

# **EXHIBIT C**PROGRAM and SCHEMATIC DESIGN CONCEPTS

## REQUEST FOR QUALIFICATIONS

PART A: PRE-CONSTRUCTION SERVICES (Design-Assist) and

PART B: CONSTRUCTION SERVICES (Construction Management at Risk)

Health Sciences Center Facility Renovations
Dental School
Louisiana State University Health Sciences Center
New Orleans, Louisiana
Project No. 19-604N-23-02, F.19002495

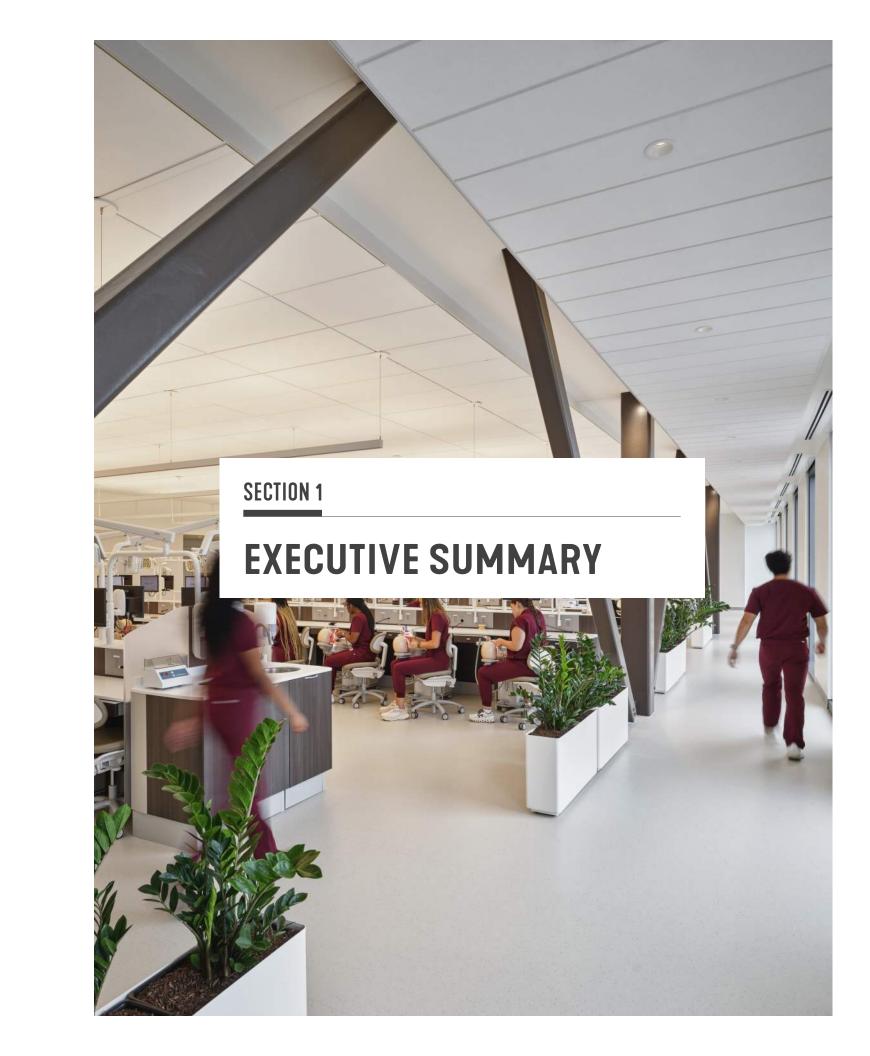
September 16, 2025



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## INTRODUCTION

In Summer 2023, The State of Louisiana identified and moved forward a project to modernize the School of Dentistry and issued a Request for Qualifications (RFQ) for architectural services for the Health Sciences Center Facility Renovations, Dental School, New Orleans, Louisiana, Project No. 19-604N-23-02 F.19002495. The project description includes renovations and modernization of interior spaces, mechanical systems upgrades, a new freight elevator, building waterproofing, window replacement, and reroofing of the Clinic Building along with providing upgrades and improvements to campus accessibility including building entrances and restrooms. Available funds for construction are approximately \$40,000,000.

Louisiana State University School of Dentistry is in New Orleans, Louisiana. Although it is apart of the Health Science Center (HSC), it is physically separated on its own campus a few miles northwest of the Downtown Health Science Center. LSUHSC-SD is the only dental school in Louisiana and serves patients in the surrounding New Orleans community.

The original Dental Clinic Building and Administration Building were constructed in 1971. In 2005 the School of Dentistry was greatly impacted by the historic flooding resulting from Hurricane Katrina. The Annex building was constructed in 2017 to replace some of the services lost in the flooding and better position critical infrastructure from being impacted by future flooding events. Additionally, it allowed some clinical and research functions to expand to better serve patients.

Students attend LSU School of Dentistry for a variety of programs including:

- Doctor of Dental Surgery (DDS)
- Dental Hygiene
- Dental Laboratory Technician
- Advanced Education Degrees
- Prosthetics
- Endodontics
- Periodontics
- Pediatrics
- Orhtodontics
- Oral and Maxiollioal Facial Surgery



FIGURE 1.1: EXISTING SCHOOL OF DENTISTRY CAMPUS (NTS)

## **PROCESS**

The team of Mathes Brierre Architects + Blitch/Knevel Architects, A Joint Venture was selected for the project. Both local New Orleans architectural firms have well established histories of successful projects with both LSU and the LSU Health Science Center. Along the way SmithGroup, a nationally recognized leader in dental education design and planning, was brought onto the team to lead discussions specific to the dental education components of the project.

The design team established a series of in-person Executive Committee meetings and Townhall-style open forum meetings held in the existing School of Dentistry Building with both the faculty and students to engage with the stakeholder users along with guidance from the LSU Health Science Center Facilities Planning & Construction team. Prior to holding the first of these meetings separate online surveys were distributed to faculty and students for soliciting common priorities and themes held among the users of the buildings and use those as the outline agenda for the presentations and discussions - so that we could address those head-on in the subsequent meetings.

The following served as guiding principles during the stakeholder meetings:

- Develop the best Oral Health Providers for the state of Louisiana while providing excellent patient care in a safe and welcoming environment.
- Embrace the sense of community and family that attracts students and faculty to call LSU School of Dentistry Home.
- Enhance the educational experience by leveraging technology and ensuring students have access to necessary resources, including study space, wellness spaces, and collaboration areas.

During engagement with stakeholders, it was determined the class size would remain at 75 DDS students. Advanced Education programs would also remain within the current clinic environment with minor growth anticipated.

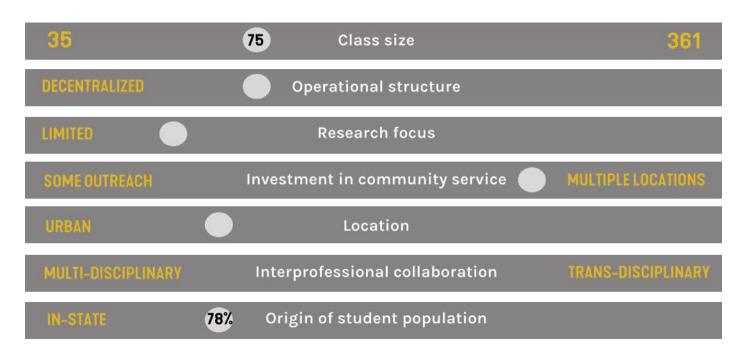


FIGURE 1.1: CURRENT STATE OF SCHOOL OF DENTISTRY

## **FUTURE STATE**

Upon completion of meetings with the School of Dentistry stakeholders, Louisiana State University Facilities Department requested a program study that takes into account increasing the class size from 75 DDS students to 100 DDS Students.

The fixed parameters for the scenarios are:

- 20,000 NSF of Research Space (per LSU direction)
- No change to quantity graduate / specialty clinic chairs (approx. 120)
- Administration space including faculty offices and student support services
- Student amenities including lockers, study space and collaboration
- Classrooms including large learning studios and small group learning
- Simulation and practice lab including supportive digital and imaging technologies

The variable parameters for the scenarios are:

- 5 VS 100 DDS cohort
- 1:2\*\* VS 1:1 DDS student per chair allocation (\*\*aligns with typical range per benchmarking data)

Different options were evaluated to accommodate the various "Scenario Programs" including: renovating the existing Clinical and Admin building, Renovating the Delgado Building on the Downtown Campus, or Constructing a new building on the existing Dental Campus. Considerations for each approach are noted below.

#### RENOVATING EXISTING DENTAL AND ADMIN BUILDING

- For program scenarios A, B, C, consideration needs to be given to areas of the building not required to be renovated
- Construction will be phased, and the building must remain operational during construction
- Extensive exterior envelop work will need to be completed (more information available in the appendix)

#### REHABILITATE AND RENOVATE THE DELGADO BUILDING

- The Delgado building was designed initially for other uses so will require more extensive interior renovation and re-configuration. A detailed investigation of this building has not been carried out.
- Need to consider lack of adjacency with dental programs remaining in the Annex building (oral surgery, faculty practice and animal care).
- The opportunity to use existing classroom and student amenity spaces on the downtown health sciences campus may result in reduced square footage need but has not yet been verified. Note: The typical schedule for a D1 or D2 dental student does not allow much time for movement between buildings.

#### CONSTRUCT A NEW BUILDING ON EXISTING DENTAL CAMPUS

- The opportunity to build a new facility adjacent to the existing Central Utility plant may offer cost savings.
- Existing facilities can remain operational until construction is complete.

Program Scenarios	DDS Class	Chair Ratio	NSF
Scenario A	75	1:2 **	115,500
Scenario B	75	1:1	133,000
Scenario C	100	1:2 **	171,000
Scenario D	100	1:1	196,000

<sup>\*\*</sup>aligns with typical range per benchmarking data

FIGURE 1.1: SCENARIO PROGRAMS (NSF ONLY)

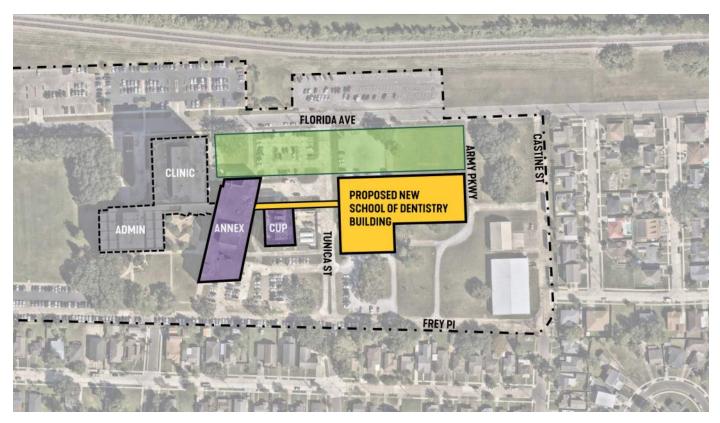


FIGURE 1.1: PROPOSED NEW BUILDING ON CAMPUS

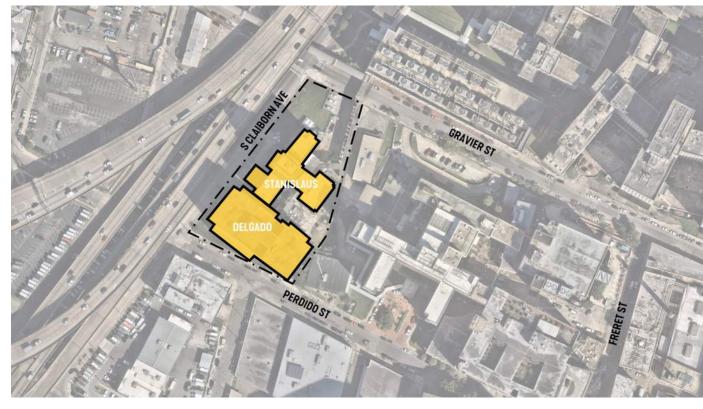


FIGURE 1.1: EXISTING BUILDINGS NEAR DOWNTOWN CAMPUS



## INTRODUCTION

#### CAMPUS AND SCHOOL HISTORY

The origins of dental schools in Louisiana date back to 1861, with the establishment of the New Orleans Dental College. The New Orleans College of Dentistry followed, and dental schools were added at Tulane and Loyola Universities. When Loyola University could not continue its dental program due to financing, it was incorporated into the LSU System. The switch from Loyola University to LSU took four years. The original LSU School of Dentistry started on the same property as it finds itself today. The original use of the property was housing for the US Navy during World War II. Thirty Barracks were initially located on the property. After purchasing the property from the federal government, the School of Dentistry was established in 1966. In 1968, classes started with a class of thirty, using those same barracks. The Louisiana Legislature authorized the building of a new dental school as part of the LSU System. Construction started in 1969, and the first class to graduate from the new buildings was in 1972, a class size of twenty-seven. The new buildings consisted of what we know today as the Administration Building, the Clinic, and the Central Plant.

#### **BUILDING HISTORY**

As stated, the Administration Building, the Clinic, and the Central Plant opened for students in 1971. The brutalist-style buildings were designed by local architects August Perez and Associates. They were in continuous use until August 2005, when Hurricane Katrina swept into New Orleans and flooded the school's basement and first floors, making the building uninhabitable. While the buildings were renovated, the school relocated to the South Campus of LSU in Baton Rouge, returning to the main campus two years later. In 2015, FEMA approved roughly 60 million dollars to mitigate the damage caused by Hurricane Katrina. The new building, called the Annex, is a three-story elevated building that houses Faculty Practice, Animal Care, research laboratories, and two operatories.

#### **GENERAL SITE DESCRIPTION**

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LSUHS Dental School is in the Fairgrounds neighborhood on a 22-acre parcel. The campus is defined by Florida Ave on the North and West sides, Frey Place on the South, and Castine Street on the East. The property has six (6) structures: The Administration Building, The Clinic Building, The Annex, The Central Plant, and two (2) warehouses. The Admin, Clinic, Annex, and Central Plant sit in the center of the property and are oriented toward Florida Avenue. The two warehouses sit in the southeast corner of the property and are oriented towards Castine Street. Two (2) "horseshoe" patient drop-off areas are accessed from Florida Avenue. One is in front of the Admin Building and one is in front of the Annex. Patient parking lots are across Florida Ave., and the faculty/ staff parking is located throughout the property but typically adjacent to the main buildings. A softball field inhabits a large portion of the West side of the property.



FIGURE 2.1: CLINIC AND ADMIN BUILDING



FIGURE 2.2: EXISTING SCHOOL OF DENTISTRY CAMPUS

#### **AUTHORITIES HAVING JURISDICTION**

The city of New Orleans does not have jurisdiction over the property because it is a State-owned facility.

BUILDING

The Louisiana State Fire Marshal has jurisdiction and will provide direction for the International Building Code, NFPA 101, and ADA 2010 Standards.

FEMA has jurisdiction and will provide direction for all Base Flood Elevation requirements.

#### **BUILDING CODES**

The State of Louisiana follows its own version of several international and national codes related to building construction. Each of these codes is adopted with amendments listed below:

 Louisiana Building Code = International Building Code 2021 (amended)

- Louisiana Existing Building Code = International Existing Building Code 2021 (amended)
- Louisiana Plumbing Code = International Plumbing Code 2021 (amended)
- Louisiana Mechanical Code = International Mechanical Code 2021 (amended)
- Louisiana Fuel and Gas Code = International Fuel and Gas Code 2021 (amended)
- Louisiana Energy Code = International Energy Conservation
   Code 2021 (amended)
- Louisiana Electrical Code = National Fire Protection Association 70, 2020 (amended)
- Louisiana Life Safety Code = National Fire Protection Association 101, 2015 (amended)
- Americans with Disabilities Act (ADA) 2010 Standards

## **PROCESS**

The scope of this report is to develop a program statement that will inform future projects to Modernize the School of Dentistry. Team members from Mathes Brierre Architects + Blitch/Knevel Architects and SmithGroup convened on the Dental Campus in September 2024 for a building tour and the first of several executive team meetings. Dean Gallo, members of the executive team, and representatives from the Health Science Center Facilities team were engaged for the duration of this process.

The work to develop the program statement was divided into several tasks:

- Visioning and Programming
- Scenario Development
- Scenario Refinement

During the visioning session, goals and guiding principles were established by the stakeholder group. During the Scenario development several scenarios were presented prompting discussions about how well they meet the goals and priorities established by the executive committee. The scenarios were then further refined, considering the feedback received.

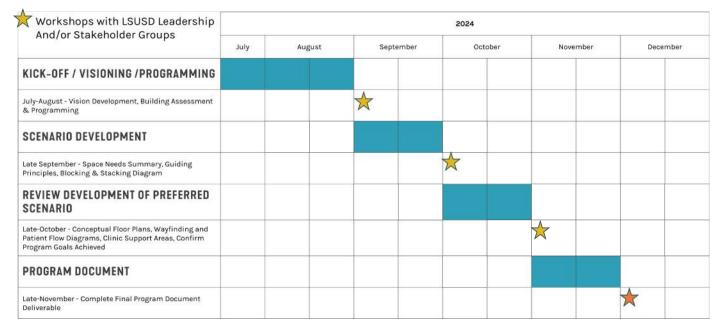


FIGURE 2.3: SCHEDULE

# **ORGANIZATIONAL** CHART

## STATE OF LOUISIANA

Mark Bradley Project Manager

## LOUISIANA STATE UNIVERSITY HEALTH SCIENCE CENTER PLANNING AND CONSTRUCTION

**Christopher Poche** 

Kirk Deslatte

Director, LSUHSC Planning and Construction

LSUHSC Assistant Vice Chancellor, PFM

## LOUISIANA STATE UNIVERSITY HEALTH SCIENCE CENTER SCHOOL OF DENTISTRY

Dr. John Gallo Dean

Dr. Toby Cheramie

Dr. F. Thomas Giacona

Dr. Paul Armbruster Director, Orthodontics Dr. Kitrina Cordell Director, Pathology

Dr. Xiaoming Xu

Dr. Gerald Evans

Assoc. Dean of Admissions

Associate Professor Dr. Alex Ehrlich

Adriana C Wilson

Director, Research Director, Periodontics Comprehensive Dentistry Director, Prosthodontics

## MATHES-BRIERRE ARCHITECTS AND BLITCH/KENEVEL ARCHITECTS JOINT VENTURE

Tony Alfortish Principal in Charge **Angela Morton** Architect

Ron Blitch Principal in Charge Allison Looper-Chalmers Vanessa Schneider Interior Designer

Architect

## **DENTAL CONSULTANTS: SMITHGROUP**

**Chris Purdy** Principal in Charge Stephanie Sweet Dental Planner

Gregg Kalba Project Manager **Nathan Mills** Architect

FIGURE 2.4: ORGANIZATIONAL CHART

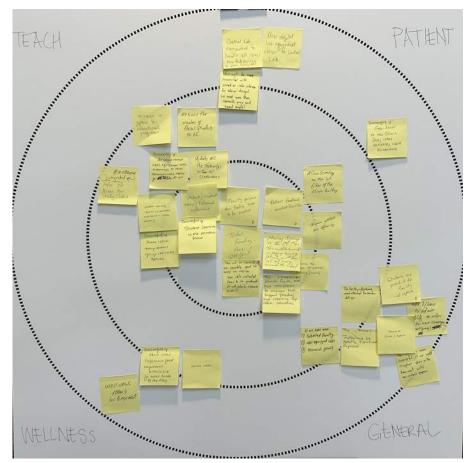


FIGURE 2.5: PRIORITY TARGET EXERCISE RESULTS

## **VISIONING**

An exercise during the executive committee visioning session required participants to communicate their priorities by writing them on a post-it and placing the note in relationship to the target, with the center being highest priority and the perimeter being still important, but a lower priority. Additionally, participants were asked to align their priorities within the following categories:

- Teach
- Patient
- Wellness
- General

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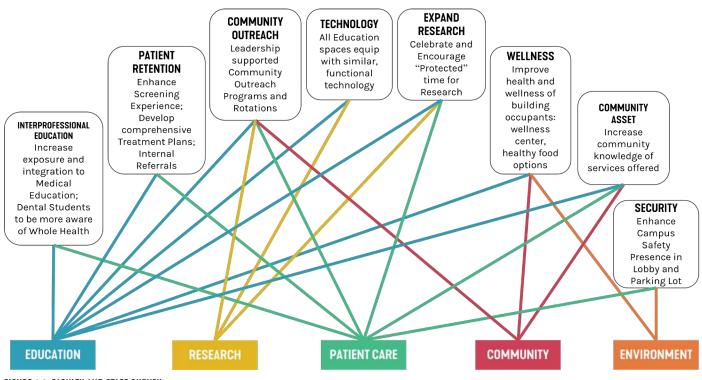


FIGURE 2.6: FACULTY AND STAFF SURVEY

## **SURVEY RESULTS**

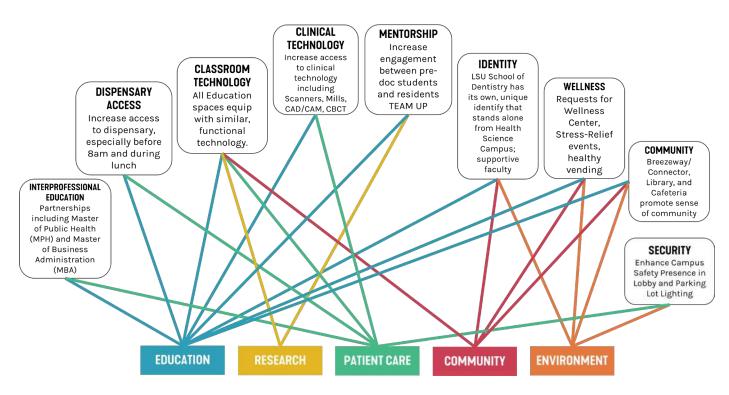
A survey was deployed by LSUHSC SOD to all faculty and staff prior to the visioning session. The results of this survey helped the design team understand challenged and opportunities within the physical environment, as well as operationally. The common themes that emerged from the survey were organized in the following categories, some themes touched on multiple categories:

- Education
- Research
- Patient Care
- Community
- Environment

These five categories were established by the strategic plan developed by the School of Dentistry. The graphic showcases how there is not a single theme that is associated with only one category. The themes

reinforce current opinions and conversations between faculty and staff.

Additionally, Students completed a similar survey with questions tailored to student amenities and captured their perspectives of campus culture. The results of the student survey are featured on the following page. Many common themes emerged also overlapping the categories: Education, Research, Patient Care, Community, and Environment.



Feasibility Study 2025

FIGURE 2.7: STUDENT SURVEY

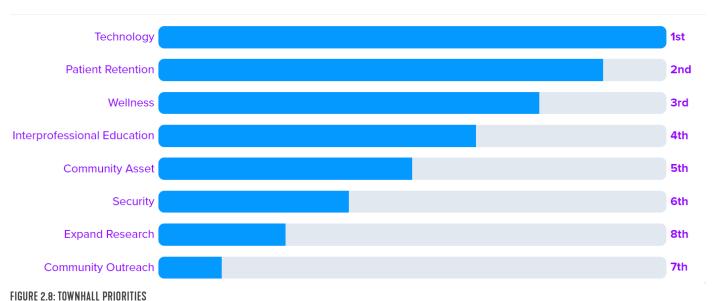
## TOWNHALL MEETING

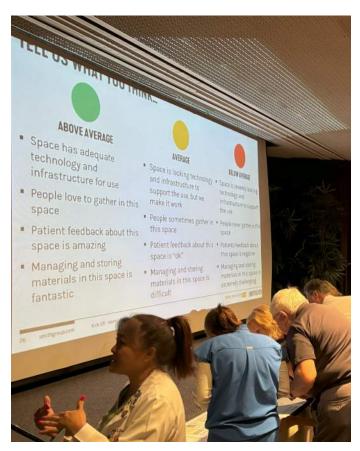
A Townhall meeting provided an opportunity for all faculty and staff to attend and share their opinions. Participants individually ranked the themes from the survey from most important to less important. Each response was tabulated and a collective ranking was developed. The top three priorities as established by the faculty and staff are as follows:

- 1. Technology: All education spaces to be equipped with similar, functional technology.
- 2. Patient Retention: Enhance Screening Experience; Develop comprehensive plans; Increase Internal Referrals
- 3. Wellness: Improve health and wellness of building occupants re-introduce the wellness center that was suspended in the aftermath of Hurricane Katrina, provide more healthy food options in the café/ grill.

2. Also, during the town hall meeting, participants were asked to identify the quality of spaces within the building, ranging from Above Average to Below Average. Above Average spaces have adequate technology, people enjoy being in the spaces, and patient feedback is positive. Average spaces may have some deficiencies but overall, they serve the purpose and function. Below Average spaces have major deficiencies, are underutilized because of technology or infrastructure, and have negative patient feedback. Robust group discussion occurred, and generally everyone was in agreement on the quality classifications. Composition floor plans from this exercise are included in the appendix.

## **LSUSD - NO Priorities**





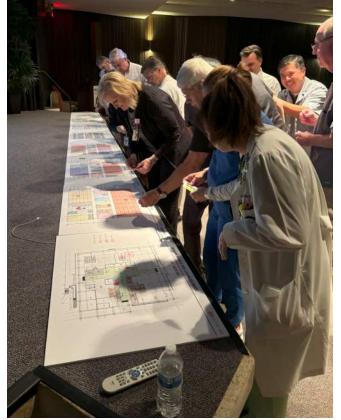


FIGURE 2.9: VISIONING SESSION

FIGURE 2.10: VISIONING SESSION

## SPACE TO MAINTAIN AND OPPORTUNITIES

The input received during the Visioning and Townhall meetings developed a strategy for understanding what spaces are suitable to remain their current function in their current location, and which spaces are opportunities for renovation. The determination of whether a space will change use functions is determined later in the project phase. The plans featured here include Spaces to Remain (purple) and Opportunity Spaces (gold). These classifications set the stage for how to strategically approach renovations, as well as future building organization. Photos below feature key existing spaces.



FIGURE 2.11: EXISTING LIBRARY (3RD FLOOR ADMIN)

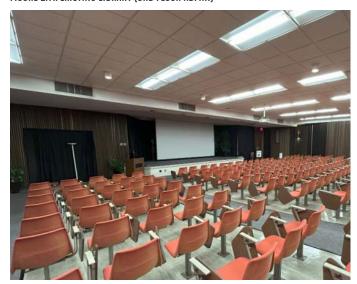
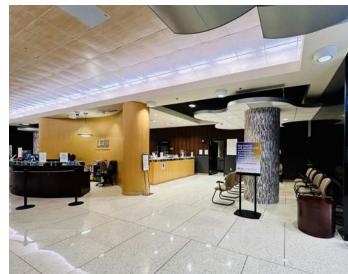


FIGURE 2.14: EXISTING AUDITORIUM C (4TH FLOOR ADMIN)



FIGURE 2.12: EXISTING STUDENT COMMON (7TH FLOOR CLINIC)



VISIONING AND PROGRAMMING

FIGURE 2.13: EXISTING MAIN PATIENT ENTRY (1ST FLOOR CLINIC)

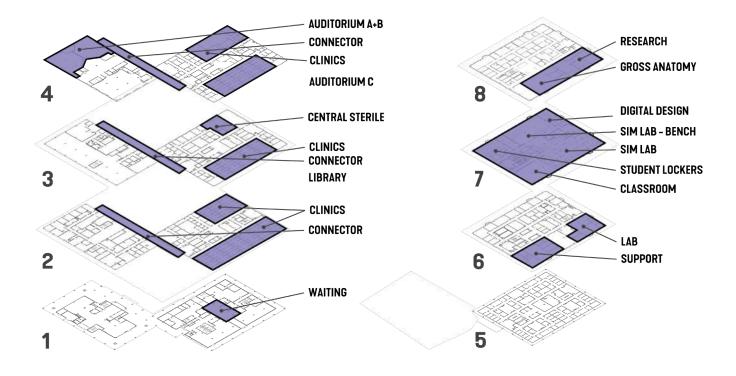


FIGURE 2.15: SPACE TO REMAIN

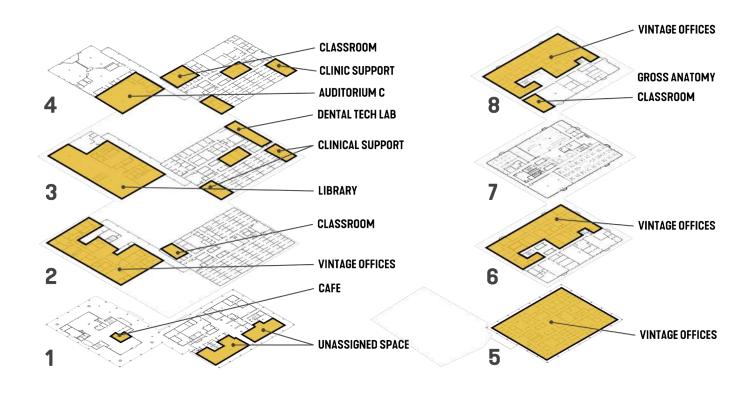


FIGURE 2.16: OPPORTUNITY SPACE

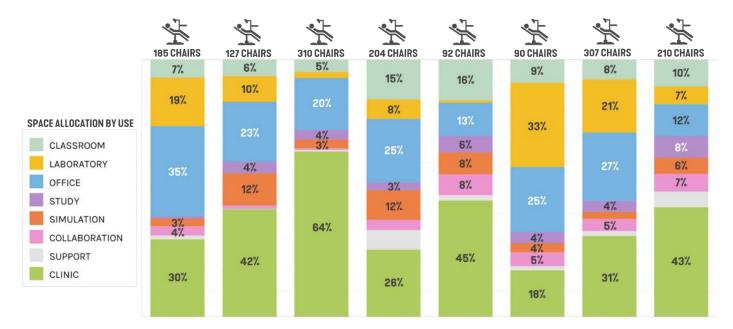


FIGURE 2.17: BENCHMARKING

#### BENCHMARKING DATA

When benchmarking peer institutions, classrooms typically account for 5-15% of the program. We anticipate changes in classroom needs and configurations in conjunction with simulation lab environments as Virtual Reality/ Augmented Reality learning expands in dental education.

Offices usually account for 15-40% of the program. Further exploration of office space is necessary to accommodate hybrid working environments and specific requirements of each institution.

Interaction and gathering spaces typically account for 8-14% of the total program. This space type continues to increase as schools encourage collaboration and foster peer-to-peer learning.

Simulation Lab typically ranges from 5-10% of the program. Clinics make up majority of the program, ranging from 30-50%. The typical size of an open

operatory has increased from 100 net square feet to 120 net square feet, requiring substantial updates to existing clinical spaces. Clinical support has increased accordingly to reinforce the growth in clinic space, as well as to accommodate additional equipment and advanced technologies.

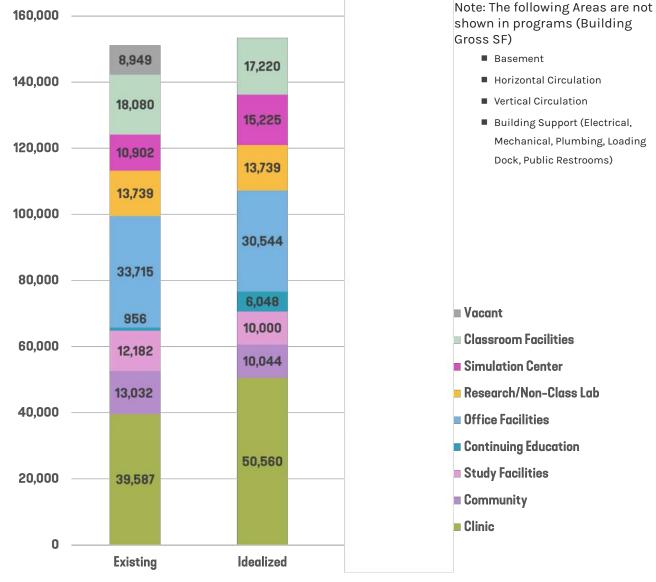


FIGURE 2.18: IDEALIZED PROGRAM

## **PROGRAM DEVELOPMENT**

The following were assumptions established at the time of this idealized program development:

- Program to focus on Dental Clinic and Dental Administration Building
- DMD Cohort will remain at 75 Students
- Program to exclude Basement Level due to Base Flood Elevation (BFE)
- Digital Lab on Level 6 and Complementary Production lab on Level 2 are to remain same square footage

 Active Research space will remain the same square footage unless noted otherwise

Understanding the existing space mix of the current School of Dentistry allowed for an idealized program to be developed. The idealized program applies contemporary "best practices" regardless of project location or constraints. By comparing the idealized program to the existing program, it is determined it is programmatically feasible to right-size the clinical spaces within the existing building square footage. This is achievable by absorbing vacant or underutilized space, and reallocating space from offices to clinics.



#### FIGURE 2.19: EXISTING, IDEALIZED, AND MASTER PLAN

The "Master Plan" program was developed by reallocating space appropriately based on the "Idealized" program, building constraints, and identified priorities. This program takes into consideration the decision to maintain the footprint of all existing operatories. To achieve a more comprehensive clinical environment, clinical support spaces are expanding.

Below is further information on how each space type is represented in the various programs.

#### CLASSROOM

Existing Main Classrooms

- Auditorium A+B: 65-70 person
- Auditorium C: 240 person

- Level 2: 30 Person (Dental); 30 Person (Admin)
- Level 3: 35 Person (Admin)
- Level 6: 50 Person
- Level 7: 150 Person
- Level 8: 20 Person

#### Idealized

- (1) Lecture Hall, 240 person
- 20 sf/ person
- (2) Large, 85 person
- 30 sf/ person
- (4) Medium, 40 person
- 30sf/ person
- (4) Seminar, 20 person

24 sf/ person

#### Master Plan

See above Idealized program

#### **SIMULATION**

#### Existing

- 100 Sim-Skills Bench; Level 7 (39 SF/ FTE)
- 100 Sim-Lab Units: Level 7 (55 SF/ FTE)

#### Idealized

- 180 Combined Units (Skills and Sim)
- (60 SF/ FTE)

#### Master Plan

- Area recently renovated
- Recommended this area receive updated technology package
- Overall, spaces will remain with current program and function

#### OFFICE

#### Existing

- Various office sizes and configurations
- Many large, enclosed, single-occupant
- Small, distributed support areas

#### Idealized

- Standardization of office strategy using Industry Standards
- Opportunity to update per LSU officing Standards
- 286 people/ 33,715 SF = 118 SF/ FTE

#### Master Plan

- Similar amount of Square Footage
- Proposed more efficient organization
- Combine shared resources
- 286 people/ 31,500 SF = 110 SF/ FTE

#### CONTINUING EDUCATION

#### Existing

■ 1 - 32-station Simulation Center (30 SF/ FTE)

#### Idealized

- 1 30-person classrooms (30 SF/ FTE)
- 1 30--station simulation
- 6 chair innovation center/ white box
- Industry Partners loan equipment; rotate

#### Master Plan

 What is the desire to re-activate/ expand CE? This will influence the strategy for Master Plan

#### COMMUNITY

#### Existing

- Library with limited small group/ single study
- 7<sup>th</sup> Floor Open Lounge
- Cafeteria with Seating
- Connector between buildings

#### Idealized

- Co-locate Resident Rooms and Shared Student Resources
- Include wellness spaces (Movement and Mental Health)

#### Master Plan

- Co-locate Resident Rooms and Shared Student Resources
- Develop Campus Community
- Healthy Food Options during operating hours
- Coffee
- Wellness Areas (movement rooms, mental health)

#### **CLINIC**

#### Existing

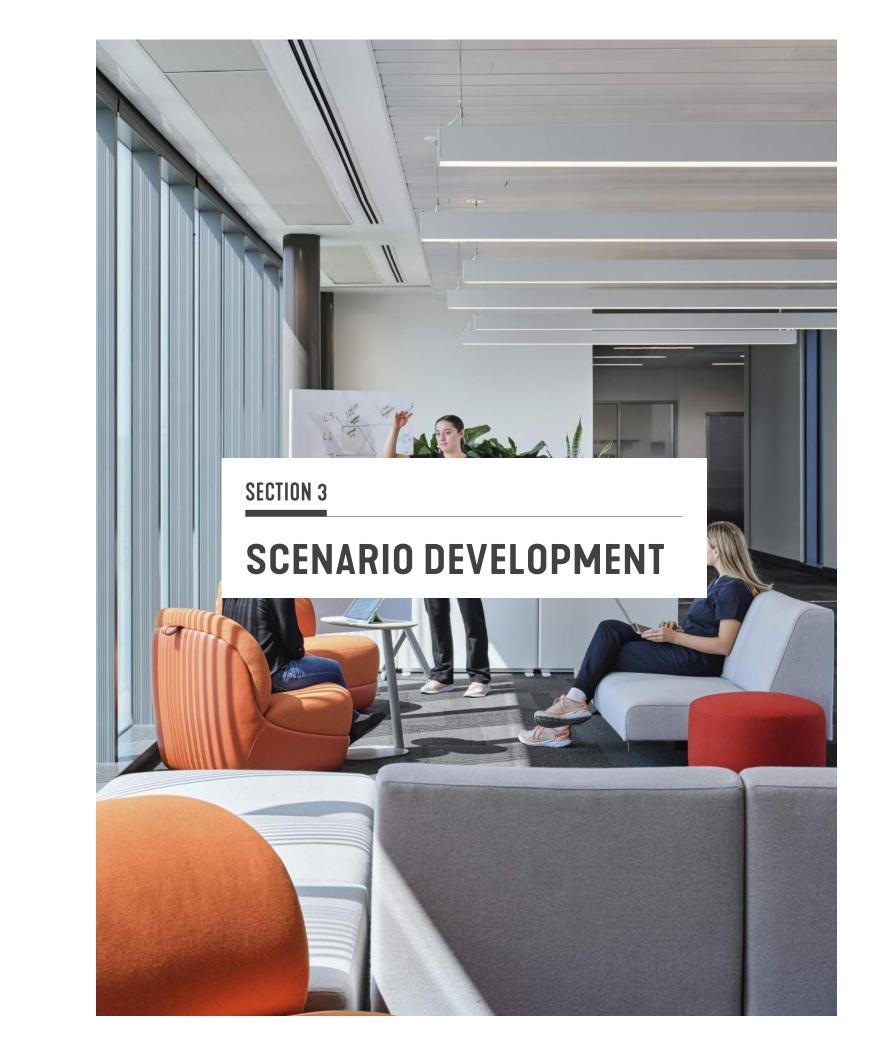
- Majority of Operatories are 80 SF
- Clinical Support below industry benchmarks (currently 75/25; ideal 65/35)
- Many offices directly adjacent to clinic

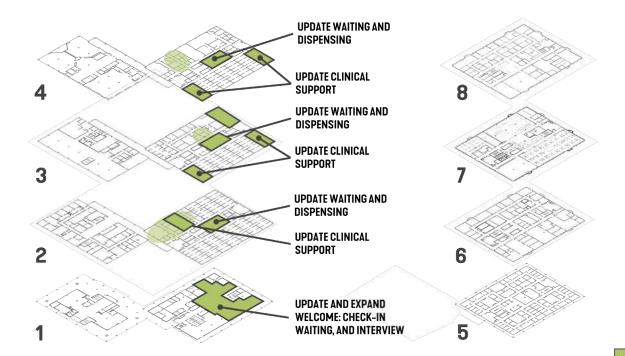
#### Idealized

- Right-Sized Operatories
- 100 SF: Pre-Doc
- 120 SF: Post-Graduate
- 140 SF: Enclosed; Distributed
- Right-Sized Clinical support to represent 40% of clinic (60/40)
- Prioritized necessary offices to be within clinic; faculty offices will be clinic adjacent

#### Master Plan

- Size and Location of Operatories will remain the same
- Update and Expand Clinical Support
- Recover about 4,000 Additional SF





CLINIC AND CLINIC SUPPORT

FIGURE 3.1: SCENARIO 1 - CLINICAL SUPPORT

## **SCENARIO 1: CLINICAL SUPPORT**

This scenario focuses on upgrading the clinical support space to minimize disruption while achieving necessary updates and improvements.

The patient experience can be enhanced by expanding and improving the check-in, waiting, and interview processes across all clinics. This initiative aims to streamline patient flow and reduce wait times.

Clinical support on Levels 2, 3, and 4, including the dispensary, soiled return areas, support laboratories, and radiology, should be right sized to ensure efficient and effective service delivery.

The current location of the chairs needs to be preserved.

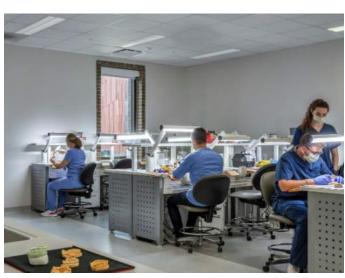


FIGURE 3.2: UNIVERSITY OF MICHIGAN - CLINICAL SUPPORT

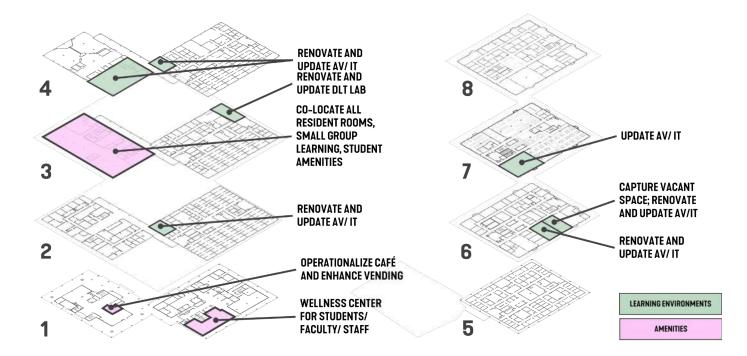


FIGURE 3.3: SCENARIO 2 - STUDENT AMENITIES

## **SCENARIO 2: STUDENT AMENITIES**

A medium level of renovation is explored in this scenario to balance cost and impact, ensuring these improvements are both feasible and beneficial.

Enhancing student amenities is essential to reinforcing the campus community. Converting the library into a hub for student amenities will create a central location for various activities. This includes colocating all resident rooms, establishing small group learning areas and resource areas to support both collaborative and independent study.

Existing classrooms will be updated with modern technology, finishes, and furniture.

To enhance the well-being of students, faculty, and staff, wellness amenities should be upgraded. This will feature expanding food options available throughout the day, re-opening the café, and re-introducing the wellness center.

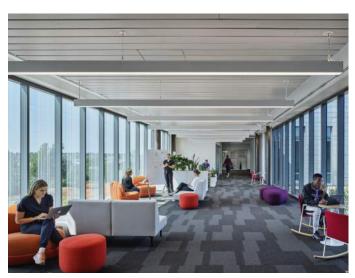
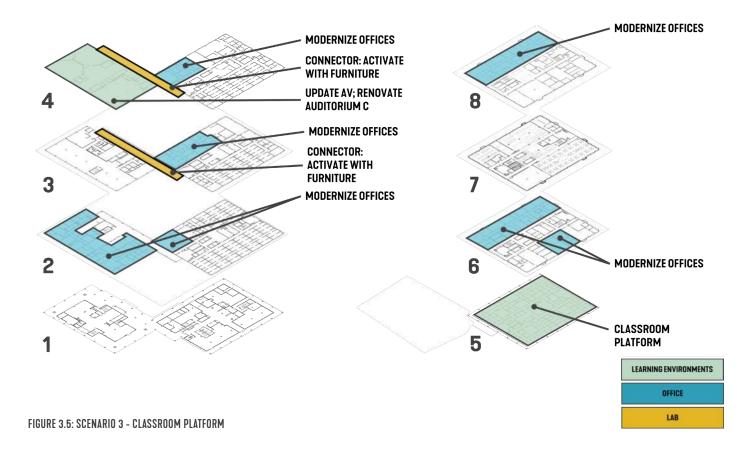


FIGURE 3.4: KANSAS CITY UNIVERSITY - STUDENT AMENITIES



## **SCENARIO 3: CLASSROOM PLATFORM**

A high level of renovation is presented to achieve the most desirable outcomes and ensure that all facilities are modernized and optimized for use.

Level 5 is proposed to be converted from offices to classrooms equipped with modern technology to centralize learning spaces. Technology in Auditoriums A and B will be updated to ensure they meet current educational standards. Auditorium C will be fully renovated to enhance the learning environment and provide modern facilities for students.

Modernizing the office strategy is another key initiative. This involves relocating vintage offices and consolidating office spaces to promote collaboration among faculty and staff. Specifically, this will affect Levels 2, 3, 4, 6, and 8 of the Dental Building, as well as Level 2 of the Administration Building.



FIGURE 3.6: KANSAS CITY UNIVERSITY - ACTIVE LEARNING CLASSROOM

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#### FIGURE 3.7: HYBRID 1

## **HYBRID 1**

#### Level 1:

- Update and expand patient check-in, waiting, and interview areas.
- Operationalize the café and improve vending services.
- Re-open the wellness center.

#### Level 2:

- Update and expand clinical support areas, including the dispensary, soiled return, and labs.
- Cosmetic renovations to operatories.
- Cosmetic renovations and technology updates in learning environments.
- Enhance breezeway collaboration areas.
- Modernize offices.

#### Level 3:

- Update and expand clinical support areas, including the dispensary, soiled return, and labs.
- Update the DLT lab.

- Expand current classroom and update technology.
- Enhance breezeway collaboration areas.
- Re-imagine the contemporary library and student study area.
- Level 4:
- Update and expand clinical support areas, including the dispensary, soiled return, and labs.
- Cosmetic renovations to operatories.
- Update technology and increase capacity in Auditoriums A and B.
- Complete renovation of Auditorium C.
- Convert the existing CE lab to a classroom.

## LEVEL 5:

■ Modernize offices.

#### Level 6:

- Expand current classroom and update technology.
- Renovate the digital center.
- Modernize offices.



#### FIGURE 3.8: HYBRID 2

#### Level 7:

Update technology in classrooms.

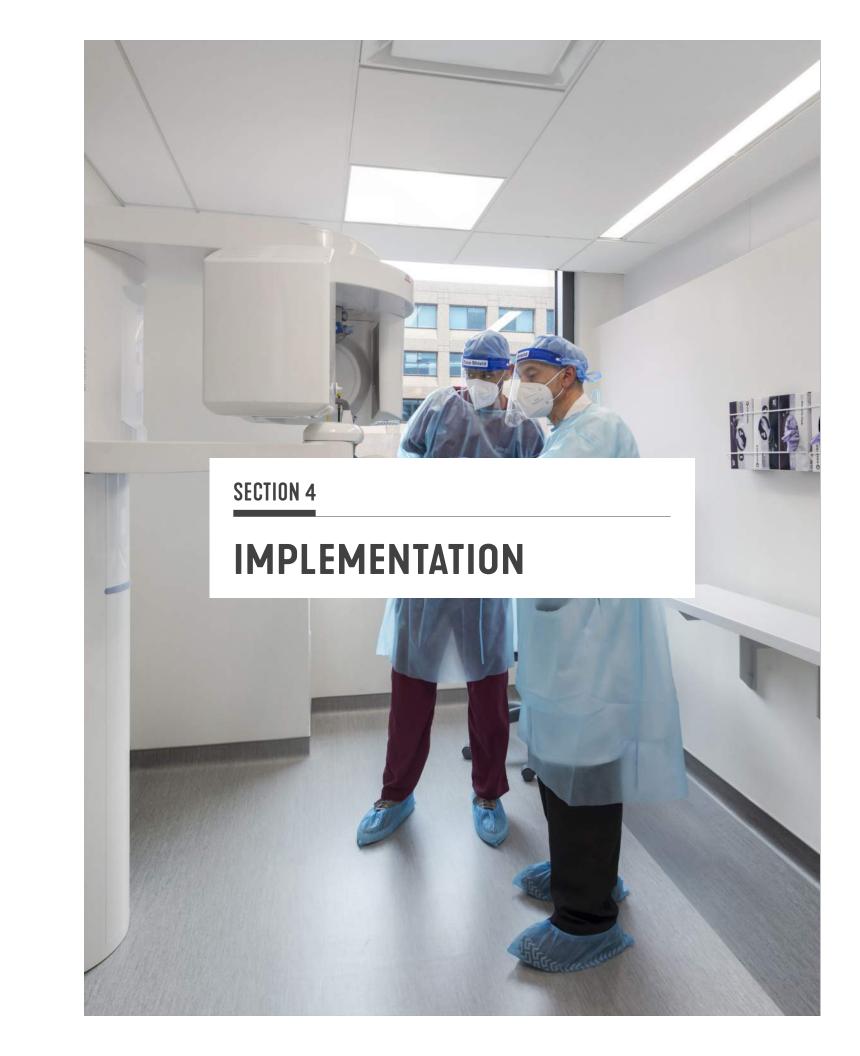
#### Level 8:

- Enhance HVAC for the gross anatomy area and adjacent classrooms.
- Modernize offices.
- Replace HVAC in the current classroom and utilize the space for storage

## **HYBRID 2**

Developed based on the Hybrid 1, Hybrid 2 option provide more extensive renovation in the following areas:

- Level 1 Amenities: Hybrid 2 includes renovating the servery and operationalizing the grill.
- Level 2 Clinical Support: Hybrid 2 includes converting existing operatories to clinical support and converting offices and media room in the Admin Building to
- Level 3 Learning Environments: Hybrid 2 includes updating the DLT lab.



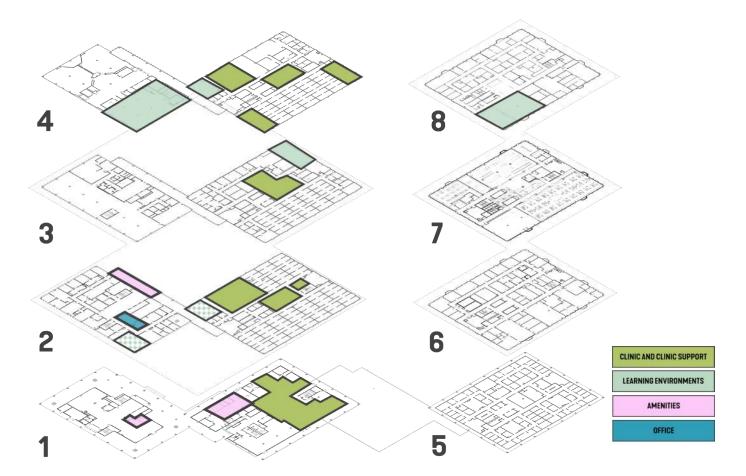


FIGURE 4.1: "BASE MODEL" OPTION PLANS

## "BASE MODEL" OPTION

The "Base Model" Option is an affordable approach with big impact including several key improvements across various space functions.

While most operatories remain untouched, clinical support areas will see upgrades, particularly in the dispensary and lab areas across multiple levels. Additionally, perimeter clinical support areas will undergo renovations to improve functionality and efficiency. To improve the entry experience, enhancements will be made to create a more welcoming and efficient entry process.

It was determined the first floor can now be occupied with programmatic space due to adjustments in the Base Flood Elevation (BFE). LSU Facilities supported this action. The floor plan on the adjacent page illustrates how the first floor can be utilized. A checkin desk welcomes patients into the building and directs them to their clinic floor to wait. Interviewing

is situated adjacent the check-in to determine a candidates suitability. Additionally, a wellness center is located near the student and faculty entry for their use while on campus.

Classrooms will benefit from technology upgrades, ensuring a modern and effective learning environment. The development of a dental tech lab is included in the plan, providing advanced facilities for dental education and training.

Student amenities will be enhanced with the introduction of a breezeway furniture solution. The Student Affairs Office will also be updated to better meet the needs of the student body. For the café and vending services, the plan involves operationalizing the café and enhancing vending options to better serve the community.

Finally, the HVAC system for the gross anatomy area and adjacent classrooms will be enhanced to ensure a comfortable and conducive learning environment.

#### PROJECT IMPACT

#### LEVEL 1

- Operationalize Café and Improve Vending
- Enhance Patient Entry Experience

#### LEVEL 2

- Technology Upgrades in Classrooms
- Clinical Support Dispensary and Labs
- Student Amenities
- Breezeway Furniture Solution
- Student Affairs Office

#### LEVEL 3

- Clinical Support Dispensary
- Dental Tech Lab

#### LEVEL 4

- Clinical Support Dispensary
- Renovate in Place perimeter clinical support

#### LEVEL 8

 Enhance HVAC for Gross Anatomy and adjacent Classroom

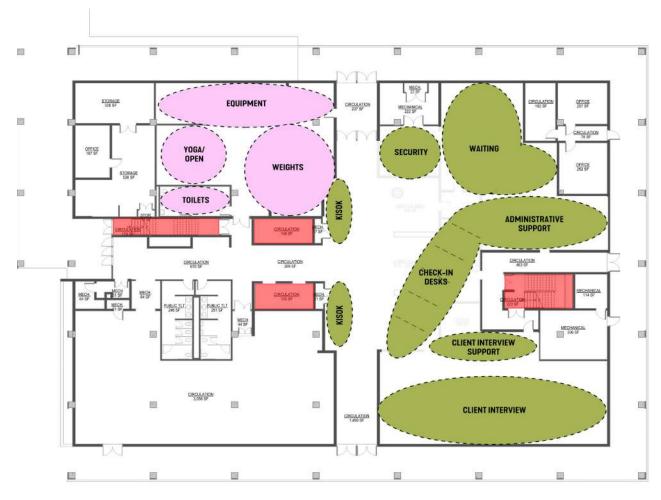


FIGURE 4.2: FIRST IMPRESSIONS ENTRY EXPERIENCE - LEVEL 1 CLINIC BUILDING

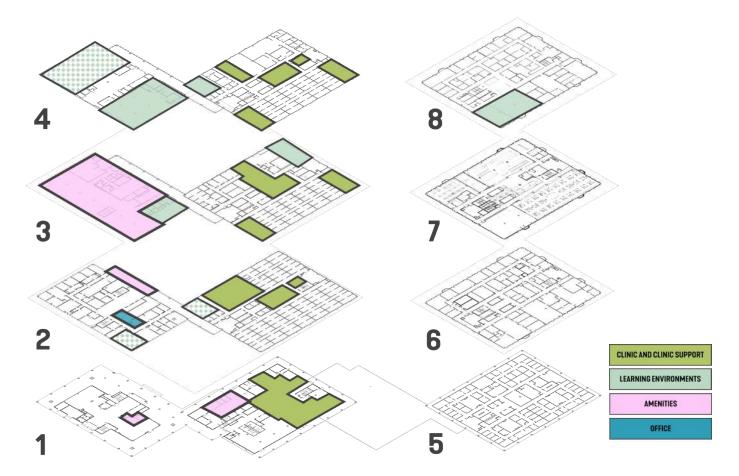


FIGURE 4.3: "MID-RANGE OPTION" PLANS

## "MID-RANGE" OPTION

The "Mid-Range" option is a balance of affordability and amenities including extensive improvements across various space functions.

Clinical support areas will see upgrades similar to the "Base Model" option, including the development of a dental tech lab and enhancements to dispensary and lab areas. Enhancements to the patient entry experience will create a more welcoming and efficient entry process. (See Plan on previous page).

Classrooms will benefit from technology upgrades, ensuring a modern and effective learning environment. Auditoriums A and B will undergo cosmetic renovations and seat additions, while Auditorium C will receive a full renovation to modernize the space. This option also includes the expansion and enhancement of classrooms to accommodate more students and improve learning conditions.

Student amenities will be improved with various initiatives, including the introduction of new furniture solutions in breezeway areas and the reimagining of the library to better serve student needs. The wellness center will be reopened to promote overall well-being for students and faculty. The plan also involves operationalizing the café and enhancing vending options to better serve the community.

Figure 4.4 illustrates a concept for re-programming the current Library space. The goal with this concept is to continue to provide library and bookstore services, but with a modern approach while providing the desired student study spaces: both social and quiet.

Public-facing offices, such as Student Affairs, will be refreshed to create a more professional and welcoming environment.

Finally, the HVAC system for the gross anatomy area and adjacent classrooms will be enhanced to ensure a comfortable and conducive learning environment.

PREFERRED SCENARIO

#### PROJECT IMPACT

#### LEVEL 1

- Operationalize Café and Improve Vending
- Enhance Patient Entry Experience
- Student and Faculty Wellness Center

#### LEVEL 2

- Technology Upgrades in Classrooms
- Clinical Support
- Student Amenities
- Refresh Public facing Offices

#### LEVEL 3

- Clinical Support
- Dental Tech Lab
- Expand and Enhance Classroom

• Library Reimagined

#### LEVEL 4

- Clinical Support
- Renovate Classrooms
- Cosmetic Renovations of Aud A and B: Add Seats
- Full Renovation of Aud C

#### LEVEL 8

• Enhance HVAC for Gross Anatomy and adjacent Classroom

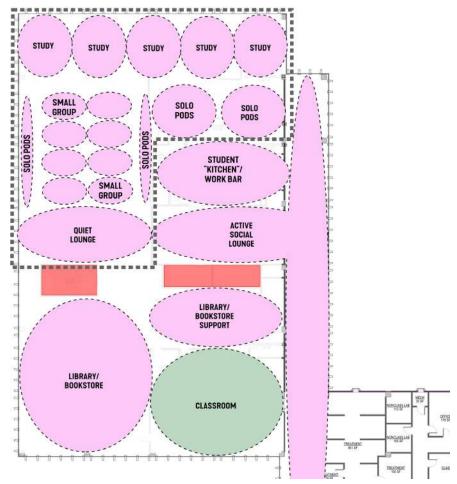


FIGURE 4.4: LIBRARY AND STUDENT STUDY CENTER - LEVEL 3 ADMIN BUILDING

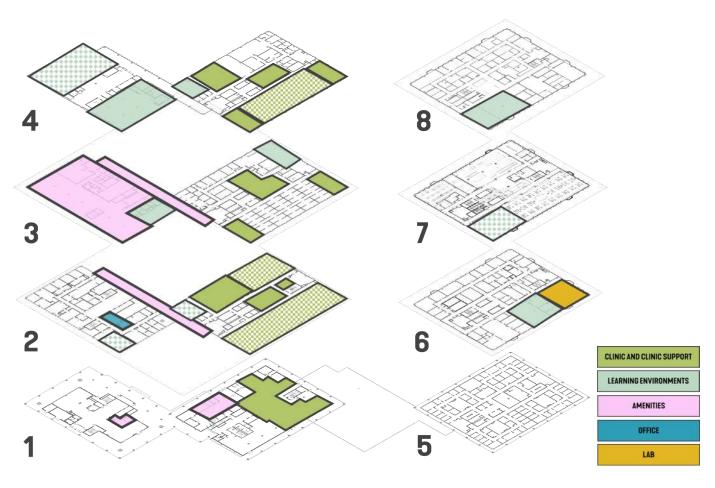


FIGURE 4.5: "PREMIUM PRODUCT" OPTION

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## "PREMIUM PRODUCT" OPTION

The "Premium Product" Option includes comprehensive improvements across all space functions completely reimagining LSUHCS School of Dentistry.

This option builds upon the "Mid-Range" Option.

Outdated operatories will receive cosmetic renovations.

Clinical support areas will see upgrades and expansion.

Enhancements to the patient entry experience will be similar to the other options.

Digital lab will be renovated to ensure a modern and effective learning environment. Classrooms will benefit from either technology upgrades or complete renovation and expansion, accommodating more students and improving learning conditions.

Student amenities will be improved with various initiatives, including breezeway areas, wellness center, and café to better serve the community.

Public-facing offices will be refreshed to create a more

professional and welcoming environment.

HVAC system for the gross anatomy area and adjacent classrooms on Level 8 will be enhanced to ensure a comfortable and conducive learning environment.

In summary, the "Premium Product" Option includes cosmetic renovations to operatories, more extensive upgrades in clinical support areas, renovation of the digital lab on Level 6, and additional classroom technology upgrades on Level 7.

#### PROJECT IMPACT

#### LEVEL 1

- Operationalize Café and Improve Vending
- Enhance Patient Entry Experience
- Student and Faculty Wellness Center

#### LEVEL 2

- Technology Upgrades in Classrooms
- Clinical Support
- Student Amenities
- Refresh Public facing Offices

#### LEVEL 3

- Clinical Support
- Dental Tech Lab
- Expand and Enhance Classroom

• Library Reimagined

#### LEVEL 4

- Clinical Support
- Renovate Classrooms

#### LEVEL 6

- Expand Classroom
- Renovate Digital Lab

#### LEVEL 7

Technology Upgrades in Classrooms

#### LEVEL 8

 Enhance HVAC for Gross Anatomy and adjacent Classroom



FIGURE 4.6: KANSAS CITY UNIVERSITY - OPERATORY DESIGN



FIGURE 4.7: KANSAS CITY UNIVERSITY - PATIENT WAITING

## **EXISTING INFRASTRUCTURE**

The previous pages showcased various planning strategies to reimagine the existing Clinic and Admin building for Louisiana State University School of Dentistry. The following pages will provide more detail on the building infrastructure work that would need to be complete to support the planning options.

Accessible accommodations will need to be provided in various areas of the buildings, including restrooms. The plans on this page identify the existing restrooms that will need to undergo renovation to achieve the area required by accessible codes and guidelines. Additionally, there are several new gender neutral/ single occupancy proposed. More detailed information on the plumbing calculations can be found in the appendix.





FLOOR 7

FLOOR 8



## FLOOR 1

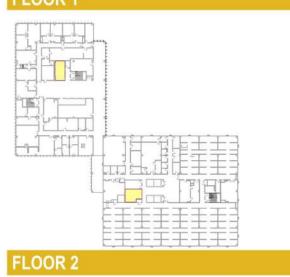


FIGURE 4.8: LOCATION OF RESTROOMS TO BE RENOVATED - FLOORS 1-4





FIGURE 4.9: LOCATION OF RESTROOMS TO BE RENOVATED - FLOORS 5-8

FLOOR 5

## THE ADMINISTRATION BUILDING

#### FOUNDATION

The foundation is pile-supported, with concrete pile caps with concrete grade beams spanning between the columns. The foundation seems in good condition, and we recommend no work.

#### SUBSTRUCTURE

The basement is roughly 15'-0" below grade. The perimeter walls are 10" thick cast-in-place concrete walls, with a 1" cementitious waterproof barrier applied to the interior walls and a 3" tapered waterproof barrier applied to the floor. The basement cannot be used for any program element, including storage. The substructure seems in good condition, and we recommend no work.

#### SUPERSTRUCTURE

The building is a 4-story building. The superstructure is cast-in-place concrete. Columns are spaced 25'-0" in one direction and 23'-9" in the other. Between columns and around the perimeter, 30" deep concrete beams support a 10" two-way slab. The superstructure seems in good condition, and we recommend no work.

#### **EXTERIOR CLOSURE**

#### PRECAST

The precast is an exposed aggregate precast concrete panel. The thickness ranges from 18" thick at the punched openings, 5" at the areas in between the windows, and 3" at each floor slab edge. The gravity and lateral structural support occur at each floor level. When the caulking was redone, a clear sealer was installed on the precast panels. The precast seems in good condition, and we recommend no work.

#### PRECAST CAULKING

The precast caulking is a Dow Corning 790 Silicone Building Sealant. The exterior precast joints were re-caulked roughly eight (8) years ago. The precast caulking seems in good condition, and we recommend no work.

#### **GRANITE**

The granite is 1" thick black granite on the exterior wall

of the recessed first floor. It is in good condition but should be cleaned.

#### **GRANITE CAULKING**

The caulking at the granite is a Dow Corning 795
Silicone Building Sealant. This caulking is the original
calking and is cracking in numerous locations. It is
recommended to remove the existing caulking and
replace it with new using Dow Corning 795 Silicone
Building Sealant.

#### WINDOWS

The window system is a 44" wide x 72" high single-pane window with a  $5\frac{1}{2}$ " deep x  $1\frac{1}{2}$ " wide aluminum frame. The glazing is tinted "Solar Bronze." The windows are original to the building. All windows have been identified as a water intrusion area. It is recommended that all existing windows be removed and replaced with new, code-compliant windows.

#### ROOF

The existing roof is a two-ply modified bitumen roof over tapered insulation. The roofing looks in good condition, and we recommend no work.

#### SERVICE SYSTEMS

#### CONVEYING

All elevators in the building are currently working and in good order. We recommend no work.

#### MECHANICAL

Please see the end of this document for this scope of work.

#### ELECTRICAL

Please see the end of this document for this scope of work,

#### SAFETY STANDARDS

#### **EGRESS**

The existing means of egress in the building is compliant with all building codes. The corridors are not rated but are not required to be rated. They are an appropriate width. The exit stairs are the

required dimensions away from each other and are of appropriate width. Both stairs deposit you directly outside once you get to the first floor, as the code requires.

#### FIRE RATINGS

As far as we can tell, all required fire ratings are in place. Typically, with older buildings, as long as the fire ratings were in compliance with the building codes for the year it was designed/ constructed, they are grandfathered in when codes are updated. When renovations occur, those renovations would be constructed using the current building codes. There is no reason to think this has not been done throughout the life of the building.

#### EXTINGUISHING SYSTEMS

The Admin building does not have a suppression system. It is recommended to install a suppression system during the renovations. Please refer to MEP section below for additional information.

#### DETECTION AND ALARM

The Admin building has an alarm system that is compliant with current codes and standards. Any renovations to the existing building would require the alarm system to be upgraded per the revised

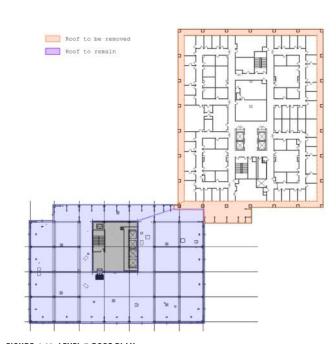


FIGURE 4.10: LEVEL 5 ROOF PLAN

design. Please refer to MEP section below for additional information.

#### **EMERGENCY POWER**

The building's essential services are on emergency power. It is recommended to add any additional essential services that will be constructed during the renovations. Please refer to MEP section below for additional information.

#### HANDICAPPED ACCESS

#### CIRCULATION

The building has one ADA entrance ramp located on the northwest side of the building. It is constructed of concrete and pipe rail. It runs from the existing "horseshoe" drop-off area up to the first floor exterior deck. We want to remove this ramp and relocate it to the opposite side of the "horseshoe."

#### ENVIRONMENTAL

#### **ABATEMENT**

There no asbestos located in this building.

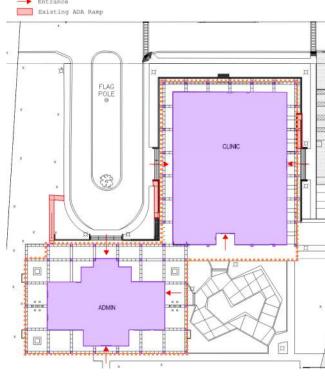


FIGURE 4.11: LEVEL 1 ACCESS POINTS

#### THE CLINIC BUILDING

#### FOUNDATION

The foundation is pile-supported, with concrete pile caps with concrete grade beams spanning between the columns. The foundation seems in good condition, and we recommend no work.

#### SUBSTRUCTURE

The basement is roughly 15'-0" below grade. The perimeter walls are 10" thick cast-in-place concrete walls, with a 1" cementitious waterproof barrier applied to the interior walls and a 3" tapered waterproof barrier applied to the floor. The basement cannot be used for any program element, including storage. The substructure seems in good condition, and we recommend no work.

#### SUPERSTRUCTURE

The building is a 4-story building. The superstructure is cast-in-place concrete. Columns are spaced 25'-0" in one direction and 23'-9" in the other. Between columns and around the perimeter, 30" deep concrete beams support a 10" two-way slab. The superstructure seems in good condition, and we recommend no work.

#### **EXTERIOR CLOSURE**

#### **PRECAST**

The precast is an exposed aggregate precast concrete panel. The thickness ranges from 18" thick at the punched openings, 5" at the areas in between the windows, and 3" at each floor slab edge. The gravity and lateral structural support occur at each floor level. When the caulking was redone, a clear sealer was installed on the precast panels. The precast seems in good condition, and we recommend no work.

#### PRECAST CAULKING

The precast caulking is a Dow Corning 790 Silicone Building Sealant. The exterior precast joints were re-caulked roughly eight (8) years ago. The precast caulking seems in good condition, and we recommend no work.

#### GRANITE

The granite is 1" thick black granite on the exterior wall of the recessed first floor and on the fifth-floor balcony. It is in good condition but should be cleaned.

#### GRANITE CAULKING

The caulking at the granite is a Dow Corning 795 Silicone Building Sealant. This caulking is the original calking and is cracking in numerous locations. It is recommended to remove the existing caulking and replace it with new using Dow Corning 795 Silicone Building Sealant.

#### WINDOWS

The window system is a 24" wide x 60" high single-pane window with a 5 ½" deep x 1 ½" wide aluminum frame. The glazing is tinted "Solar Bronze." On the fifth floor, the exterior wall is recessed into the building, roughly 5'-0". This recess creates a wrap-around balcony accessible through glass entrance doors at the end of each hallway. Here, there is a full-height storefront glazing system, roughly 8'-0" high, with a spandrel panel at the base of the system. All windows have been identified as a water intrusion area. It is recommended that all existing windows be removed and replaced with new, code-compliant windows and window systems.

#### Roof

The existing roof is a two-ply modified bitumen roof over tapered insulation. The main roof and the roof at the fifth floor balcony are in very poor condition. These roofs have been identified as locations for existing, persistent leaks, and therefore, it is recommended to remove the existing roof and tapered system and replace it with a new two-ply modified bitumen roof system over new tapered insulation.

#### SERVICE SYSTEMS

#### CONVEYING

The existing freight elevator is not operational and is in need of a complete renovation. We recommend replacing the entire elevator with a new freight elevator.

#### **MECHANICAL**

Please see the appendix for this scope of work.

#### ELECTRICAL

Please see the appendix for this scope of work,

#### SAFETY STANDARDS

#### **EGRESS**

The existing means of egress in the building is compliant with all building codes. The corridors are not rated but are not required to be rated. They are an appropriate width. The exit stairs are the required dimensions away from each other and are of appropriate width. One stair deposits you directly outside on the first floor and the second stair deposits you into a protected egress corridor that then deposits you directly outside.

#### Fire ratings

As far as we can tell, all required fire ratings are in place. Typically, with older buildings, as long as the fire ratings were in compliance with the building codes for the year it was designed/constructed, they are grandfathered in when codes are updated. When renovations occur, those renovations would be constructed using the current building codes. There is no reason to think this has not been done throughout the life of the building.

#### **EXTINGUISHING SYSTEMS**

The Clinic building has a suppression system and is in code compliance. Any renovations to the existing building would require the suppression system to be upgraded per the revised design. Please refer to MEP section below for additional information.

#### DETECTION AND ALARM

The Admin building has an alarm system that is compliant with current codes and standards. Any renovations to the existing building would require the alarm system to be upgraded per the revised design. Please refer to MEP section below for additional information.

#### **EMERGENCY POWER**

The building's essential services are on emergency power. It is recommended to add any additional essential services that will be constructed during

the renovations. Please refer to MEP section below for additional information.

#### HANDICAPPED ACCESS

#### CIRCULATION

The building has two existing ADA ramps. One is on the east side of the building, which is part of the original construction, and the other is on the west side of the building, which was constructed during the addition of the Annex. The one that is original to the building is non-compliant due to dimensional inadequacies at the bottom landing. The one that was built with the Annex is a temporary ramp made of textured plate steel. This one is code-compliant but because of its construction, we would like to remove and replace it with a new one.

#### ENVIRONMENTAL

## ABATEMENT

Asbestos tile and mastic is prevalent on floors 2 to 6 of this building. If renovations are performed in areas with asbestos tiles and mastic, it is recommended to remediate those areas prior to the renovations.

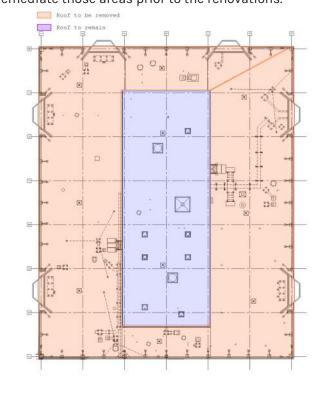


FIGURE 4.12: ROOF PLAN: CLINIC BUILDING

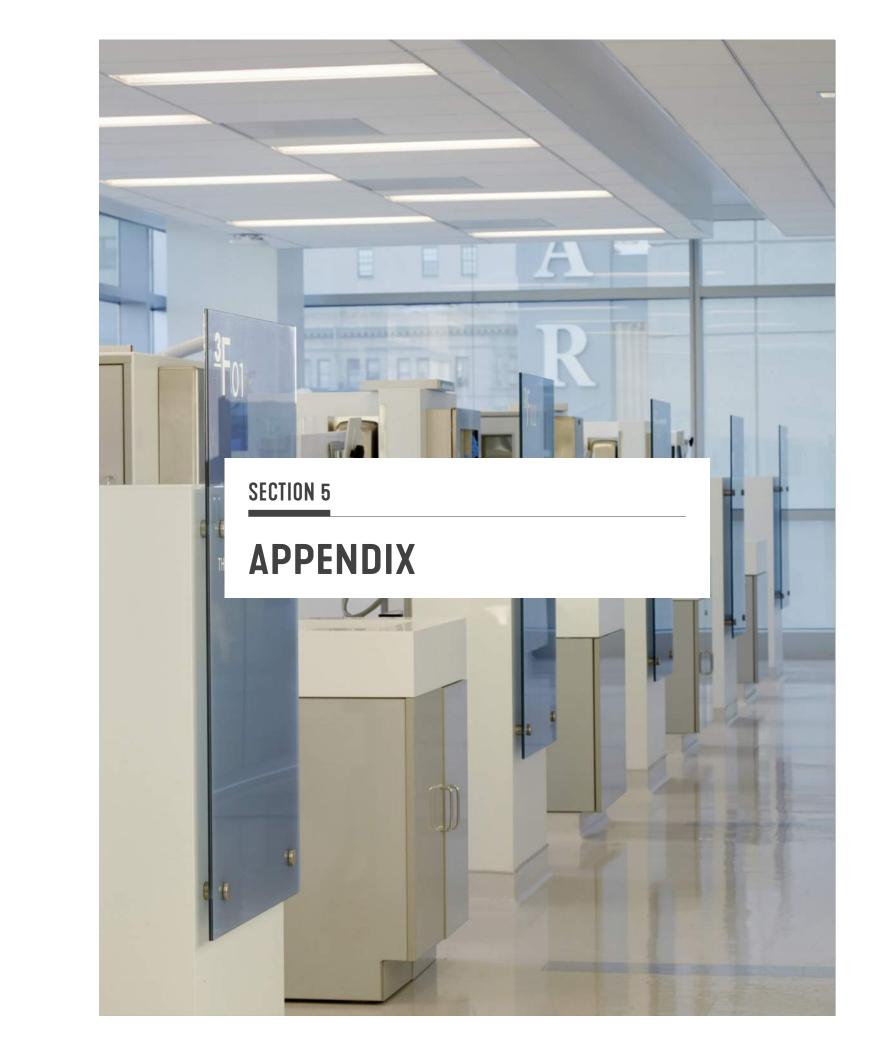






FIGURE 5.1: "BASE MODEL" OPTION AREA PLAN LEVEL 1

FIGURE 5.2: "BASE MODEL" OPTION AREA PLAN LEVEL 2





FIGURE 5.3: "BASE MODEL" OPTION AREA PLAN LEVEL 3

FIGURE 5.4: "BASE MODEL" OPTION AREA PLAN LEVEL 4

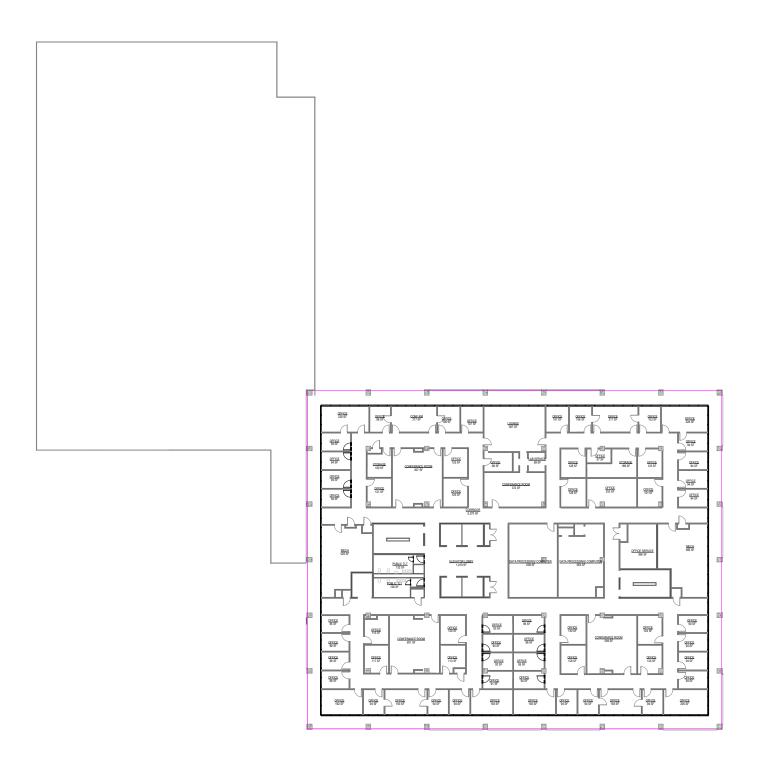




FIGURE 5.5: "BASE MODEL" OPTION AREA PLAN LEVEL 5

FIGURE 5.6: "BASE MODEL" OPTION AREA PLAN LEVEL 6

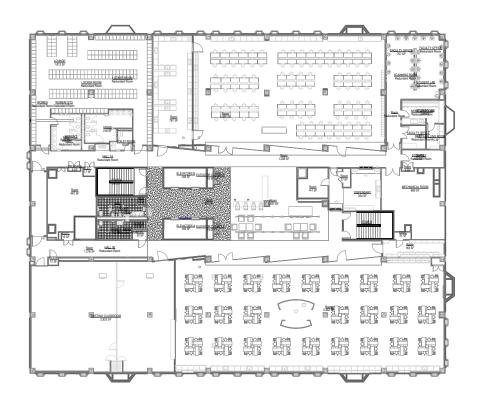




FIGURE 5.7: "BASE MODEL" OPTION AREA PLAN LEVEL 7

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FIGURE 5.8: "BASE MODEL" OPTION AREA PLAN LEVEL 8





FIGURE 5.9: "MID-RANGE" OPTION AREA PLAN LEVEL 3

FIGURE 5.10: "MID-RANGE" OPTION AREA PLAN LEVEL 4

ONLY THE LEVELS THAT DIFFER FROM THE "BASE MODEL" OPTION ARE PRESENTED HERE.





FIGURE 5.11: "PREMIUM PRODUCT" OPTION AREA PLAN LEVEL 2

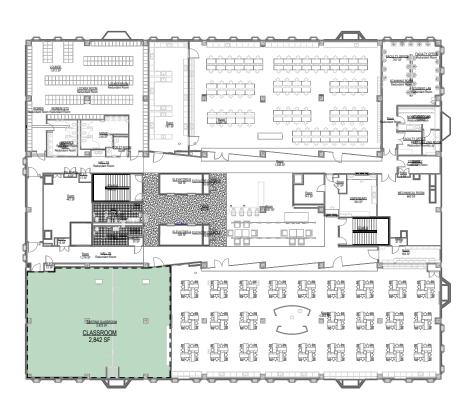
FIGURE 5.12: "PREMIUM PRODUCT" OPTION AREA PLAN LEVEL 3





FIGURE 5.13: "PREMIUM PRODUCT" OPTION AREA PLAN LEVEL 4

FIGURE 5.14: "PREMIUM PRODUCT" OPTION AREA PLAN LEVEL 6



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# Design a Better Future

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### **EXECUTIVE MEETING AGENDA**

INTRODUCTIONS AND GOALS **PATIENT EXPERIENCE CLINIC SUPPORT** LEARNING ENVIRONMENTS **AMENITIES ACADEMIC SUPPORT** 





# "BASE PROJECT"

**CLINIC AND CLINIC SUPPORT** 

**LEARNING ENVIRONMENTS** 

**AMENITIES** 

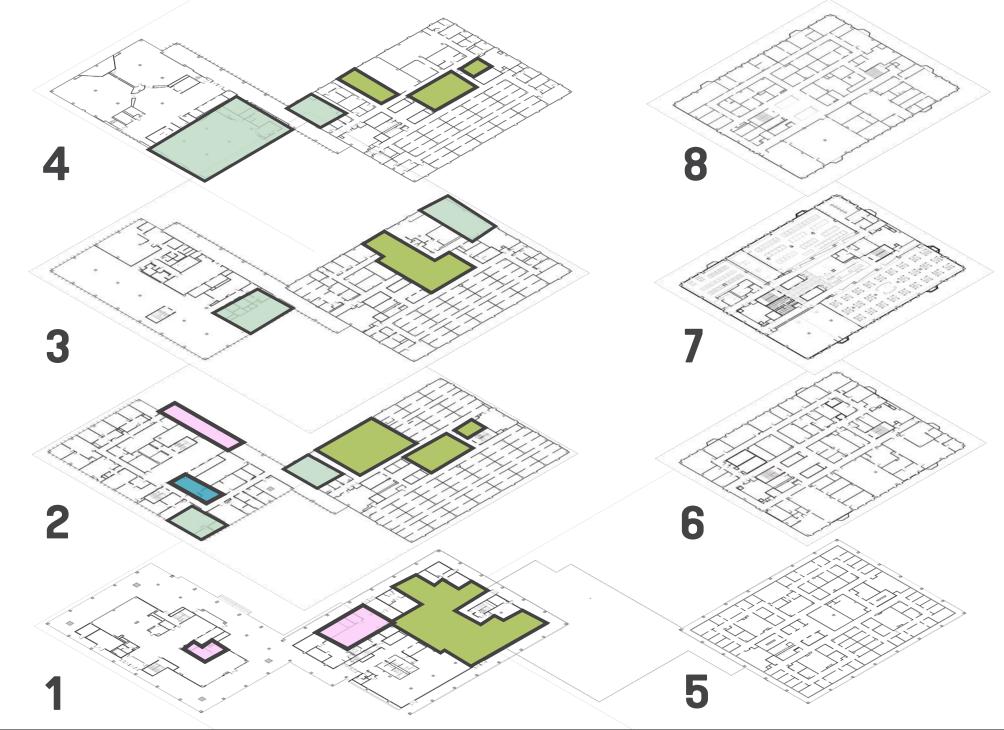
**OFFICE** 

### **Project Impact**

- LEVEL 1
  - Operationalize Café and Improve Vending
  - **Enhance Patient Entry Experience**
  - Student and Faculty Wellness
- LEVEL 2
  - Classroom Refresh
  - Clinical Support: Dispensary and Production Lab
  - Student Amenities
  - Refresh Public facing Offices
- LEVEL 3
  - Clinical Support: Dispensary
  - **Dental Tech Lab**
  - Expand and Enhance Classroom
  - Library Reimagined
- LEVEL 4
  - Clinical Support: Dispensary
  - Renovate Classrooms
    - Cosmetic Renovations of Aud A and B; Add Seats

Executive Workshop 3

Full Renovation of Aud C

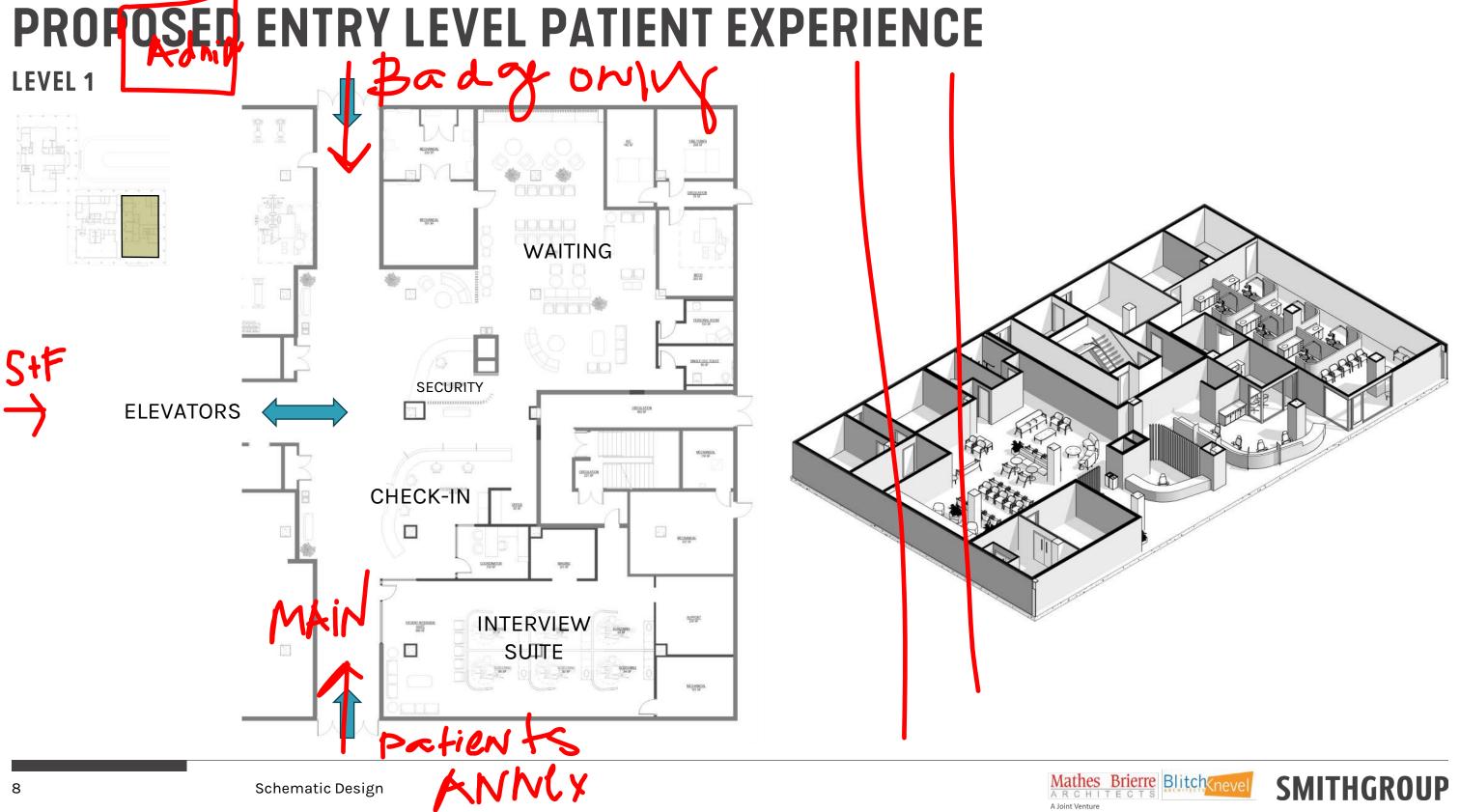




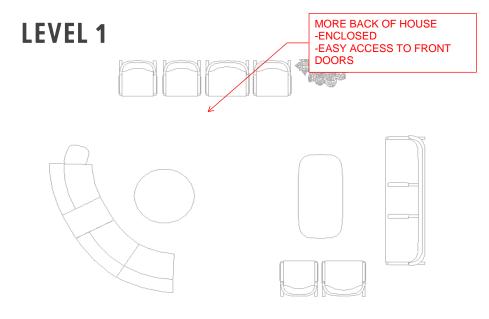
# PATIENT EXPERIENCE

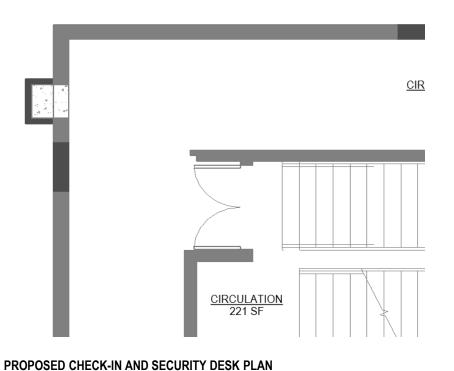






# PROPOSED PATIENT CHECK-IN & SECURITY



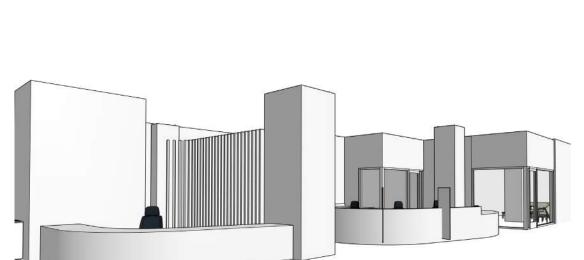








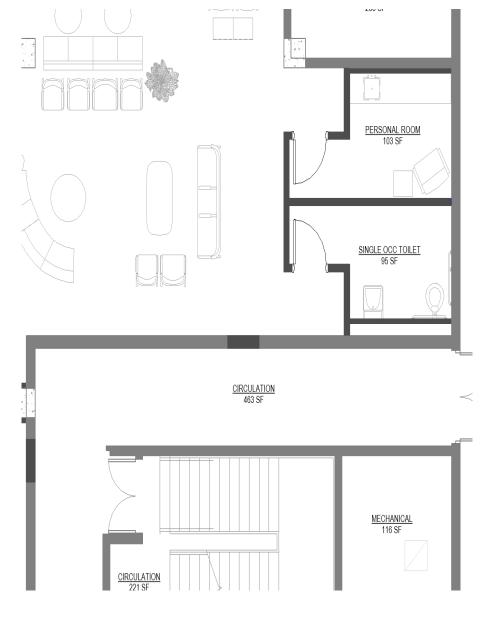
- SECURITY DESK FOR UPTO TWO PEOPLE
- CHECK-IN DESK WITH FOUR STATIONS AND ADDITIONAL STATION FOR FUTURE GROWTH
- BACKROOM SUPPORT SPACE
- COORDINATOR OFFICE ADJACENT TO CHECK-IN
- ADJACENT TO ENTRY OF INTERVIEW SUITE
- DIRECT CONNECTION TO WAITING AREA



3D VIEW - CHECK-IN AND SECURITY DESK



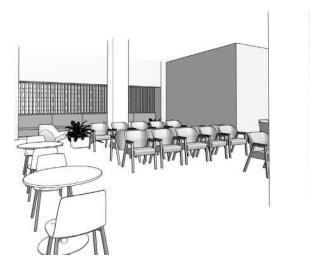
### LEVEL 1



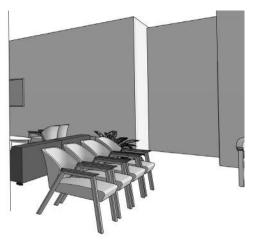












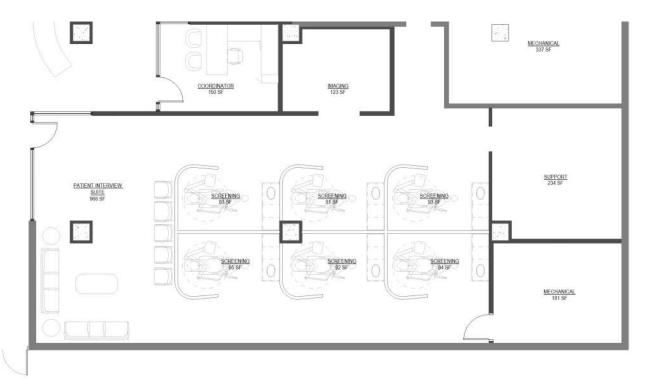
- SPACIOUS LAYOUT WITH A VARIETY OF **SEATING TYPES AND GROUPINGS**
- **INCREASED SEAT COUNT FROM 25 TO** 64
- ADDITIONAL SPACE FOR SINGLE OCCUPANCY ACCESSIBLE TOILET **ROOM AND PERSONAL ROOM**





# PROPOSED INTERVIEW (PRE-SCREENING) SUITE

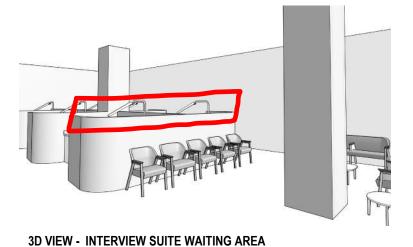
### LEVEL 1







#### PROPOSED INTERVIEW SUITE PLAN



3D VIEW - SCREENING CUBICLE

- SIX SCREENING CUBICLES WITH INDIVIDUAL HAND SINKS AND 5.5LF COUNTER SURFACE WITH STORAGE
- DEDICATED SMALL WAITING AREA WITH 11 SEATS
- IMAGING ROOM INTERNAL TO SUITE
- SUPPORT SPACE



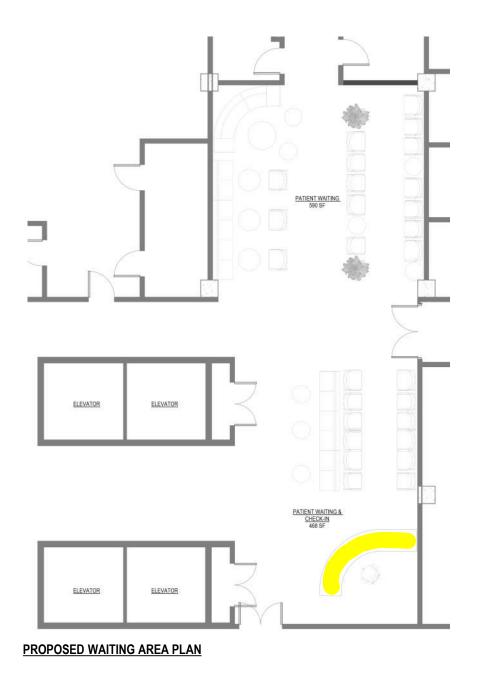
### PATIENT EXPERIENCE

### **QUESTIONS FOR PROPOSED LEVEL 1 LAYOUT**

- 1. Confirm location of Coordinator Office location. Is it preferred behind the desk with oversight over staff or located more accessible to patient and visitors?
- 2. What level of security is required of the check-in desk?
- 3. Is the addition of a single occupancy toilet room and personal room a desirable amenity?
- 4. Is there any need for patient transport chairs or wheelchair parking?



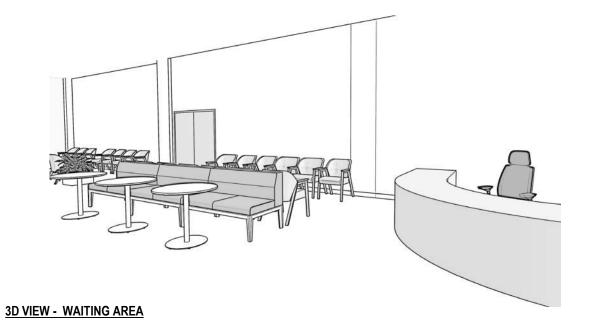
### LEVEL 2









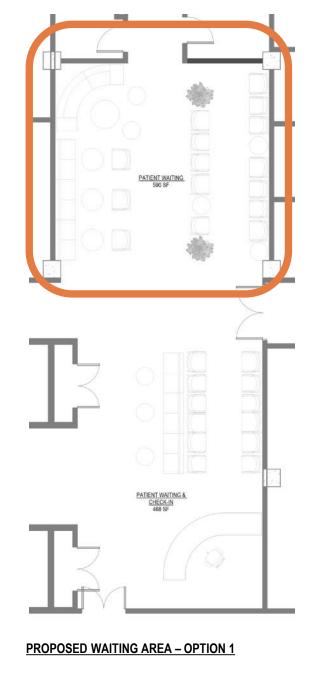


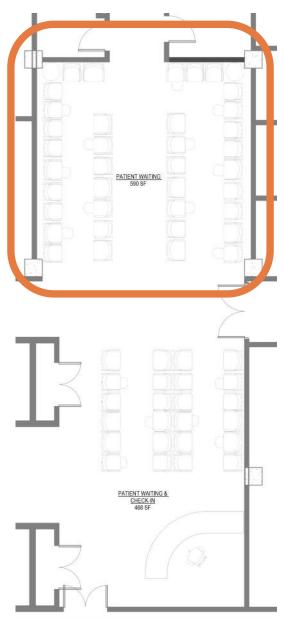
- SPACIOUS LAYOUT WITH A VARIETY OF **SEATING TYPES AND GROUPINGS**
- **INCREASED SEAT COUNT FROM 45 TO** 47



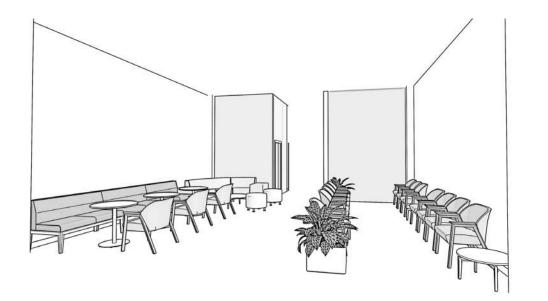


### LEVEL 2 WAITING SEAT COUNT OPTIONS



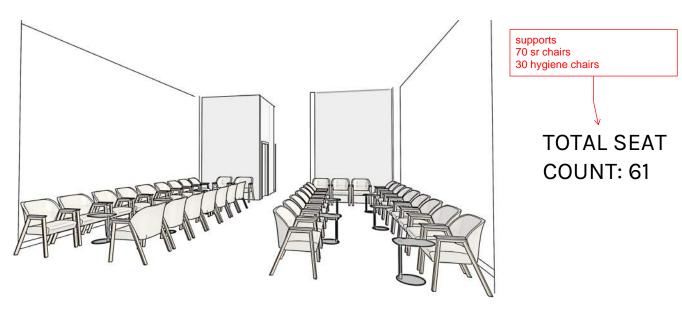


**PROPOSED WAITING AREA – OPTION 2** 



TOTAL SEAT COUNT: 47

3D VIEW - WAITING AREA OPTION 1

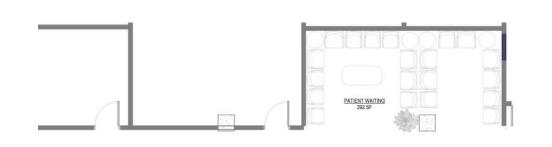


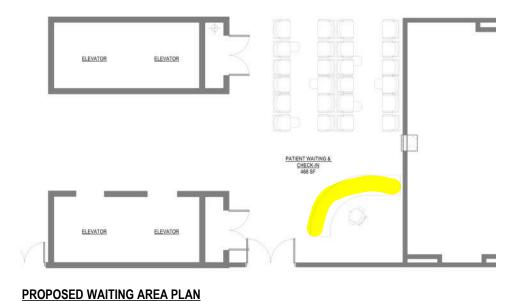
3D VIEW - WAITING AREA OPTION 2





**LEVEL 3** 











- TIGHTER LAYOUT WITH SINGLE AND BARIATRIC SEATING ONLY
- SEAT COUNT OF 44



### LEVEL 4





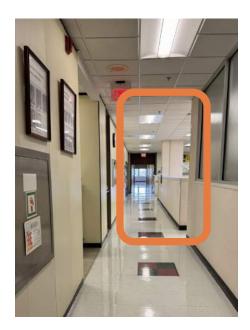
- SPACIOUS LAYOUT WITH A VARIETY OF SEATING TYPES AND GROUPINGS
- INCREASED SEAT COUNT FROM 45 TO 74 INCLUDING PEDIATRIC WAITING AREA
- PEDIATRIC PLAY AREA WITH CHILDREN SEATING TO ACCOMMODATE APPROXIMATELY 10 KIDS

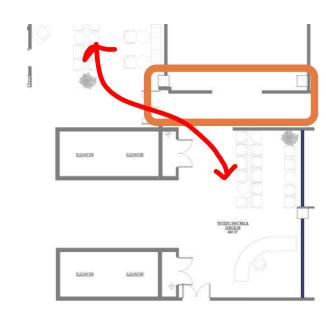
### PATIENT EXPERIENCE

### **QUESTIONS FOR PROPOSED LEVEL 2 THRU 4**

- 1. What programmatic functions could happen at a check-in/check-out desk?
- 2. What level of security is required of the check-in/check-out desk?
- 3. Should access to pediatrics be a single point off main circulation?
- 4. Proposition of a light level of intervention at edge of the pediatric clinic and the

corridor to enhance the patient experience









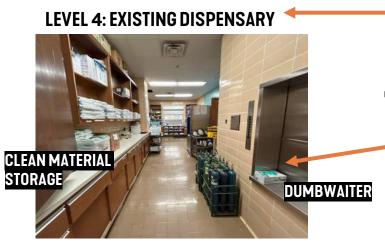
# CLINICAL SUPPORT

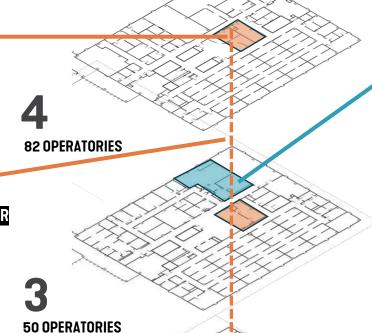
### **EXISTING CONDITIONS**

#### **Priorities**

- Increasing Size
- Establishing Clean and Dirty Side
  - Currently Dirty is collected in a cart in the corridor









### LEVEL 3: RECENTLY RENOVATED CENTRAL STERILE



### Questions

- Is the dumbwaiter dual sided?
- How are materials "packaged" to be transported vertically?







**SOILED COLLECTION** 

### **DISPENSING AND COLLECTING**

- Architectural Finishes Best Practices
  - Seamless, integral cove flooring
  - Epoxy or Solid SurfaceCountertops
  - Metal Casework
  - Cleanable Ceiling Tiles
- Open Storage
  - Wire frame shelving to prevent dust from collecting



**BOSTON UNIVERSITY** 



**EXISTING LSU** 

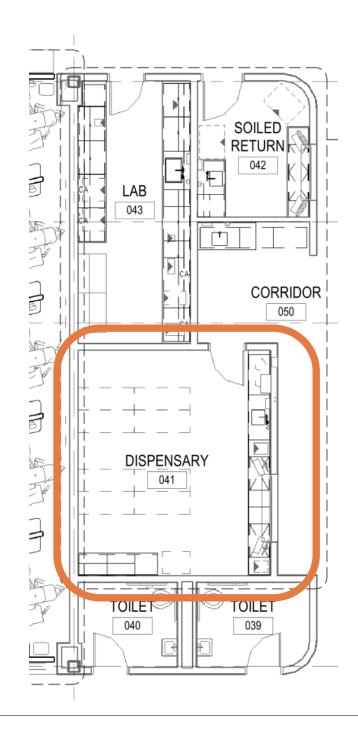




### **INSTRUMENT DISPENSING**

### **THINGS TO CONSIDER**

- Dispensary Window
  - Students Engage
- Student Mailboxes
  - Filled by Staff
  - 10:1 "Normal Size" to "XL Size"





**STUDENT MAILBOXES: FRONT** 

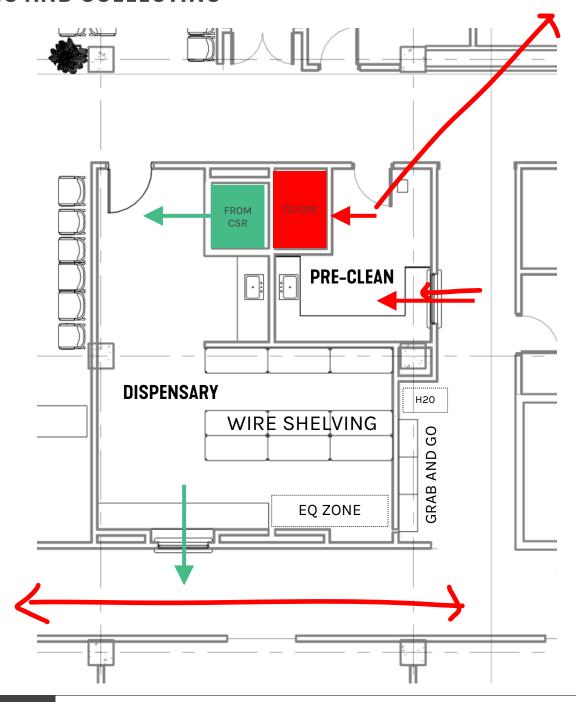


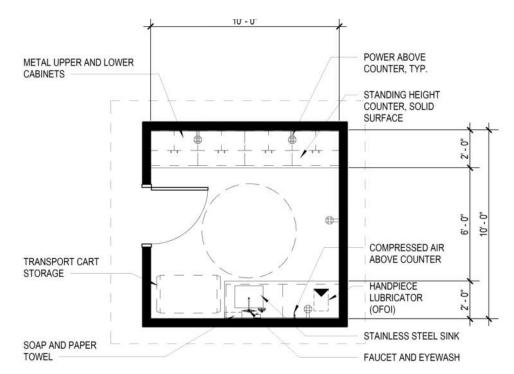
STUDENT MAILBOXES: BACK





### **DISPENSING AND COLLECTING**





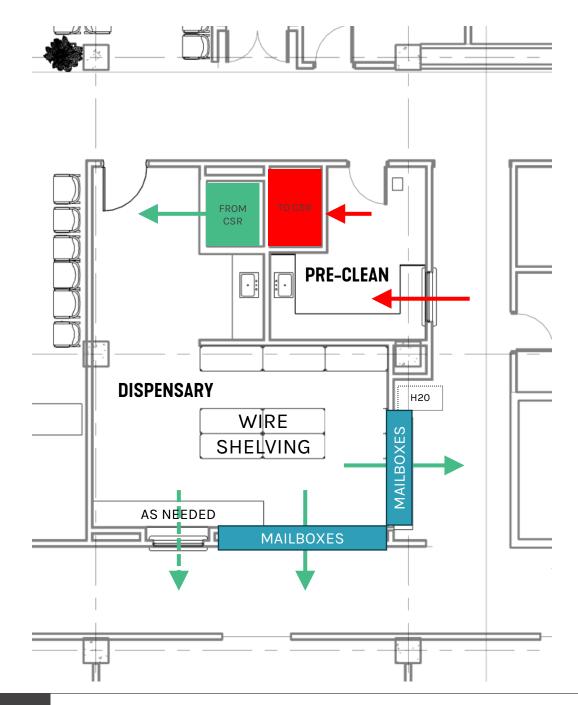
PRE-CLEAN GUIDEPLATE EXAMPLE

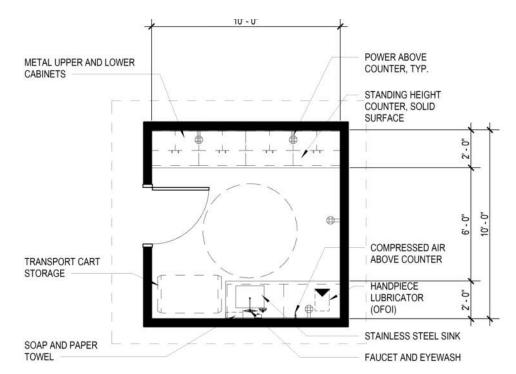
- Add dedicated clean dumbwaiter
- Dedicated soiled return and pre-clean
- Grab-and-go materials and Water not on main corridor





### **DISPENSING AND COLLECTING**





PRE-CLEAN GUIDEPLATE EXAMPLE

- Add dedicated clean dumbwaiter
- Dedicated soiled return and pre-clean
- Pass-thru Mailbox approach for dispensing





### **DENTAL LAB TECH**

### **EXISTING CONDITIONS**

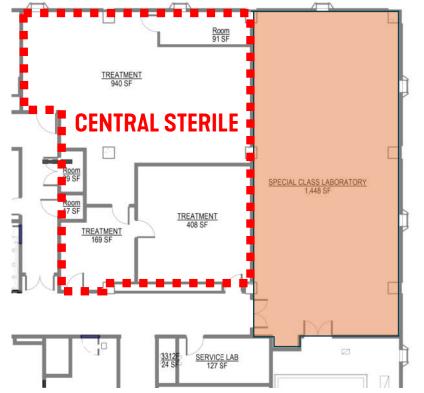
### **CHALLENGES**

- Only 1 Door to access room.
   Best Practice for Lab
   Environment is 2 Doors
- No obvious expansion opportunities
- Potential Asbestos

### **OPPORTUNITIES**

Access to Daylight







**LEVEL 3: EXISTING DENTAL LAB TECH LAB** 



# **DENTAL LAB TECH**

- What is the desired number of seats?
- Does this space double as classroom?







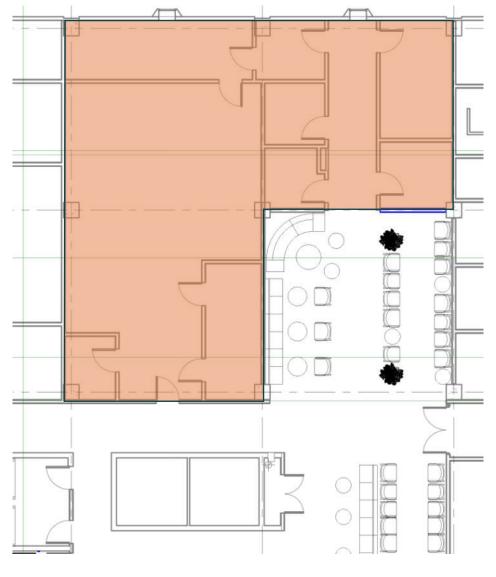
### **PRODUCTION LAB**

### **CHALLENGES**

- Only 1 Door to access Main
   Lab Space, without going into other rooms
- Renovating In place: manage production

### **OPPORTUNITIES**

Show off the technology: Printers, Mills



LEVEL 2: PRODCUTION LAB

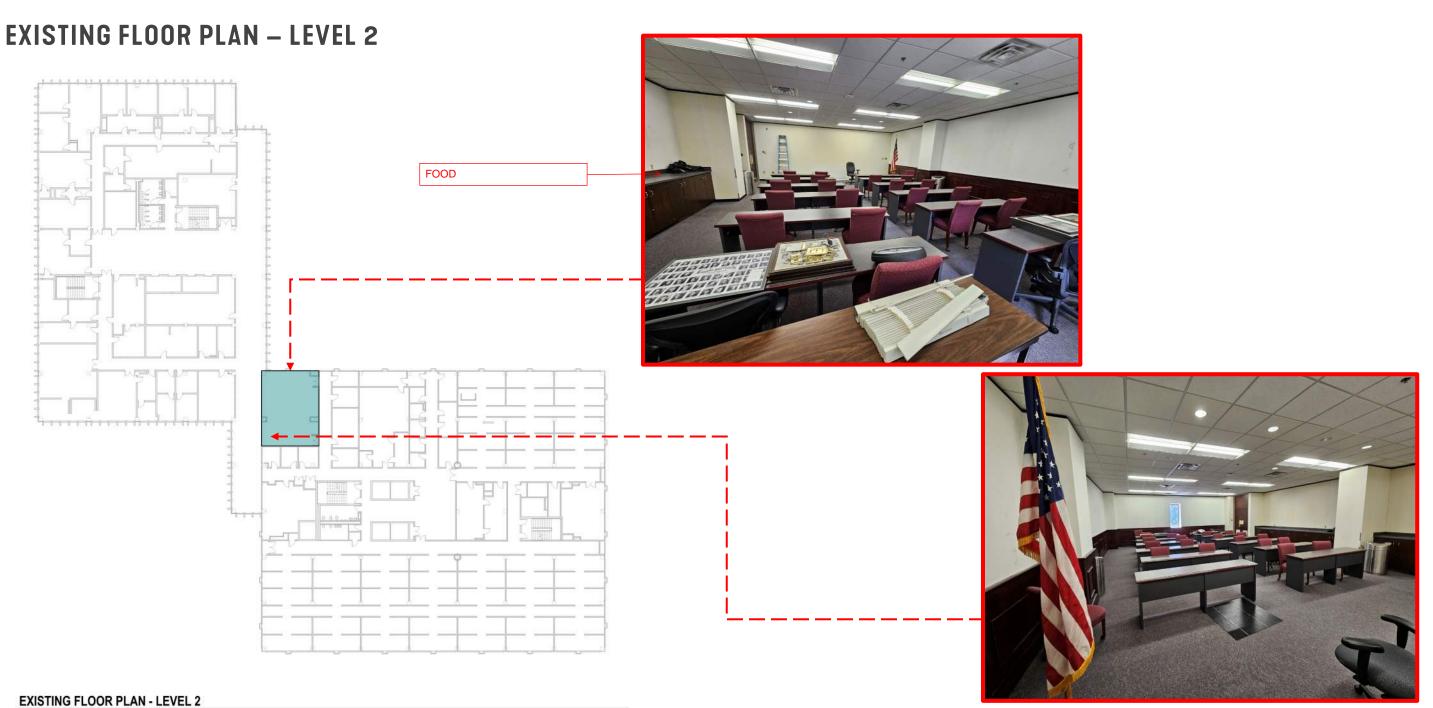
- LSU homework: mark-up what functions occur in which rooms
  - 3D Printing
  - Milling
  - Porcelain Ovens
  - Trimming and Fitting(Wet Lab)
  - Digital Design
    - Does this occur within the lab? QA/QC?



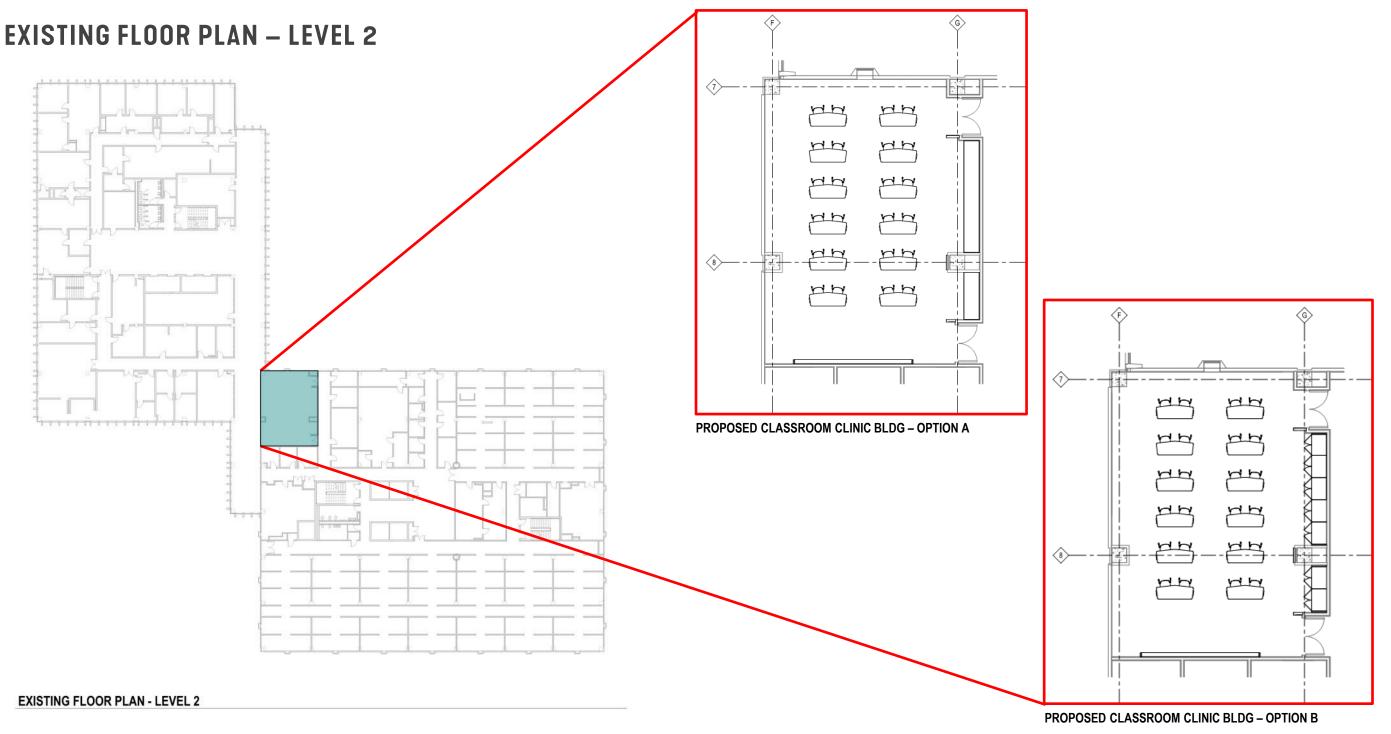


# LEARNING ENVIRONMENT

# LSU HEALTH SCIENCES - DENTAL SCHOOL RENOVATION

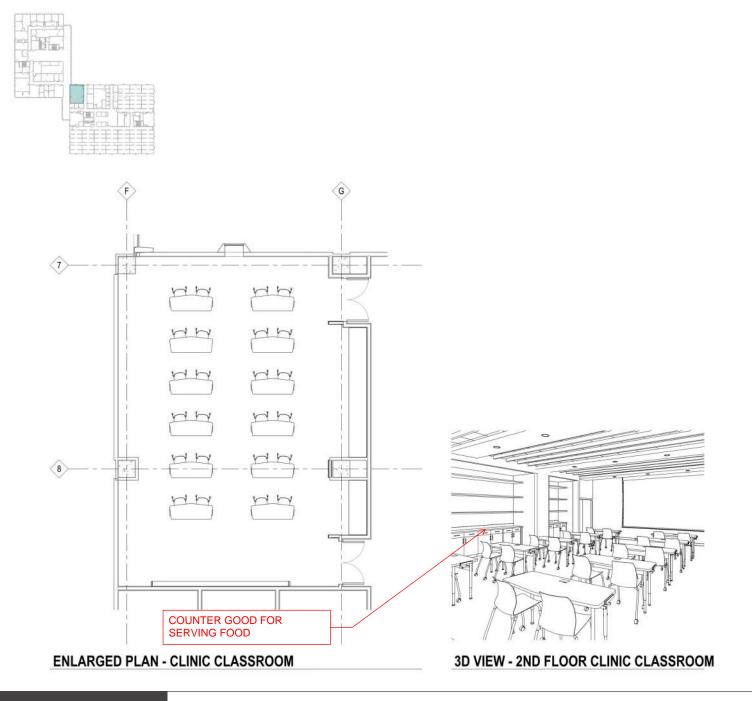


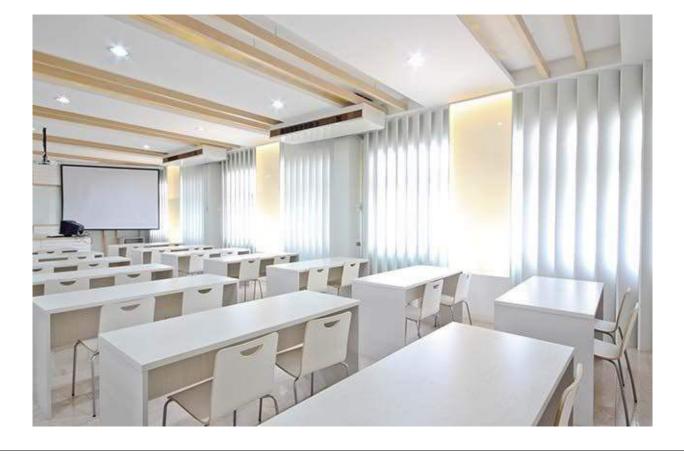
# LSU HEALTH SCIENCES - DENTAL SCHOOL RENOVATION



## LSU HEALTH SCIENCES - DENTAL SCHOOL RENOVATIONS

### **PROPOSED CLASSROOM - OPTION A**

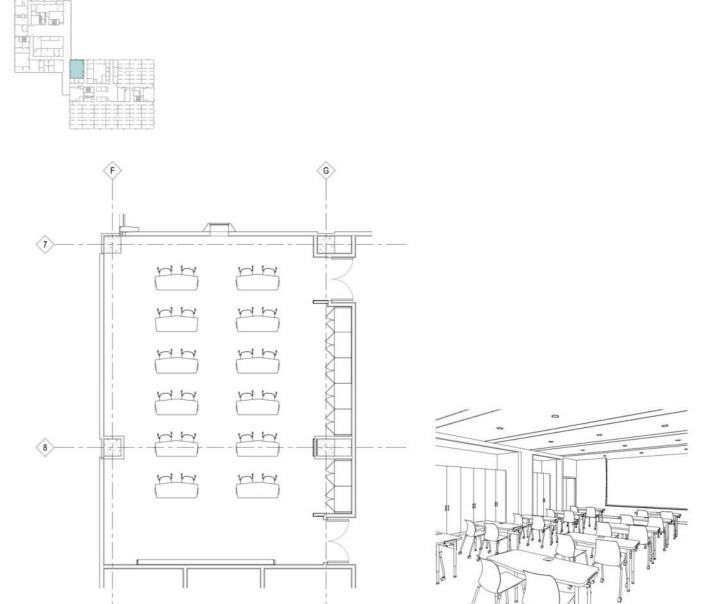


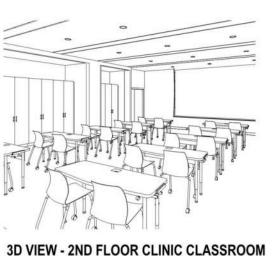




# LSU HEALTH SCIENCES – DENTAL SCHOOL RENOVATIONS

### **PROPOSED CLASSROOM - OPTION B**









**ENLARGED PLAN - CLINIC CLASSROOM** 

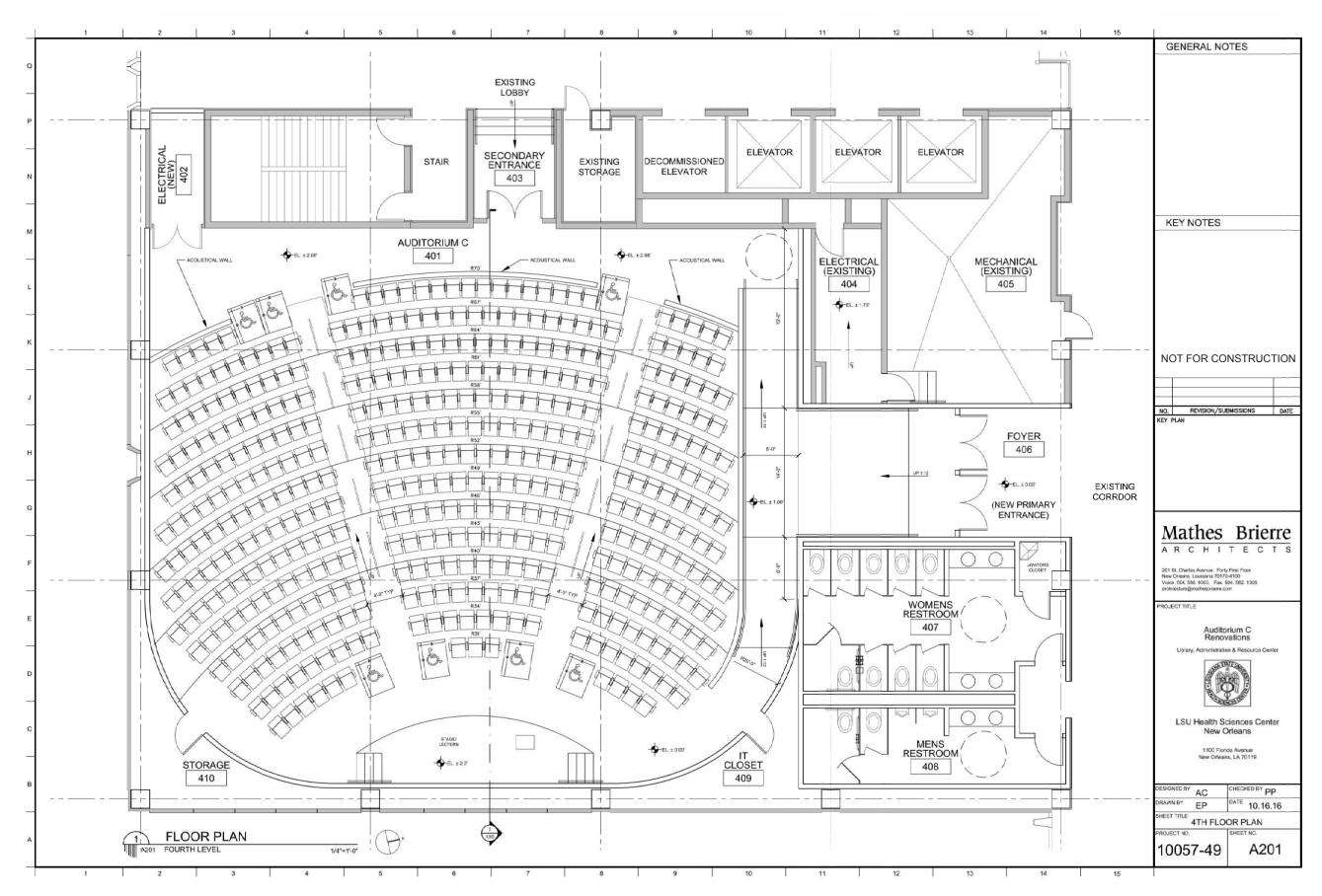
### LSU HEALTH SCIENCES - DENTAL SCHOOL RENOVATIONS

### QUESTIONS FOR PROPOSED CLASSROOM

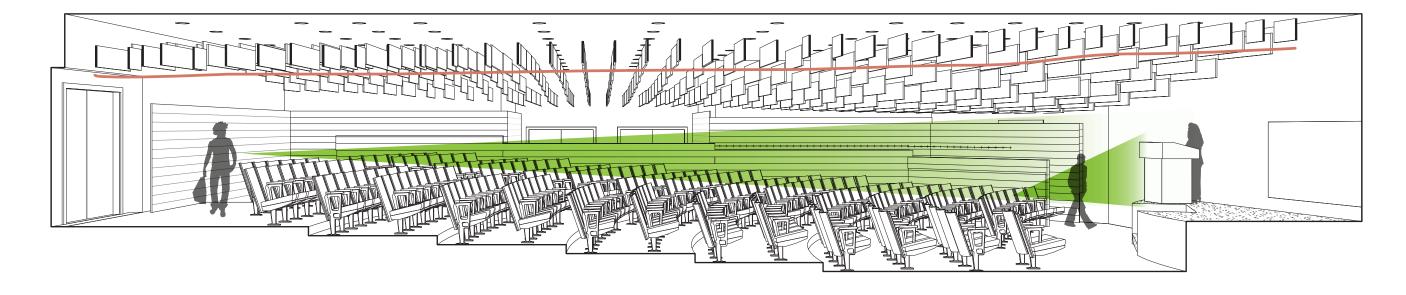
- 1. How many seats are needed in this space?
- 2. Is there any equipment that will live in this room?
- 3. How much storage will be needed?
- 4. Does the professor need a desk? If so, what size typically?



#### 4.5 PROPOSED ARCHITECTURAL PLAN



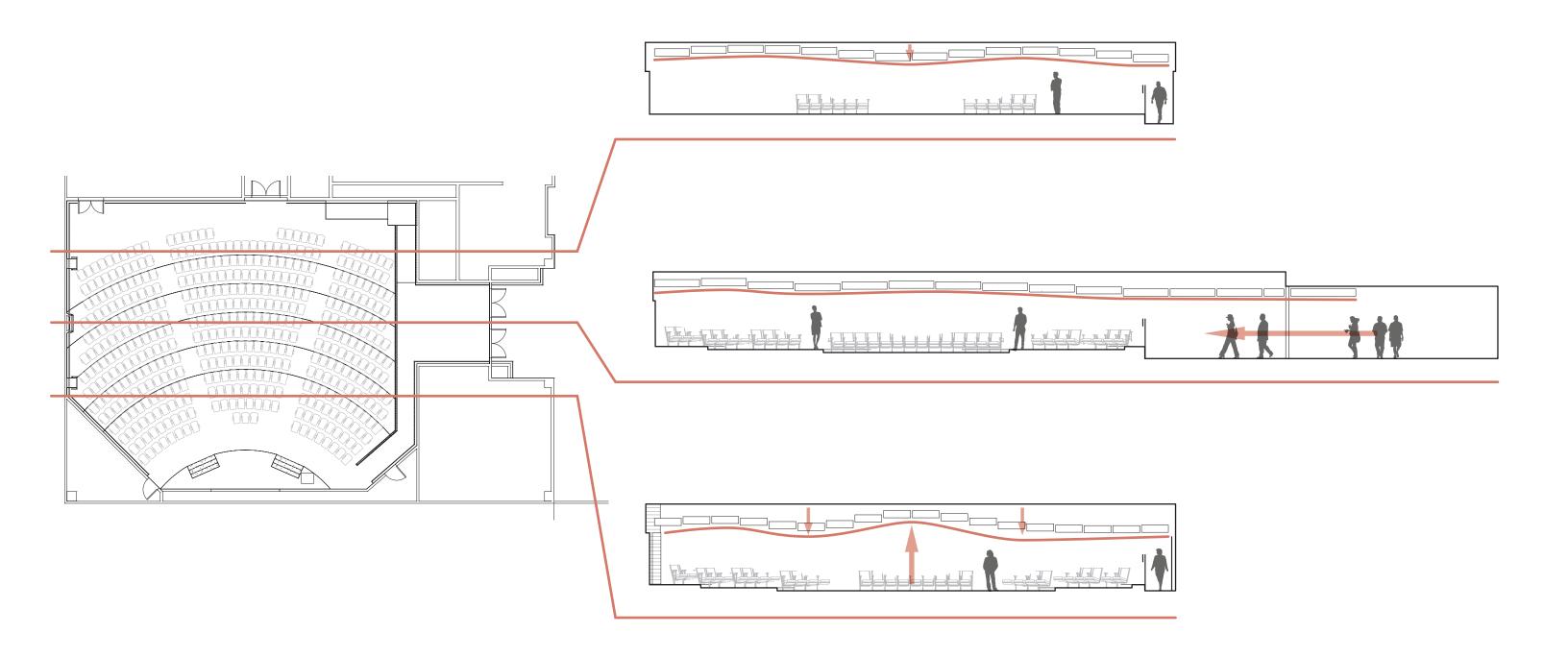
#### **4.2 SIGHT LINE ANALYSIS**



SIGHT LINES FROM FIRST AND LAST ROW

The space is reconfigured so that the stage is located on the eastern elevation, and the floor is a double row tiered system. This system limits the steps needed while allowing maximum height at the rear of the auditorium, and therefore creates maximized sight lines, within the low ceilinged space. The tiered floor has been selected versus a sloped floor as a slope that complies with ADA Guidelines would result in lower overall height. The sight lines are further improved by increasing the height of the stage.

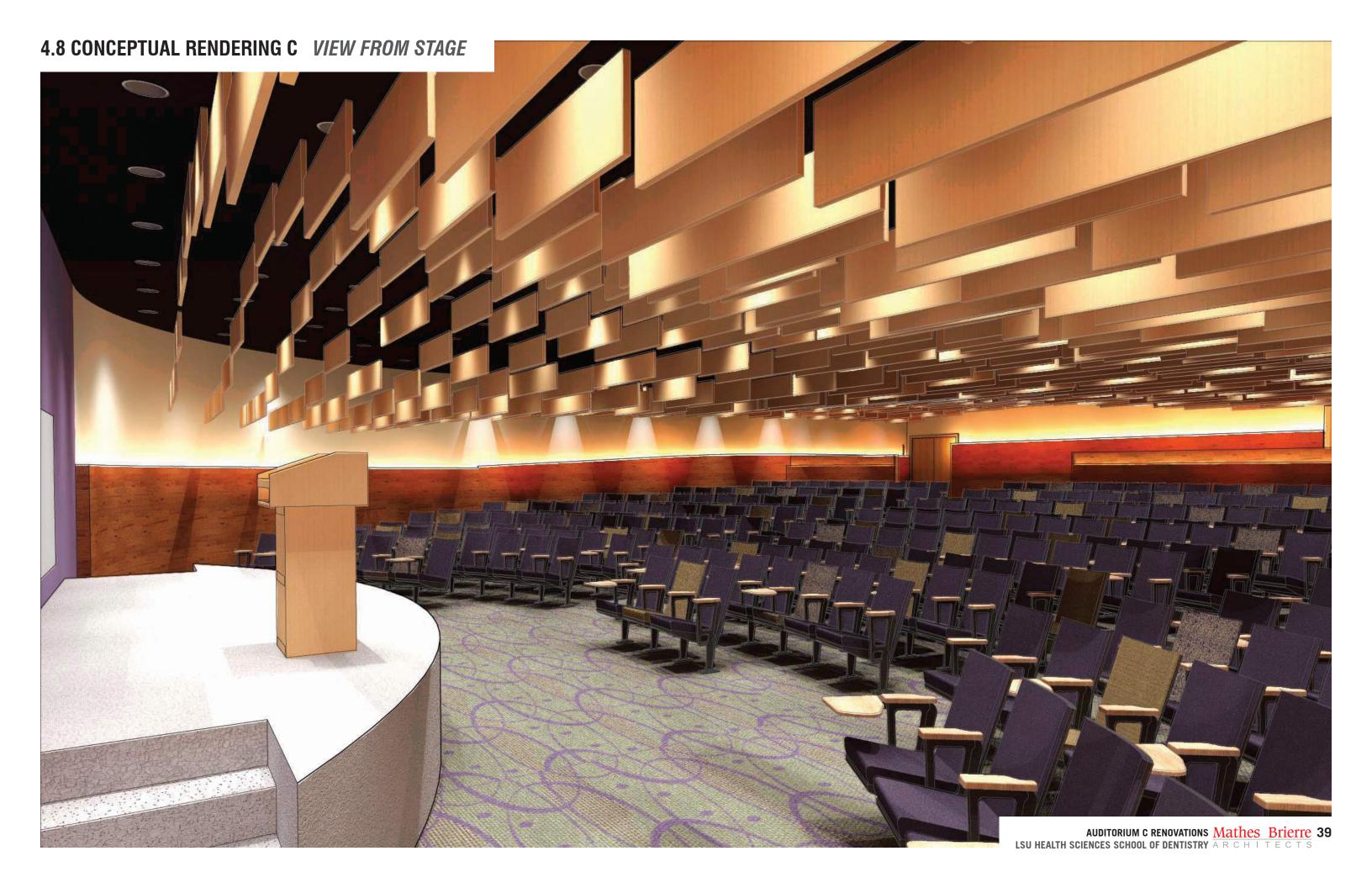
### **4.3 CEILING DIAGRAM - SECTIONS**



PROPOSED DESIGN 21

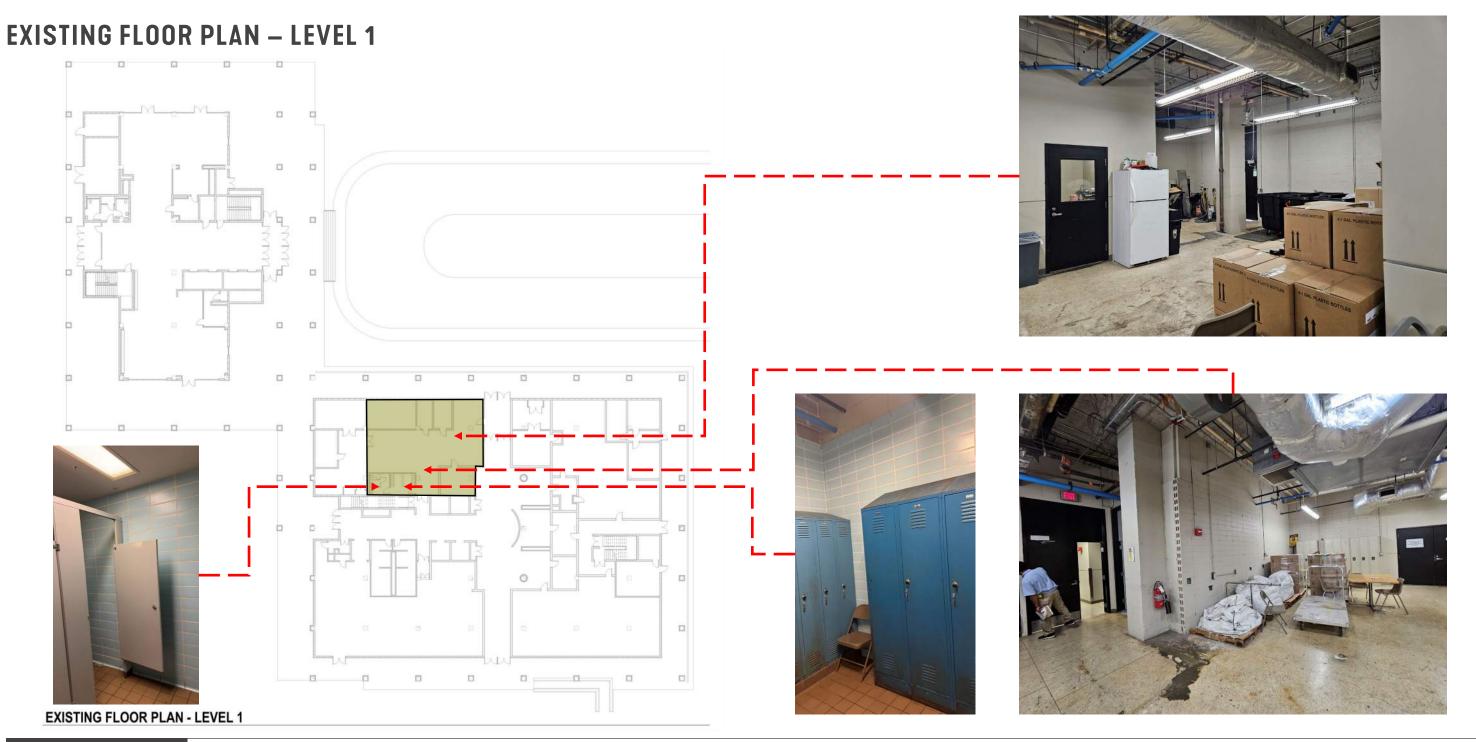


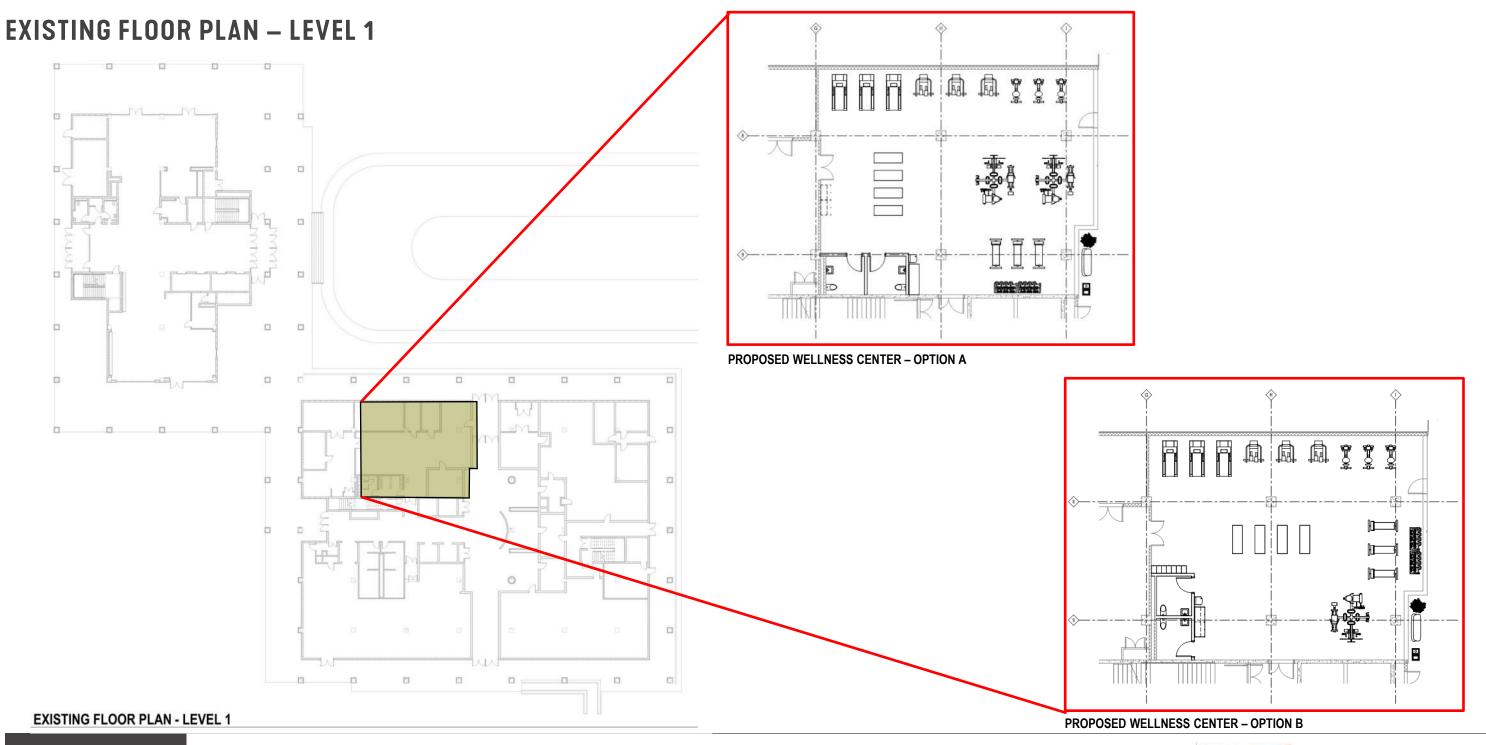




# AMENITIES

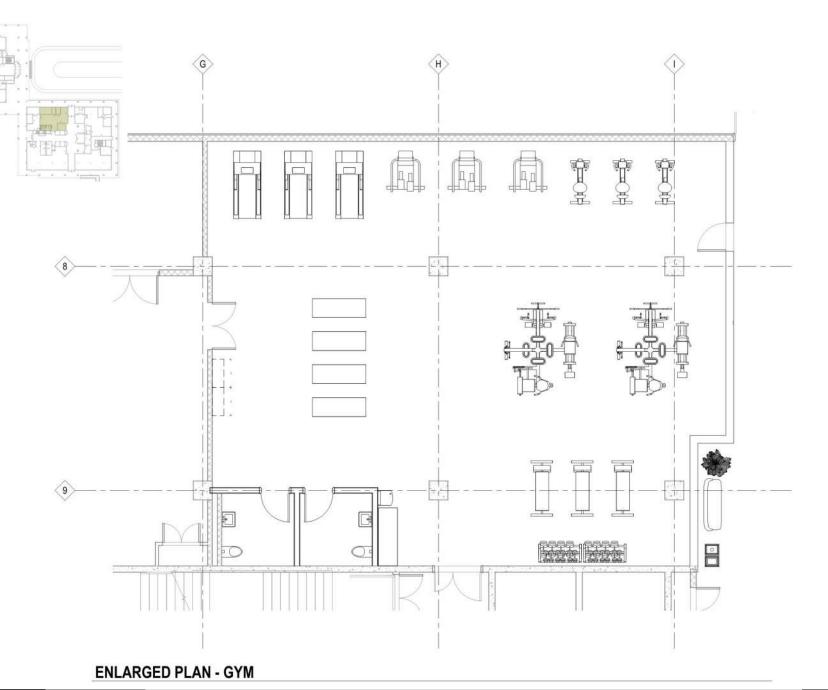








### PROPOSED WELLNESS CENTER - OPTION A



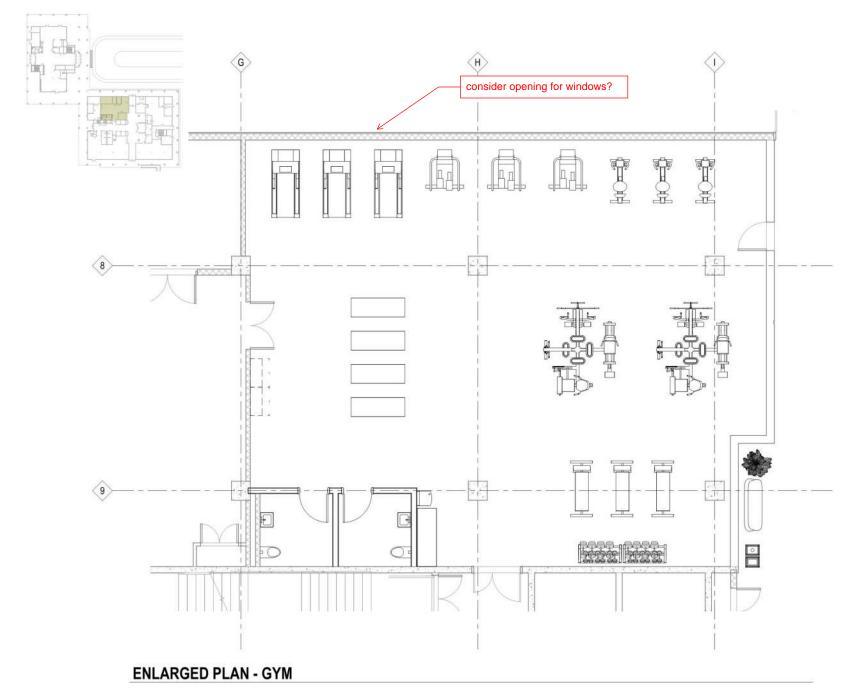








#### **PROPOSED WELLNESS CENTER – OPTION A**



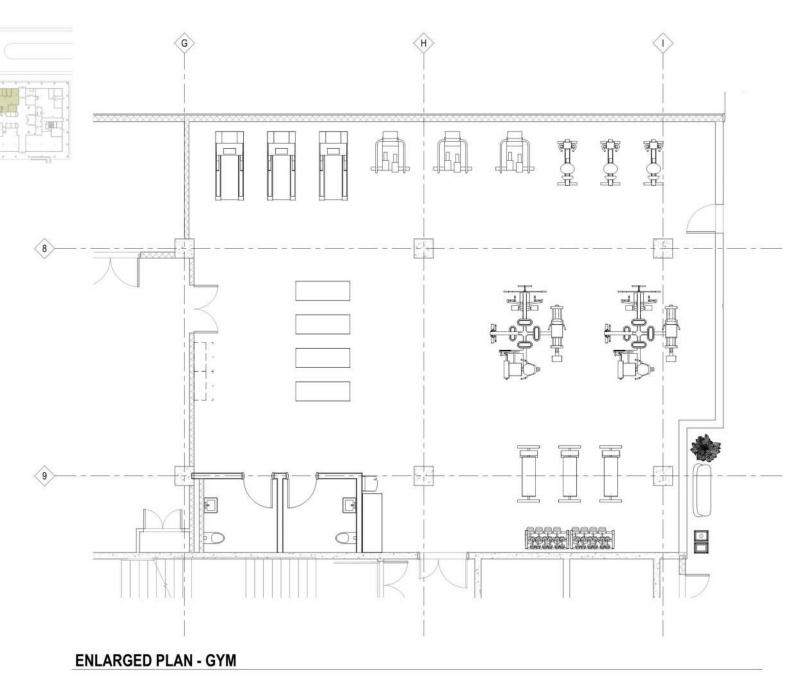












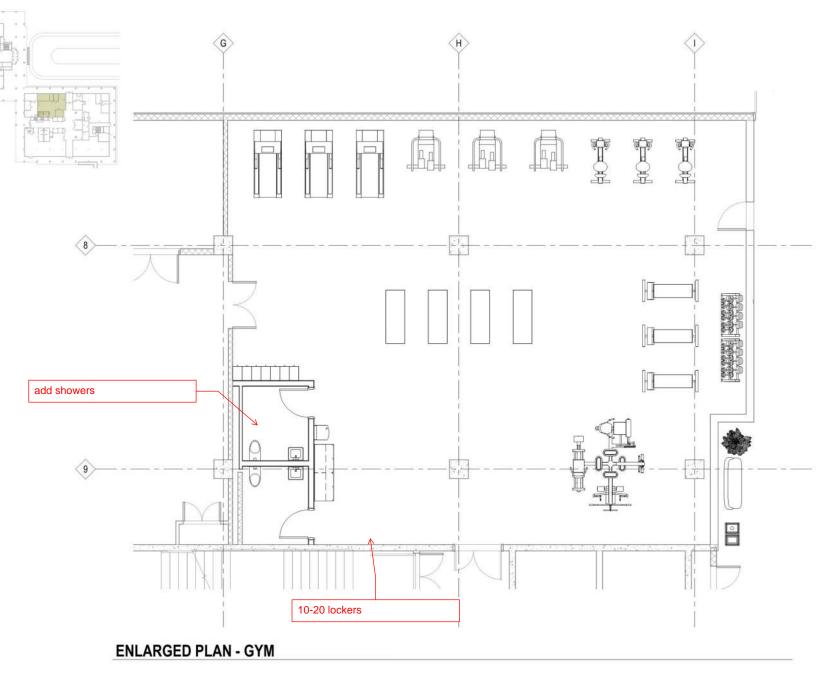




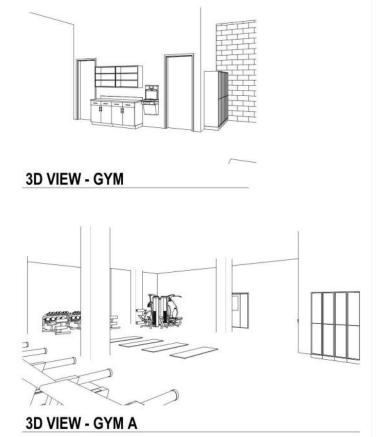
3D VIEW - GYM



### PROPOSED WELLNESS CENTER OPTION B

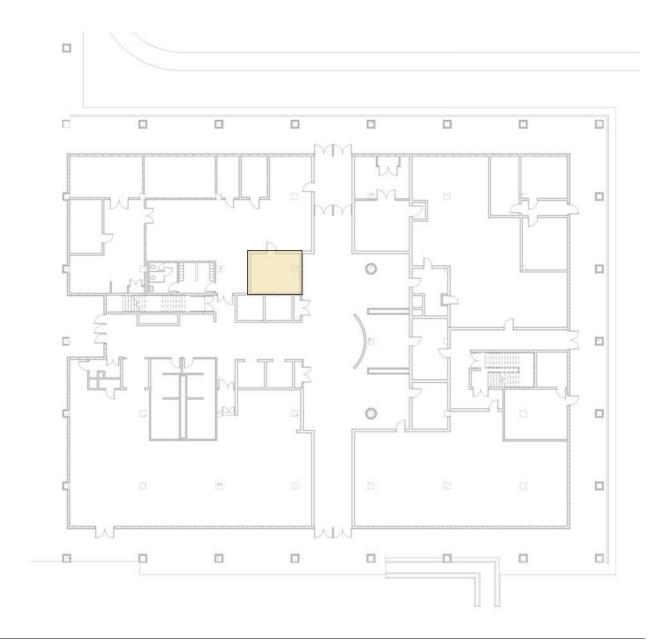






### QUESTIONS FOR PORPOSED WELLNESS CENTER

- 1. Will both students and staff be using this space?
- 2. Are locker rooms wanted in this space? If so, how many should be accounted for?
- 3. How many toilets are wanted?
- 4. Will the existing plumbing shop be moved or is it staying in its existing location?





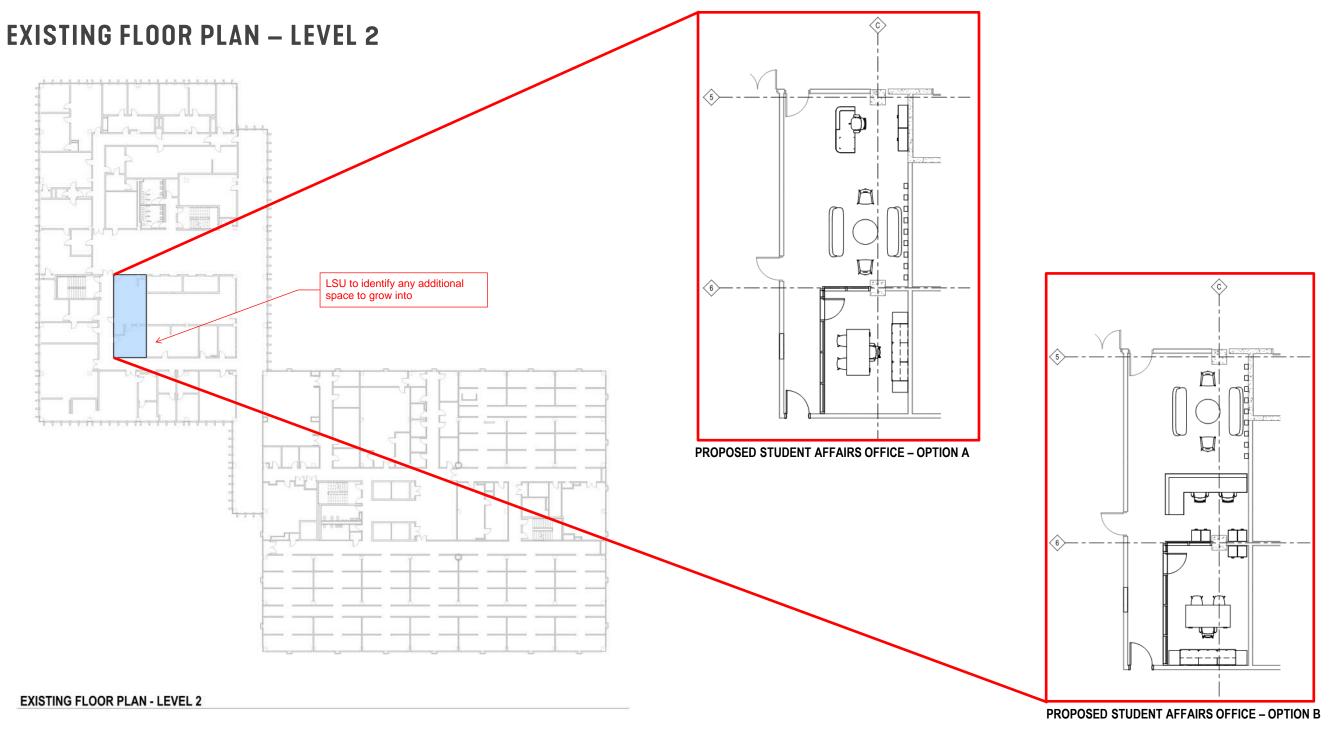


# ACADEMIC SUPPORT





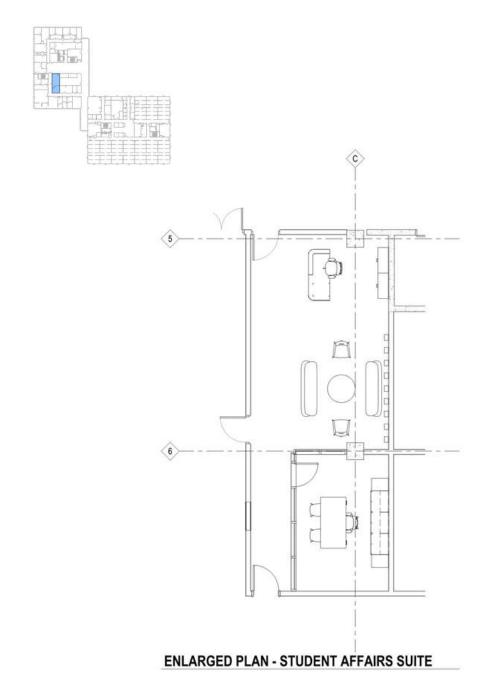
**EXISTING FLOOR PLAN - LEVEL 2** 



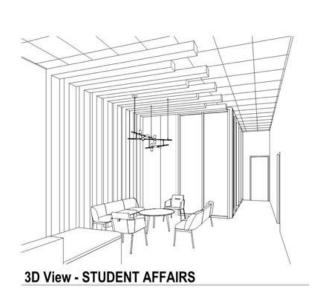


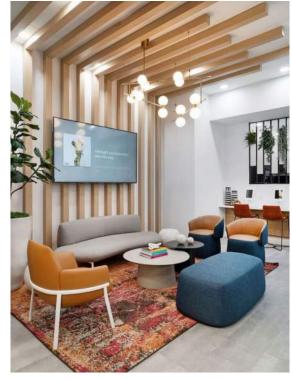


### PROPOSED STUDENT AFFAIRS OFFICE - OPTION A







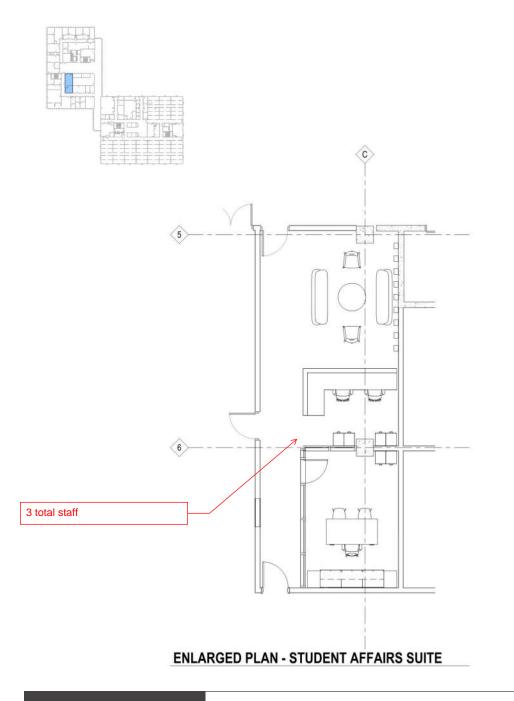




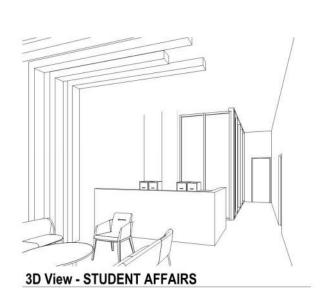


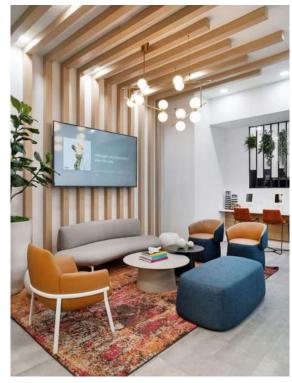


### PROPOSED STUDENT AFFAIRS OFFICE - OPTION B















### QUESTIONS FOR PROPOSED STUDENT AFFAIRS OFFICE

- 1. How many occupants will be in this space?
- 2. How does this office typically function?
- 3. How many private offices are needed?
- 4. How much storage is required?



RESTROOMS - CLINIC BLDG. (DRAWINGS FROM 7<sup>TH</sup> FLOOR RENOVATIONS - ALTERNATE)

