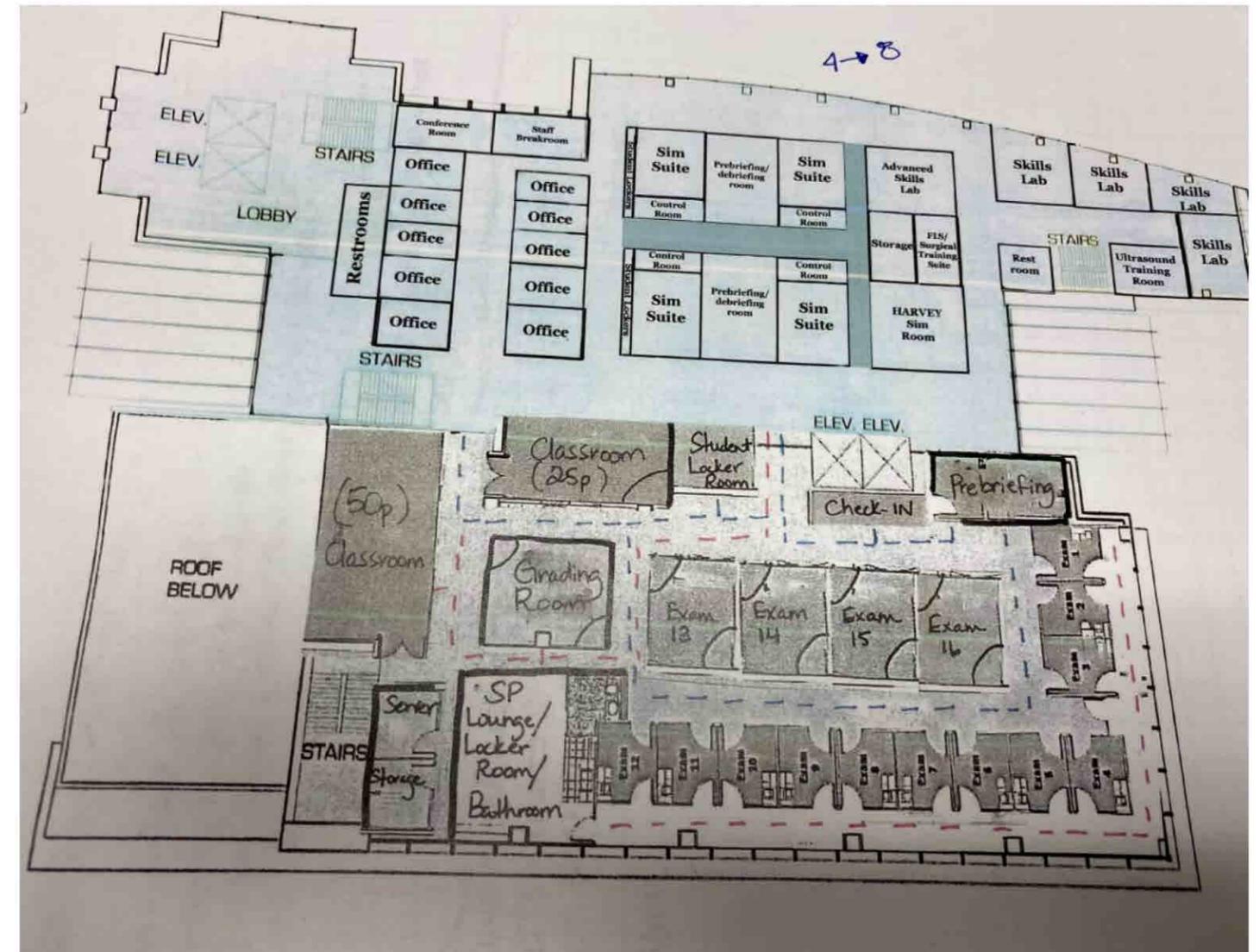
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Attendees:

- Danny Mahaffey, LSU*
- Marc Gibson, LSU Health Science Center*
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- Christi Rinaudo, Assistant Dean for Student Affairs*
- Ed Cordes, Andrew Brown, PerkinsWill*
- Dale Songy, Coleman Partners*

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- Tech support for faculty and students



Meeting Minutes

03/10/2020

Center for Medical Educational Wellness

LSU Health Science Center, Shreveport, LA

State Project No.: 19-604S-15-01, 19002219 01

PROGRAM/MASTER PLAN MEETING

LSU Health Science Center, Shreveport LA

Facilities Conference Room

March 10, 2020

10:00 am

1. General Discussion

Attendees:

Sara McCann, FPC

Danny Mahaffey, LSU

Justin Roy, Joe Miciotto, LSU Health Science Center Shreveport

Ed Cordes, Heidi Costello, Ericka Fugelso, Andrew Brown, Chris Kastelic, Perkins Will

Dale Songy, Coleman Partners

- Site Assessment Document finalized and handed out. PDF will be sent out.
- Programming exercise was for stakeholders to understand building area needs and right size the building.
- Shell space needs to be defined. Sara indicated that the State does not typically pay for shell space. It needs to be meaningful. Consider using free space in existing facilities
- Program shell space for Nursing program may offer possibilities for fundraising
- Overall summary of new program - total area similar to previous program but individual needs slightly different. (Program draft attached.)
- Clinical Skills and Simulation has been programmed for cohort growth but not for outside income or graduate nursing program. This could be part of shell space for later needs. Joe indicated that the Bossier Medical Center has a simulation component. Need a business plan for outside income.
-
- Need conversation with Ochsner for continuing education needs.
- MERI (medical education research institute) in Memphis. Private.
- Any other facilities offering these services in Shreveport area.
- Chuck Fox doctor with Med school and Ochsner.
- Discussed schedule and all are good with revised. Need to keep revising as program develops.

2. Programming Discussion - Clinical Skills/Simulation

Attendees:

Dr. Alan Kaye, Stacey Lee, Elizabeth Young, LSU Health Science Shreveport

- Review of program
 - Need 12-15 Clinical Exam Room versus 10 shown in program.

- Standardized Patient Suite – Changing Rooms do not require individual vanities. Add sinks within changing room
- Require one large classroom to accommodate 50 people and one small classroom for 25 people.
 - Visual and Acoustic privacy required from students during Standard Patient training.
 - Considering one large classroom that can be divided up into two smaller rooms when needed
 - Standardized Patient Training occurs between once a week to once a month
- Need shared classroom for 50 adjacent to the Clinical Skills/Simulation area.
- Possibility of combining the Technical Skills lab and diagnostics lab?
- Confirmed one to one ratio for clinical exam rooms
- EY/SL Considering combining Low Fidelity Hospital Ward & Diagnostics Lab
 - Explained that still will require providing both diagnostics bars and headwall. Along will multiple patient bed types.
- Confirmed one to one ratio for clinical exam rooms
- Harvey Clinical Exam Room to accommodate 30 people.
- Technical Skills Lab – Required room for more equipment than seats. Combine Storage and Lab to create one larger room. (Note: Email received 03.11.20 with list of equipment planned for this space.)
- Ultrasound Training Room cannot be combined with other larger training rooms (ex. Low fidelity hospital ward, diagnostics lab)
- Can reduce the ratio of procedural skills lab & storage from 1:1 to 2:1
- FLS/FES Training and Testing
 - The testing rooms could be smaller
 - 2 FLS Trainers in Testing
 - 4 FLS Trainers in Training
 - FES Testing – GI Simulator
 - FLS Testing – Bronchoscopy Simulator
 - Combined GI/Bronchoscopy Simulator in Training

3. Programming Discussion - Education

Attendees:

Dr. Jennifer Woerner, Associate Dean for Academic Affairs

Christi Rinaudo, Assistant Dean for Student Affairs

- Office standard sizes - Adjust office sizes to be standard per Functional Title
- Auditorium space for 2 cohorts or faculty. 500 seat auditorium remains in program.
- 200 seat student learning environments with a flat floor provides site line issues. They liked examples of tiered rooms. More discussion after the tour of A&M
- Tour dates in April to be verified once Dr. Ghali schedule confirmed. Marc and Justin to work on this.
- Small Group Rooms
 - 8-9 rooms (480 sf) for 20-24 students with modular tables, video wall and whiteboards.

- 15 huddle rooms (200sf) for 6-8 student with table and white board.
- Look at providing a 100-student room – adjacent to dining component for flexibility.
- Food service provider will be via contract
- Remove faculty lounges
- Look at sharing Clinical classroom at 75 to 100 occupants.
- LSU Health to provide required locker count

4. Programing Discussion - Wellness

Attendees:

Dr. Suzanne Tensley, Assist Dean of Development for School of Allied Health

Lisa Babin, Executive director Public Affairs, Communications & Development

- Wellness Coordinator will be hired
- A survey of students and faculty will help gauge the priorities of the users and help to guide many of the project questions including:
 - Participation rates
 - Anticipated hours of use
 - Activity preferences
 - Fee for service tolerance
- As part of the accreditation review, the campus was advised to add wellness programs. Currently, they offer wellness and fitness resources as online programs.
- The team discussed the anticipated participation percentage of students. PW used a 75% factor as an initial assumption, but this could vary widely over the various user groups. Allied Health could be a high utilization rate, but the Medical school, particularly 4th and 5th year, could be much lower.
- Hours of operation play into right-sizing the facility, as use patterns that are more distributed will put less pressure on the areas. The various user groups of students, faculty and hospital staff seem to have complementary user patterns, but this could be confirmed by the survey.
- Hours of use could be longer than a typical campus building. LSU envisions hours similar to the library with extended hours approaching a 24-hour clock. Students are expected to be on campus from 8am-5pm but could have long gaps between classes where the wellness center would be used.
- All of these factors, participation rate, hours of operation, and peak periods of use will impact the size and resources invested in the wellness program.
- Recognizing that the education programs put significant stress on students, in addition to providing opportunities for fitness, the wellness center is intended to be a place for rejuvenation, calming, access to mental health resources, and holistic wellness such as nutrition, and healthy lifestyle habits.
- The locker room facilities that are part of the wellness center are intended to be day-use to support the fitness users.
- The team discussed the potential to add a recreational sport space—a small gymnasium. It would have the ability to expand the activities to social recreation beyond a fitness workout. LSU was sensitive to the perception that the wellness center was too grand. There was discussion about an outdoor

court space, but the control of that space and unintended use suggested an indoor space would be preferred if the budget could afford the added area.

- Facility memberships will be made available to Ochsner LSU Health Shreveport staff. This represent approximately 3000 employees, but the exact number will be confirmed by LSU staff.
- The total pool of “member” users includes the following:
 - 1500 students
 - 1721 staff and faculty
 - 3000 +/- from Ochsner hospital
- There should be a wellness center teaching kitchen, in addition and separate from the dining service within the building. The program could include resources for nutrition, healthy cooking, weight loss, sports nutrition and other possible health related services.
 - The space was described as “portable” in that it may not a be permanent, full-time function. The team discussed the requirements and concluded that some of the equipment including storage and some basic food preparation equipment should be built-in, while tables, cooking equipment and food would be brought in and brought out after class.
 - There is currently a small nutrition program in the rehab area of the school of allied health providing a similar service. Lisa Babin will review with the curriculum for culinary medicine and give the design team guidance on the requirements.
- The subject was discussed whether mental health and access to psychological consultation would be made available. LSU does have access to these services, and if it were provided here, it would want to be a discreet area. Probably not part of the Wellness Center.
- There is a large intramural program at the University, but all games are played at LSUS campus. There isn’t a need to support large intramural play, but there could be access to a small outdoor sport and recreation space for drop-in use, pick-up games and IM practice. This area could include a basketball court, and other outdoor activity. There was concern that this space should be somehow fenced or enclosed to ensure it is a safe area without unwanted trespassing.
- There should be a lactation room/mother’s room in the facility. Probably not part of Wellness Center but included in building.
- There should also be a non-denominational, quiet prayer and contemplative space somewhere within the facility. It should be large enough for 6-10 people and could have storage for limited spiritual objects for services.
- At some point, there will be a fundraising effort for named donors for the facility, Design team cautioned LSUHC to ensure there is a clear donor schedule prior to eliciting support. Design team agreed to assist in the preparation of a donor opportunity plan once the design had progressed further.

5. Next Steps.

- Schedule trip to Texas A&M either on April 8th or 15th. Marc and Justin will confirm.
- Schedule trip to visit Simulation Center. Heidi working on location and dates.
- Design Team will update program based on today’s review.
- Design Team will look at program cost estimate – both original and revised.
- Next meeting will be to review revised program with Dr. Ghali. Marc and Justin to schedule this meeting.



Emerging Viral Threats Lab Discussion

04/21/20

LSUHSC Health and Wellness Center

Perkins&Will |  **Coleman
Partners**
ARCHITECTS LLC

Programming Concept

EVT Lab

AREA/FUNCTION	AREA		
	No	NSF EACH	TOTAL NSF
1 Laboratory and Laboratory Support			
2 Sample Receiving/Processing			590
Receiving	1	400	400
After-hours Receiving	1	100	100
Client Consultation	1	90	90
3 Bacteriology			500
Bacteriology Lab	1	400	400
Fungal Room	1	100	100
4 Clinical Pathology			400
Clinical Pathology Laboratory	1	400	400
5 Histopathology			600
Histopathology Laboratory	1	400	400
Tissue Processing/Retention	1	200	200
6 Molecular Diagnostics			760
Master Mix	1	120	120
Extraction	1	400	400
Amplification	1	120	120
Protein Analysis	1	120	120
7 Serology			300
Serology Laboratory	1	300	300
8 Virology			740
Virology Laboratory	1	400	400
Diagnostic Cell Culture	1	120	120
Clean Cell Culture	1	120	120
Vn Room	1	100	100
9 Shared/Core Lab Space			1,170
Media Prep	1	120	120
FA/Dark Room	1	100	100
Centralized Freezer Room (Optional)	1		
Chemical Stockroom	1	100	100
Training Laboratory	1	300	300
Glassware/Autoclave/Laundry	1	150	150
Research Development Lab	1	200	200
Pathology Slide/Block Retention	1	200	200

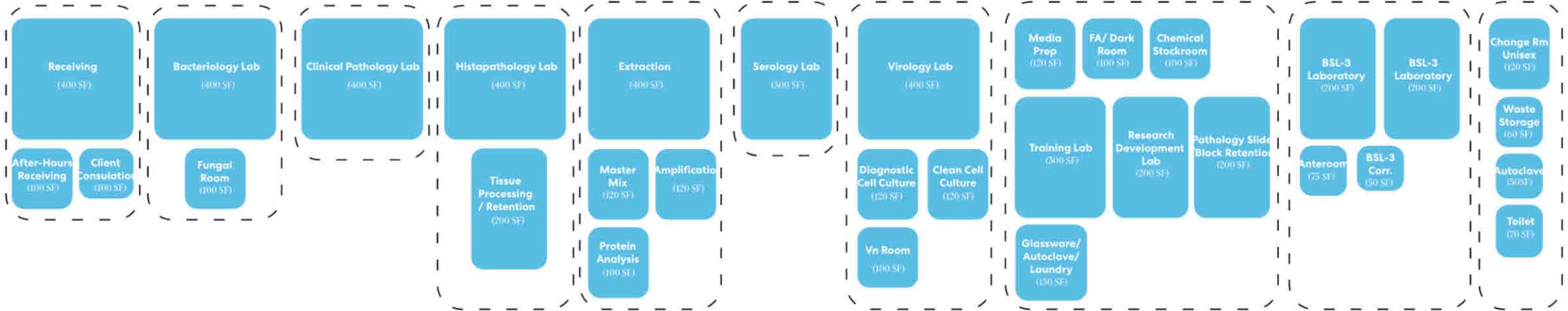
AREA/FUNCTION	AREA		
	No	NSF EACH	TOTAL NSF
10 BSL3 Laboratory Space			525
Anteroom	1	75	75
BSL-3 Laboratory	2	200	400
BSL-3 Corridor/Connector	1	50	50
11 BSL3 Laboratory Support			300
Autoclave/Dirty Staging	1	50	50
Change Room - Unisex	1	120	120
Effluent Treatment (Optional)	1		0
Waste Storage	1	60	60
Toilet	1	70	70
		Subtotal NSF	5,885
12 Collaboration / Conference / Offices			
13 Collaboration / Conference			960
Breakroom	1	500	500
Conference Room - Large	1		0
Conference Room - Medium	1	250	250
Huddle Space	1	90	90
Copy/Locker	1	120	120
14 Office/Administrative			1,940
Office Type A, Resident Director	1	140	140
Office Type B	8	100	800
Open Office Area (10 Workstations)	1	200	200
Clerical Workstations (5 Workstations)	1	500	500
Data Server Room	1	60	60
Reception Area	1	120	120
Copy/Filing	1	120	120
Chair/Table Storage	1		0
Lockable Storage (Optional)	1		0
		Subtotal NSF	2,900

AREA/FUNCTION	AREA		
	No	NSF EACH	TOTAL NSF
15 Non-Assignable Spaces			
16 Building Support			5,380
Custodial	1		0
Women's Restroom	2		0
Men's Restroom	2		0
Mother's Room / Medical Privacy	1		0
Chemical Waste Storage	1		0
Main Electrical Room	1		0
Electrical Distribution	2		0
Mechanical Room	1		0
MDF/IDF Room	2		0
Mechanical Penthouse	1		0
Circulation	1		0
Other Non-Assignable Support Space	1		0
		Subtotal NSF	5,380
Total NSF			14,165

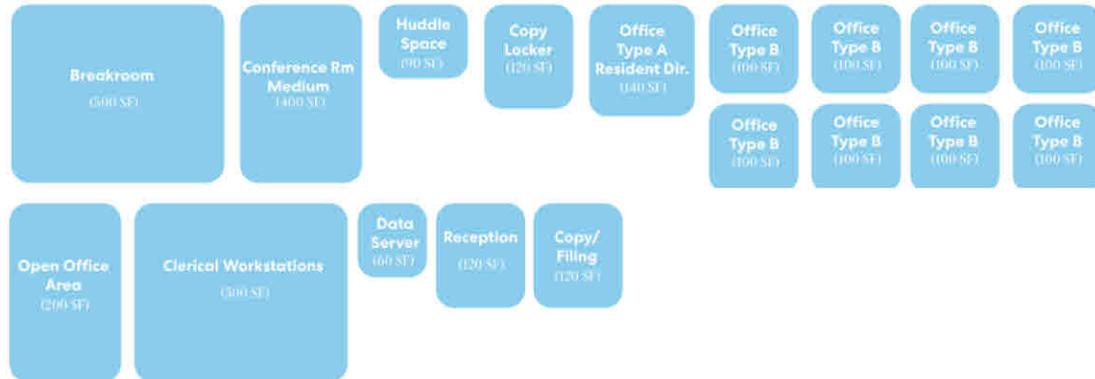
Program Blocking

EVT Lab

Laboratory and Laboratory Support



Collaboration / Conference / Offices



Non-Assignable Spaces



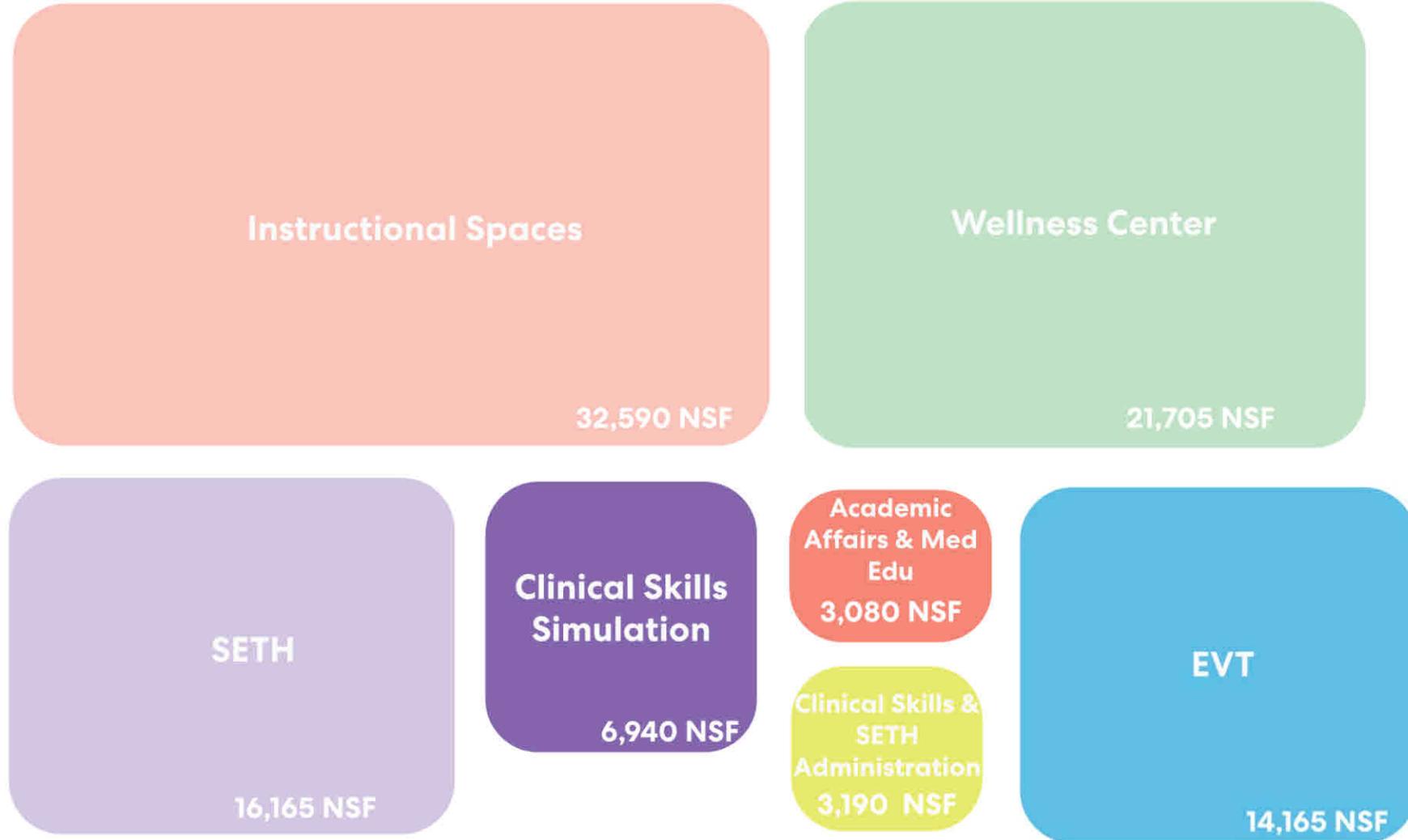
Tabulation of Spaces

Summary

AREA/FUNCTION		TOTAL DGFSF
Academic Affairs/ Medical Education		
	NSF	3,080
Instructional Spaces		
	NSF	32,590
Wellness Center		
	NSF	21,705
Clinical Skills Simulation		
	NSF	6,940
Simulation		
	NSF	16,165
Clinical Skills/Simulation Admin Area		
	NSF	3,190
Building Support Areas		
	NSF	2,195
Center for Medical Education and Wellness Total DGFSF		85,865
<i>Net to Gross Factor</i>		<i>1.38</i>
Center for Medical Education and Wellness Total BGFSF		118,494
EVT		
Laboratory and Laboratory Support		5,885
Collaboration / Conference / Offices		2,900
Non-Assignable Spaces		5,380
	NSF	14,165

Tabulation of Space

Blocking Summary



Cost Comparison

Summary

	Academic Affairs/ Medical Education		3,080
	Instructional Spaces		32,590
	Wellness Center		21,705
	Clinical Skills Simulation		6,940
	Simulation		16,165
	Clinical Skills/Simulation Admin Area		3,190
	Building Support Areas		2,194
	EVT Lab		
Programmed Area			85,865
Grossing Factor	1.38		32,629
Total Gross Area			118,494
Cost / SF	\$325		
Program Area Cost			\$ 38,510,453
Site Cost			\$ 2,500,000
Subtotal			\$ 41,010,453
Available Funds for Shell			\$ 5,574,548
Shell cost /SF	\$190		
Gross Shell Area			29,340
Grossing factor	1.38		8,079
Shell Net Area			21,261
Total Building Area			147,833
Cost /SF			\$ 315.12

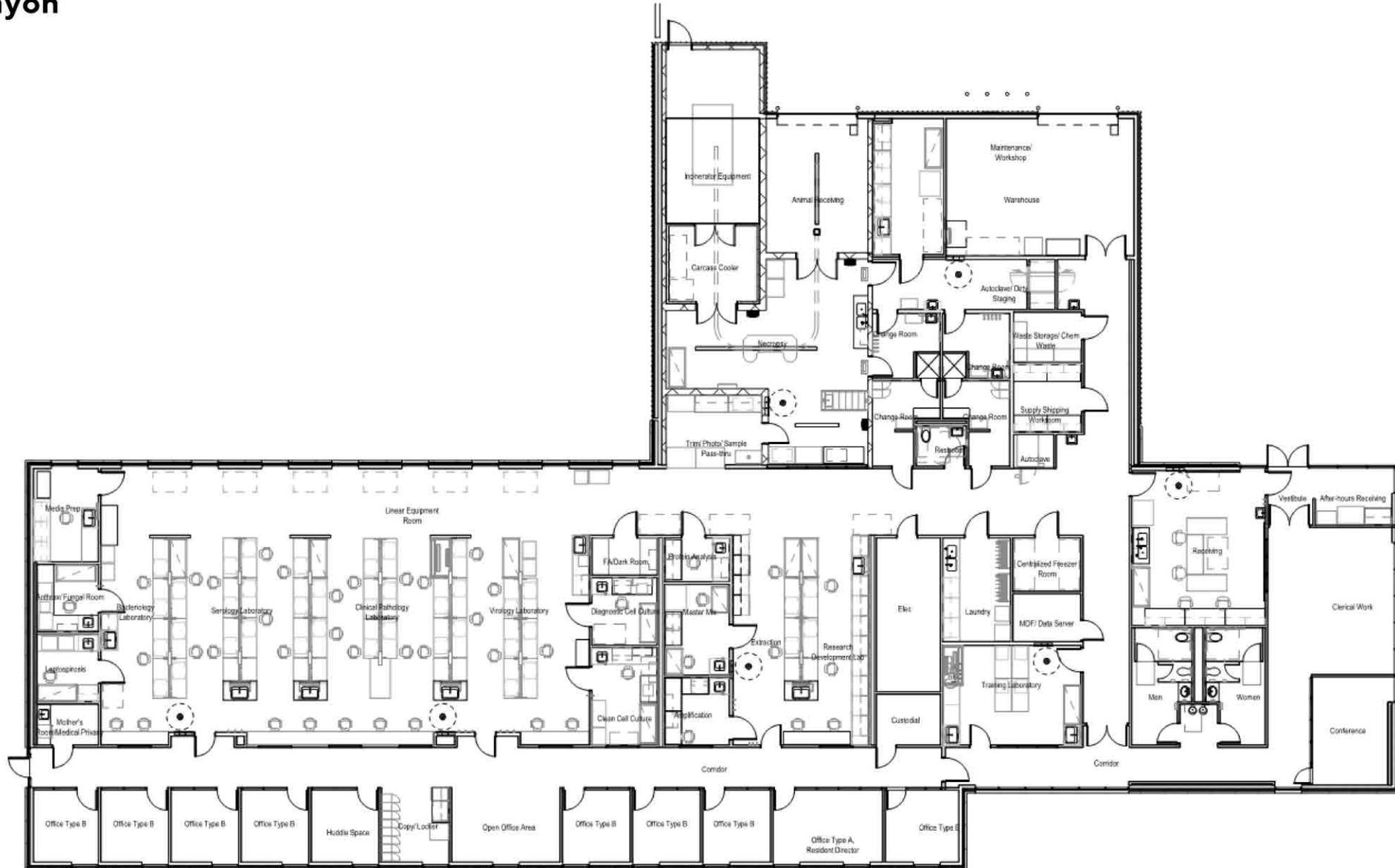
SHELL AREA

EVT LAB

Available Funds for EVT Lab			\$ 5,574,548
Estimated cost /SF	\$775		
Gross Area			14,165
Grossing factor	1.38		5,380
EVT Lab Net Area			8,785
Total Estimated Cost			\$ 10,977,875

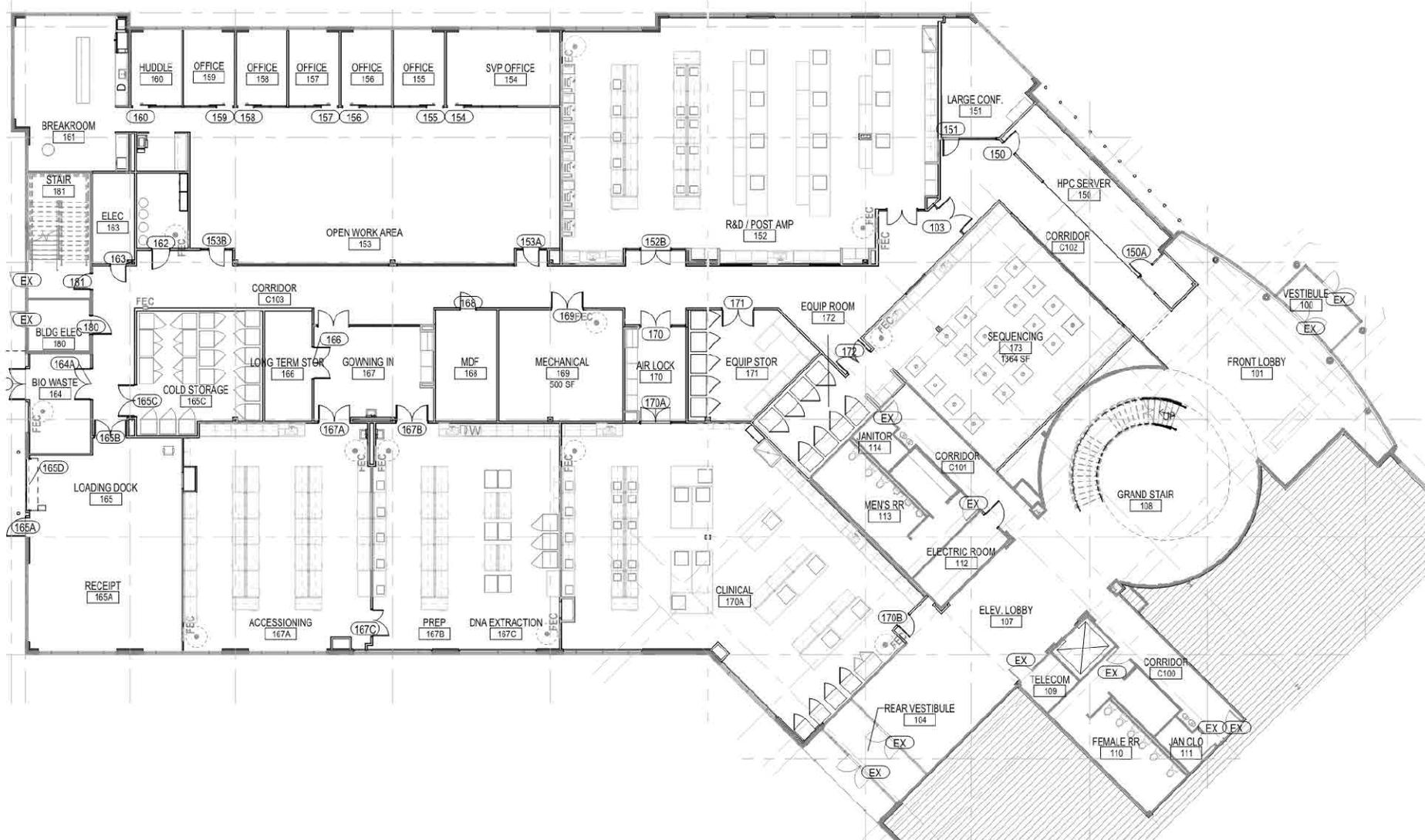
TVMDL Canyon

FLOOR PLAN



Private Diagnostics Lab

FLOOR PLAN



Additional Comments

- SAMPLE/RECEIVING DROP OFF – CHAIN OF CUSTODY
- ABILITY TO FLEX FROM RESEARCH TO CLINICAL DIAGNOSTICS
- DESIGN FOR INDUSTRY PARTNERSHIPS (THERAPUTICS/VACCINES)
- MODEST GLP/cGMP SUITE – FOR 5L THERAPUTICS