ADDENDUM NO. 3

EXHIBIT C

PROGRAM

REQUEST FOR QUALIFICATIONS

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

Engineering Classroom Building
University of Louisiana at Lafayette
Lafayette, Louisiana
Project No. 19-640-20-02, F.19002350

June 16, 2022

University of Louisiana at Lafayette Mission Statement

The University of Louisiana at Lafayette offers an exceptional education informed by diverse worldviews grounded in tradition, heritage, and culture. We develop leaders and innovators who advance knowledge, cultivate aesthetic sensibility, and improve the human condition.

University of Louisiana at Lafayette College of Engineering Mission Statement

The mission statement for the College of Engineering is also known as its aims and objectives statement.

Aims and Objectives

The College of Engineering is committed to excellence in education and research while maintaining national accreditation for all of its programs. These programs include Chemical Engineering, Civil Engineering, Electrical and Computer Engineering, Mechanical Engineering, and Petroleum Engineering, which are accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org , and the allied field of Industrial Technology, which is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE), www.atmae.org. Our accreditation page describes each program.

With a view toward integrating its role with the educational mission and the statement of purpose of the University, the College directs its activities towards research and associated economic development. At the same time, it acts as a technical resource for the industrial and business communities by providing technology transfer and technical assistance. Engineering graduates of the College consistently score well on the Fundamentals in Engineering (F.E.) Exam, and graduates of the College of Engineering find employment locally, nationally, or internationally.

The Engineering and Industrial Technology curricula emphasize strong fundamental theory, intensive problem solving, hands-on laboratory experience, and enhanced management and business knowledge. The basic natural sciences and mathematics component of the curricula, together with the required courses in humanities and social sciences, provide students an excellent educational basis for entry into the engineering or industrial professions or for further educational studies leading to advanced degrees.

The College also sets a high priority in terms of recruiting and hiring of students, faculty and other related personnel from under-represented minority groups.

University of Louisiana at Lafayette
New Engineering Building
Vision Statement

The vision of UL Lafayette College of Engineering is to have a new modern student-centered facility designed for interactive and multidisciplinary learning and modernize our current facility to integrate all areas of student life and study. A modernized facility is essential in creating a truly student-centered experience that will produce well-rounded, career-ready engineers and technologists that meet the needs for future engineering and technology professions. The new facility needs to be designed in way to create a conducive environment that helps our students succeed outside of the classroom as well as inside.

The College of Engineering aims to provide a cutting-edge facility with classrooms and meeting spaces that enhance our research and teaching, enabling us to develop new technologies and prepare future leaders. The new engineering building will facilitate innovation between all six College of Engineering departments by housing them in one building. As a research-intensive university, it is important to integrate the new building with the current engineering building, Madison Hall which houses Teaching and Research labs. To aid the integration, we envision having a Sky Walk, enclosed corridor, connecting the new building to Madison Hall.

Dr. Ahmed Khatab

We envision that the new building will reflect the new trends in engineering buildings across the nation, which could include the following:

- Classrooms (Auditorium, Very Large Classrooms (Small Auditorium), Large Classrooms, Medium Classrooms, Small Classrooms, Computer Aided Design Classroom)
- Maker's Space
- Huddle Rooms
- Café
- Student Commons/Atrium
- Tech Deck/Patio
- Offices (Dean, Associate Dean, Assistant Deans, Department Heads, Faculty, Staff/Administrative Assistant with Lobby Area, and Student Worker Area)
- Conference Rooms
- Faculty/Staff Lounges
- Student Lounges
- Kitchen Areas
- Study Rooms
- Student Mentoring/Tutoring Room
- Seminar Room
- Mosing Student Center for Outreach and Career Development
- Student Excellence Center
- Student Organization Board Room
- College-Student Organization Offices – Louisiana Engineers Society (LES), National Society for Black engineers (NSBE) and Society for Women Engineers (SWE)
- Department-Student Organization Offices – American Institute of Chemical Engineers (AIChE), American Society of Civil Engineers (ASCE), Institute of Electrical and Electronics Engineers (IEEE), Association of Technology, Management, and Applied Engineering (ATMAE), American Society of Mechanical Engineers (ASME) and Society of Petroleum Engineers (SPE)

Realizing that our ambitions for this building would exceed $25M, we envision a design that would accomplish our needs in two phases. Phase one would include building a shell with part of the building fully finished. Utilizing the initial funding of $25M would include all listed in phase I in the enclosed excel sheet. At the same time, we would continue to fund raise to accomplish phase II of the building.

The enclosed excel sheet includes detailed space information with the estimated square footage for each space with two options one with a total of 124,000 square footage and the second with a total of 100,000 square footage.

Project Goals 1.2

1. The new Engineering Building will be located in the heart of the ULL campus in a heavily pedestrian circulated area. The new building will embrace this location and encourage and support pedestrian engagement.
2. The building must foster collaboration between students, faculty, business and local industry.
3. The buliding will be used as a tool to assist in faculty and student recruitment.
4. The building design must reflect innovation, cutting edge technology, and sustainability.
5. The building should integrate into ULL's design vocabulary and be complimentary to the existing campus.
6. The building should respond to the larger context issues identified in the campus master plan.
7. The building will incorporate design components that allow for efficient and practical use of all spaces within the building.
8. The building will address ADA accessibility and current code requirements.
9. The final product should develop an environment that presents energy, activity, collaboration and transparency which encourages immersion.

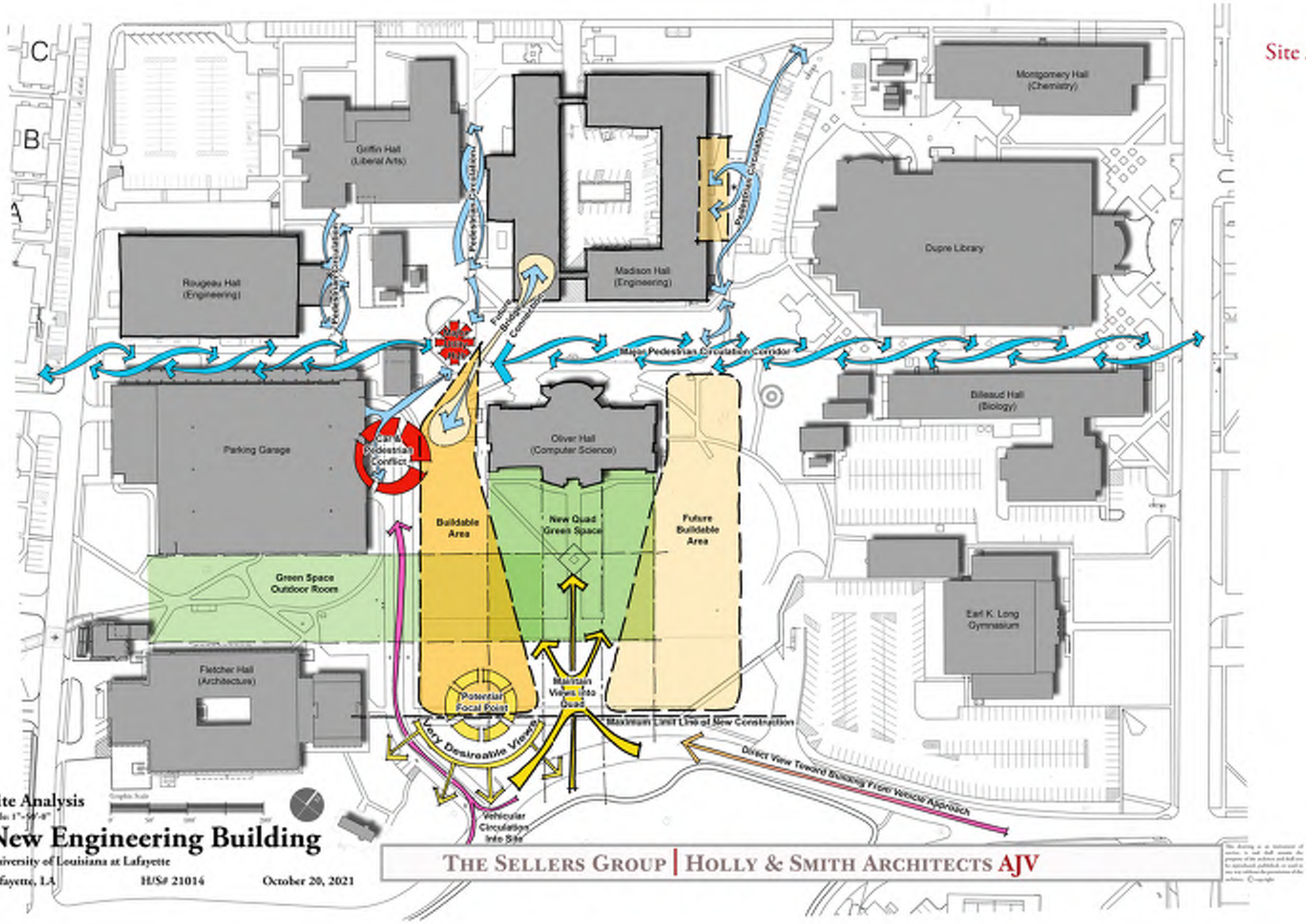
Key Design Issues 1.3

As a means to test the design of the project throughout every stage of the development of the design, the design team develops a list of key issues that are tested against the design at every milestone. These issues are the guiding principles that drive the direction of the design work as it develops. The following list poses the key design issues that we feel apply in testing the design:

1. Building should have a WOW! factor to assist in student and faculty recruitment.
2. Spaces are "student focused" with special attention to creating a collaborative interdisciplinary learning environment.
3. The display of student work and projects should be emphasized.
4. Building should be part of the education process with emphasis on transparency.
5. Future physical connections to Madison Hall should be envisioned.
6. Building engagement with the highly circulated pedestrian axis and connection between the engineering/ sciences district with the historic campus core.
7. Building should form 1/2 of the master planned new quad, centered around Oliver Hall.
8. Major utility infrastructure occurs around the building site.
9. Implementation of the Informal Contemporary Georgian typology in relationship to Oliver Hall.
10. Allow visual and physical connections to exterior spaces, such as the New Quad, the outdoor room at Fletcher Hall and Girard Park.

SECTION 2

SITE ANALYSIS


C
B
A
Griffin Hall (Liberal Arts)
Rougeau Hall (Engineering)
Madison Hall (Engineering)
Montgomery Hall (Chemistry)
Dupre Library
Billeaud Hall (Biology)
Oliver Hall (Computer Science)
Parking Garage
Fletcher Hall (Architecture)
Earl K. Long Gymnasium
Pedestrian Circulation
Pedestrian Circulation
Pedestrian Circulation
Future Bridge/Tunnel Connection
Major Pedestrian Circulation Corridor
Car & Pedestrian Conflict
Buildable Area
New Quad Green Space
Future Buildable Area
Green Space Outdoor Room
Potential Focal Point
Maintain Views Into Quad
Maximum Limit Line of New Construction
Very Desireable Views
Direct View Toward Building From Vehicle Approach
Vehicular Circulation Into Site
Site Analysis
Scale: 1"=50'-0"
New Engineering Building
University of Louisiana at Lafayette
Lafayette, LA
H/S# 21014
October 20, 2021
THE SELLERS GROUP | HOLLY & SMITH ARCHITECTS AJV


CHEMISTRY


















WOODY HALL

BELLARD & ASSOCIATES, INC.
Consulting Engineers **Civil/Structural**
3309 Kaliste Saloom Rd., Lafayette, Louisiana 70508
Phone: (337) 981-1410
RUSSELL J. BELLARD, SR., P.E.
GLEN A. LANDRY, P.E.

October 26, 2021

The Sellers Group, APC/Holly & Smith, APAC A Joint Venture
147 Easy Street
Lafayette, LA 70506

ATT: Mr. Gene Sellers, Jr.; Architect

RE: PROGRAM PHASE STRUCTURAL NARRATIVE
UL LAFAYETTE ENGINEERING CLASSROOM BUILDING
LAFAYETTE, LA.
FP&C PROJECT NO. 19-640-20-02, F.19002350
TSG PROJECT NO. 21019
B NO. 24-21-03

Structural Narrative:

- A new three (3) or four (4) story building with gross square footage of approximately 70,000 square feet and a horizontal growth potential in the future of 40,000 – 50,000 square feet.
- The structural system shall likely be composed as follows:

Roof System – Architectural Roof System; supported by steel metal decking; which in turn is supported by pre-fabricated, cold-formed metal truss systems; which in turn, are supported by engineered interior and exterior steel beams; which are in turn supported by isolated steel columns.

Above Grade Floor System - Composite lightweight concrete slab/deck system; spanning to steel floor beams with shear stud connectors; which in turn, are supported by steel floor girders with shear stud connectors; which in turn, are supported by isolated steel columns; which in turn, are supported by foundation systems.

Foundation System –
Columns: Structural steel columns shall be supported by concrete pile caps; which in turn, are supported by concrete drilled caissons and/or other deep foundation system as determined by the Geotechnical Engineering Report.
Exterior Grade Beams: Reinforced concrete grade beams supported by concrete drilled shafts and/or other deep foundation system as determined by the Geotechnical Engineering Report..
Grade Floor Slab: Grade floor slab composed of concrete system with interior stiffening beams, all supported on grade as confirmed by Geotechnical Engineering Report.

Lateral Stability – Developed by diagonal bracing and moment resisting frames at selected bays.

Exterior Walls – Developed with brick masonry veneer, cement plaster and/or other suitable Architectural Wall Finish supported by cold-formed steel stud system and/or concrete masonry units at isolated areas as applicable.

Interior Walls – Developed with gypsum board supported by cold-formed stud system and/or concrete masonry units at isolated areas as applicable.

PROGRAM PHASE NARRATIVE

MECHANICAL DESIGN/DOCUMENTATION

MECHNICAL DESIGN NARRATIVE

1. ENERGY SOURCES:

    a. The energy sources considered for the building shall be existing utilities available to the selected site. Electricity and natural gas are available at the site.

    b. Electricity and Water shall be used for the HVAC system which includes cooling and heating by means of Chilled Water and Hot Water through a VAV distribution system.

    c. The existing gas service will be utilized for a heating hot water boiler(s) for building heating and gas water heater(s) to be used for the domestic hot water system for restrooms and janitors closets.

2. ENERGY CONSERVATION:

    a. The facility will utilize a D.D.C. energy management system (E.M.S.) to integrate the Chilled Water and Heating Hot Water systems to the campus system. The new EMS system will be interconnected with the existing campus wide EMS presently being monitored by the User Agency.

3. HEATING AND VENTILATION:

    a. Heating will be done with heating hot water distributed through the building from a central boiler system with distribution pumps.

    b. Exhaust will be provided for restroom areas, janitor closets and lab space(s) (as required).

    c. Outside Air will be processed through the variable volume air handling unit to meet ASHRAE requirements. The outside air requirement will be reduced through the use of ionization devices to treat the air in the building. The cost of the ionization is offset by the reduction in the amount of outside air required.

4. AIR CONDITIONING:

    a. The building will be cooled utilizing chilled water variable volume air handling units with parallel fan powered variable air volume terminals for air distribution to each zone. Chilled water piping will be routed from the central plant to each air handling unit. Medium pressure ductwork will be routed from each air handing unit to all VAV terminals associated with the AHU.

b. The existing campus chilled water loop will be assessed to determine if there is enough excess capacity to serve this building. If excess capacity is not available, a new water cooled chiller and cooling tower will be added. This new system would provide primary feed to the campus chilled water loop in the area and provide secondary flow for the new building.

5. PLUMBING:

   a. A complete sanitary sewer, waste and vent system shall be provided to meet the new building requirements. Water and sewer system shall be connected to local utilities available at the site. New commercial grade plumbing fixtures will be utilized.
   b. Domestic hot water will be provided by central gas fired water heater(s). Hot water will be pumped through a circulation loop around the building to each fixture (that requires hot water by code).

6. FIRE PROTECTION: An automatic wet pipe sprinkler system shall be utilized throughout the new building per NFPA 13. An automatic dry pipe sprinkler system shall be utilized at all of the canopy areas. A flow test has not been performed at this time. Determination of whether a fire pump is required has not been completed at this time. Stand pipes will be utilized if determine to be required by NFPA 14.

7. SPECIAL MECHANICAL SYSTEMS: Not applicable for this project.

8. PROCESS SYSTEMS: Not applicable for this project.

9. GENERAL SPACE REQUIREMENTS: Mechanical equipment areas will be coordinated with the Architectural Plans to insure adequate space and working clearances.

10. Codes: The latest adopted editions of the following codes, as applicable, will be adhered to in the mechanical design for this facility:

    1. International Building Code, 2015.
    2. International Mechanical Code, 2015.
    3. Louisiana Energy Code (ASHRAE Standard 90.1-2013).
    4. International Plumbing Code, 2015.
    5. NFPA 13 and 14.
    6. Americans with Disabilities Act (ADA).
    7. National Fire Protection Association (NFPA).
    8. National Electric Code (NEC).
    9. Underwriters Laboratories (UL)
    10. Pertinent State, Regional, Local Codes as applicable to this project.

PROGRAM PHASE NARRATIVE

ELECTRICAL DESIGN/DOCUMENTATION

1. GENERAL

Codes: The latest adopted editions of the following codes, as applicable, will be adhered to in the electrical design for this facility:

International Building Code, 2015.
Louisiana Energy Code (ASHRAE Standard 90.1-2007).
Americans with Disabilities Act (ADA).
National Fire Protection Association (NFPA).
National Electrical Code, 2014 (NEC).
Underwriters Laboratories (UL)
Pertinent State, Regional, Local Codes as applicable to this project.

2. POWER DISTRIBUTION:

Electrical service to the facility will be taken from the nearest available primary service point on the site via a 277/480V 3 phase pad mounted transformer. The main panelboard will have a building main circuit breaker and all required feeder circuit breakers. The main circuit breaker will be an insulated case, solid state type circuit breaker with adjustable trip settings, including ground fault if required by code. The feeder circuit breakers will be thermal magnetic molded case type. The electrical service will be sized in accordance with NFPA 70, and will include spare ampacity for future growth.

Power will be distributed from the main panelboard to various loads and other panelboards strategically located throughout the facility. All panelboards will be located in dedicated electrical rooms. The electrical distribution equipment in each electrical room will consist of an HVAC panel (480 volt), lighting panel (480 volt), receptacle and miscellaneous load panel (208 volt), dry type transformer(s), and lighting control equipment. All panelboards will have copper bus, neutral bus, and equipment ground bus. All feeder and branch circuits will include a separate green, insulated equipment grounding conductor.

A Surge Protective Device (SPD) will be provided for the main panelboard and all other panelboards in the project. SPD units will have individually fused MOV's, and have L-L, L-N, and L-G modes of protection.

The main electrical service will be grounded in accordance with NEC Article 250. This includes neutral/ground bond at the main panelboard, and grounding conductor from main panelboard to grounding electrodes (concrete encased electrode, building steel, cold water pipe and ground rods). Every feeder and branch circuit will contain an equipment ground conductor.

Conductors will be copper THHN/THWN in conduit, #12 AWG minimum. All cable shall be color coded. Splices will not be allowed for feeders. All power conductors will be in conduit, minimum ½" trade size. Exposed, exterior conduits will be rigid galvanized steel, underground conduits or conduits in slab will be PVC schedule 40, and interior conduits will be EMT. MC cable will not be permitted, except for fixture whips not to exceed 6'. Flexible conduit shall be used for connection to vibrating machinery and transformers. Floor boxes may be used to serve furniture located away from walls.

All disconnects shall be heavy-duty type. Disconnects located outside or on the building's roof shall be NEMA 3R rated, minimum. All disconnects shall be permanently labeled with the tag identifying the equipment connected to it.

Duplex receptacles will be liberally spaced throughout the entire facility for general power needs. Receptacle types for specific pieces of equipment will be coordinated with the facility user, specialty consultant, Architect, and specified equipment suppliers. Floor boxes (Cast metal, fully adjustable, rectangular with four separate wiring compartments for power and data devices) will be located in strategic locations where necessary. All outlet covers will be plastic unless otherwise requested. GFCI type receptacles will be installed in all locations that are within 6' of a water source and on the exterior (grade and roof) as required by the National Electrical Code. In general, all duplex-grounded receptacles will be mounted at 18" AFF (to top) and all designated equipment receptacles will be mounted in accordance with the equipment specifications and coordinated with the Architectural elevations.

3. LIGHTING:

Interior and exterior lighting fixtures will all be LED. Illumination levels will be as per the Illuminating Engineering Society (IES) Guidelines.

The entire new lighting system will be designed in accordance with the Energy Code, ASHRAE 90.1 Chapter 6, and IES recommended practices.

The exit lights will utilize the low power consuming LED technology with battery backup. Emergency illumination will be provided with battery backup units integral to the fixtures where required.

Occupancy sensors will be provided in all rooms of the facility to comply with the latest edition of the Energy Code (ASHRAE 90.1).

Exterior lighting shall include wall mounted perimeter light fixtures and pole lights for the parking and/or pedestrian walkway areas. Exterior lighting will match ULL standards and will be LED. Exterior lights will be photocell controlled, and/or controlled through the Energy Management System (EMS).

4. FIRE ALARM:

This building will require a fire alarm system with voice-evac features. The main system shall be a complete addressable, microprocessor-based fire detection and alarm system with manual and automatic alarm initiation devices, and addressable analog initiating devices. Required connections and interface with other systems include, but not limited to elevator controls/recall, fire sprinkler system monitoring, and digital alarm communicator system to alert Campus Security Office. The fire alarm system will be designed in accordance with NFPA-101 Life Safety Code, ADA (Americans with Disabilities Act), ASME/ANSI A17.1 and 17.3, NFPA 72J, and NFPA 70 (article 760).

Fire alarm initiating devices will be analog/addressable. Fire alarm indicating appliances will be 24VDC reverse polarity.

Smoke sensors will be installed at smoke doors and fire alarm panel locations.

Duct mounted smoke sensors will be installed in the main supply duct, return air ducts (at the inlet on each floor), and at each smoke damper.

Programmable fire alarm relays will be installed in each AHU control panel for AHU control from the fire alarm system.

ADA approved audible/visible notification appliances will be installed throughout for occupant notification. The ADA approved audible/visible notification appliances will be installed in all public areas and in staff supervised locations, as required.

Manual fire alarm pull stations will be installed at all exits and along the normal path of egress as well as all mechanical equipment rooms.

Monitor modules will be installed on all sprinkler flow switches, sprinkler tamper switches and other fire protection devices, as required. The exact location and number will be coordinated with the fire protection system design during the construction document phase.

The fire alarm system will be constructed with UL listed components and installed by a licensed fire alarm system installer with a minimum of five years' experience.

The fire alarm system wiring will be installed in conduit in the walls and in all locations above non-accessible ceiling spaces. Exposed cable will be allowed above accessible ceiling spaces. The minimum size conduit required will be 3/4" EMT and the minimum size fire alarm cable will be #14 AWG. All cable will be plenum rated.

Conduit terminations will be fitted with a plastic bushing to protect the cable. Junction boxes will be painted red. All junction boxes larger than 4 square inches will be required to contain wire terminal strips for all splices and wire connections. The cover of all fire alarm junction boxes will have the letters "FA" stenciled on the cover (white letters on red covers).

5. VOICE AND DATA SYSTEMS:

Voice and Data infrastructure will be part of this project and shall include raceways, cabling, boxes, faceplates, jacks, hangars, terminal blocks, backboards, patch panels, and data terminal racks. The telecommunications room(s) will contain floor mounted racks and patch panels. All head end equipment, except patch panels, will be provided by others. All voice and data work shall be in accordance with ULL wiring standards and labeling.

The telecommunication equipment will be served by a dedicated electrical service and a grounding bus bar that is connected to the main electrical system ground busbar.

A combination telephone/data outlet will be installed at each desk/workstation location and at other locations as designated by the Owner and design guidelines. An individual receptacle will serve each outlet. Each data/telephone outlet will be specified as a RJ-45 jack and will be served with Category 6 cable. The use of glass fiber data system will be included for service runs and in place of copper cabling where lengths exceed 100 meters.

The telephone/data system cabling will be installed in conduit in the walls and in slab in all inaccessible locations to above an accessible corridor ceiling space. Exposed cable will be routed above these accessible corridor ceiling spaces and will be neatly bundled on cable management hooks installed on 4’ centers (in accordance with EIA/TIA Standards) along the corridor walls (both sides of the corridor above accessible ceiling spaces). The minimum size conduit required will be 1” EMT. All conduit terminations will be fitted with a plastic bushing to protect the exposed cable.

6. SECURITY SYSTEMS:

Access control will be provided for exterior doors and other doors required by the project to be determined. The system and associated devices will be specified to be compatible with the existing system(s) used for other buildings on campus.

Reader panels will be included as required to provide access control for egress at all exterior doors and selected interior doors that require controlled access. All secure doors will be configured for free egress.

The access control system wiring will be installed in conduit in the walls and in all locations above non-accessible ceiling spaces. Exposed cable will be allowed above accessible ceiling spaces. The minimum size conduit required will be 3/4” EMT. All cable will be plenum rated.

Conduit terminations will be fitted with a plastic bushing to protect the cable. All junction boxes larger than 4 square inches will be required to contain wire terminal strips for all splices and wire connections.

CIVIL DESIGN NARRATIVE

1. ON-SITE UTILITY SYSTEMS:

   Based on preliminary information and drawings provided by the University, the existing on-campus utilities appear to be adequate for the construction of this facility. Sanitary sewer, water and electrical services are within reasonable distance for efficient tie-in. The need to go beyond the site to access Utility systems is not anticipated other than the possible need to connect to existing public storm drainage systems. Additional determination in regard to this will be made upon receipt and review of the Topographic Boundary Survey which was recently commissioned.

2. OFF-SITE UTILITIES WORK:

   Off-site utilities work is not anticipated for this project. See comments above regarding anticipated storm drainage construction.

3. FIRE PROTECTION SYSTEMS:

   A new Sprinkler System is anticipated to be provided in the Building. Tie-in to available Domestic Water/Fire Protection Lines are currently assumed to be available within a reasonable distance of the proposed new building. Additional determination in regard to this will be made upon receipt and review of the Topographic Boundary Survey which was recently commissioned.

4. DRAINAGE SYSTEMS:

   On-site drainage system work consists of the connection to the existing campus and/or public sub-surface drainage system including new piping and cast-in-place concrete drain inlets with metal grates, possible re-routing of site storm drainage to connect to the existing storm drainage catch basins in the public way, and provisions for the connection of the roof drainage system as required. Storm Water Retention ponds are not anticipated but oversized underground piping systems to tie into existing storm drainage in the public way may be required and could be verified in the next project phase.

5. PAVING:

   Project paving will likely consist of cast-in-place portland cement concrete pavement for drives, entry porches, plazas, landings, and walkways. Some accent unit masonry and/or colored paving systems may be incorporated to be determined in subsequent phases.

LANDSCAPE DESIGN NARRATIVE

1. LANDSCAPING DESIGN:

   The Landscaping Design will be composed of plantings that are sensitive to the University's Standards and Campus Master Plan documents with emphasis on ease of maintenance and use of plants naturally more prolific in the local environment.

SECTION 3
PROGRAM REQUIREMENTS

ULL Engineering Building
LA DOA Project No. 19-640-20-02,F.19002350 H/S Project No. 21014
10.29.21

Building Area Summary - Overall

PHASE 1	
DEPARTMENT	**TOTAL SF**
Dean's Suite	**2,669**
Student Support Spaces	**6,760**
Engineering Center of Excellence	**4,480**
Teaching Spaces	**28,100**
Faculty Support Spaces	**1,780**
Phase 1 - Total Net Area SF	43,789
Burden (Net ASF/ 0.69)	0.69
Total Burden SF	19,673
Phase 1 - Total Gross Area SF	**63,462**

Notes: Burden includes wall thicknesses, circulation, restrooms, mechanical & electrical rooms, etc.

Building Area Summary - Detailed

PHASE 1					
DEPT.	**SPACE**	**TYPE OF SPACE**	**UNIT SF**	**QTY.**	**TOTAL SF**
Dean's Suite					
Dean's Suite	Dean's Office	Office	200	1	200
Dean's Suite	Dean's Office Restroom (included in burden)	Restroom	0	1	0
Dean's Suite	Executive Conference Room	Conference	579	1	579
Dean's Suite	Associate Dean	Office	144	1	144
Dean's Suite	Associate Dean	Office	144	1	144
Dean's Suite	Assistant Dean	Office	120	1	120
Dean's Suite	Assistant Dean	Office	120	1	120
Dean's Suite	College Resource Coordinator	Office	108	1	108
Dean's Suite	Dean Administrative Assistant III	Office	108	1	108
Dean's Suite	Dean Assistant in Lobby	Office	80	1	80
Dean's Suite	Large Storage Room	Storage	150	1	150
Dean's Suite	File Room	Storage	64	1	64
Dean's Suite	College Retetion Coordinator	Office	108	1	108
Dean's Suite	College Communication Coordinator	Office	108	1	108
Dean's Suite	College Outreach Coordinator	Office	108	1	108
Dean's Suite	Development Director	Office	108	1	108
Dean's Suite	Student Workers	Office	140	3	420
			Dean's Suite	**19**	**2,669**
Student Support Spaces					
Student Support	Commons/Atrium-Café'/Market	Support	2,000	1	2,000
Student Support	Department Student Lounge-CHEE, CIVE, EECE, ITEC, PETE	Support	2,400	1	2,400
Student Support	Student Organization Office-LES	Support	180	1	180
Student Support	Student Organization Office-SWE	Support	180	1	180
Student Support	Student Organization Office-NSBE	Support	180	1	180
Student Support	Department Student Office-AICHE	Support	180	1	180
Student Support	Department Student Office-ASCE	Support	180	1	180
Student Support	Department Student Office-IEEE	Support	180	1	180
Student Support	Department Student Office-ATMAE	Support	180	1	180
Student Support	Department Student Office-ASME	Support	180	1	180
Student Support	Department Student Office-SPE	Support	180	1	180
Student Support	Grad Student Lounge	Support	180	1	180
Student Support	Meeting/Board Room	Support	560	1	560
			Student Support Areas	**13**	**6,760**
Engineering Center of Excellence					
Eng. Ctr. of Excel.	Mosing Board Room	Conference	400	1	400
Eng. Ctr. of Excel.	Mosing Student Plotter Room	Student Support	140	1	140
Eng. Ctr. of Excel.	Mosing Engineering Ambassador Work Room	Student Support	240	1	240
Eng. Ctr. of Excel.	Mosing Storage Room	Storage	200	1	200

PHASE 1					
DEPT.	**SPACE**	**TYPE OF SPACE**	**UNIT SF**	**QTY.**	**TOTAL SF**
Eng. Ctr. of Excel.	Student Excellence Center	Common	500	1	500
Eng. Ctr. of Excel.	Entrance/ CommonSpace (included in Burden)	Common	0	1	0
Eng. Ctr. of Excel.	Huddle Room	Collaboration	120	1	120
Eng. Ctr. of Excel.	Huddle Room	Collaboration	120	1	120
Eng. Ctr. of Excel.	Huddle Room	Collaboration	120	1	120
Eng. Ctr. of Excel.	Huddle Room	Collaboration	120	1	120
Eng. Ctr. of Excel.	Huddle Room	Collaboration	120	1	120
Eng. Ctr. of Excel.	Huddle Room	Collaboration	120	1	120
Eng. Ctr. of Excel.	Study Room	Collaboration	600	1	600
Eng. Ctr. of Excel.	Study Room	Collaboration	600	1	600
Eng. Ctr. of Excel.	Study Room	Collaboration	600	1	600
Eng. Ctr. of Excel.	Student Mentoring/Tutoring Room	Collaboration	160	1	160
Eng. Ctr. of Excel.	Student Mentoring/Tutoring Room	Collaboration	160	1	160
Eng. Ctr. of Excel.	Student Mentoring/Tutoring Room	Collaboration	160	1	160
		Engineering Center of Excellence		**18**	**4,480**
Teaching Spaces					
Teaching Spaces	Audtitorium (cap.200)	Assembly	2,400	1	2,400
Teaching Spaces	Very Large Classroom (Small Auditourium)(cap.125)	Classroom	1,670	2	3,340
Teaching Spaces	Makerspace (Design Studio)	Lab	3,000	1	3,000
Teaching Spaces	Large Classroom (cap.76)	Classroom	1,520	1	1,520
Teaching Spaces	Large Classroom (cap.76)	Classroom	1,520	1	1,520
Teaching Spaces	Large Classroom (cap.76)	Classroom	1,520	1	1,520
Teaching Spaces	Large Classroom (cap.76)	Classroom	1,520	1	1,520
Teaching Spaces	Large Classroom (cap.76)	Classroom	1,520	1	1,520
Teaching Spaces	Medium Classroom (cap.61)	Classroom	1,440	1	1,440
Teaching Spaces	Medium Classroom (cap.61)	Classroom	1,440	1	1,440
Teaching Spaces	Medium Classroom (cap.61)	Classroom	1,440	1	1,440
Teaching Spaces	Medium Classroom (cap.61)	Classroom	1,440	1	1,440
Teaching Spaces	Small Classroom (cap. 46)	Classroom	1,200	1	1,200
Teaching Spaces	Small Classroom (cap. 46)	Classroom	1,200	1	1,200
Teaching Spaces	Small Classroom (cap 31)	Classroom	900	1	900
Teaching Spaces	Small Classroom (cap 31)	Classroom	900	1	900
Teaching Spaces	Small Classroom (cap 31)	Classroom	900	1	900
Teaching Spaces	Small Classroom (cap 31)	Classroom	900	1	900
			Shared Spaces	**19**	**28,100**
Faculty Support Spaces					
Faculty Support	Shared Faculty/Staff Work Space / Lounge	Faculty Support	1,600	1	1,600
Faculty Support	Copy Room with Storage	Faculty Support	180	1	180
Faculty Support	Faculty Restrooms (included in burden)	Faculty Support	0	2	0

Building Area Summary 3.1

PHASE 1					
DEPT.	**SPACE**	**TYPE OF SPACE**	**UNIT SF**	**QTY.**	**TOTAL SF**
			Dept. Commons	**3**	**1,780**
			Phase 1 - Total Net Area SF		43,789
			Burden (Net ASF/ 0.69)		0.69
			Total Burden SF		19,673
			Circulation Burden SF		*14,755*
			Restrooms Burden SF		*1,967*
			Mech/Elec/Wall Thkns Burden SF		*2,951*
			Phase 1 - Total Gross Area SF		**63,462**

Note: Burden includes wall thicknesses, circulation, restrooms, mechanical & electrical rooms, etc.

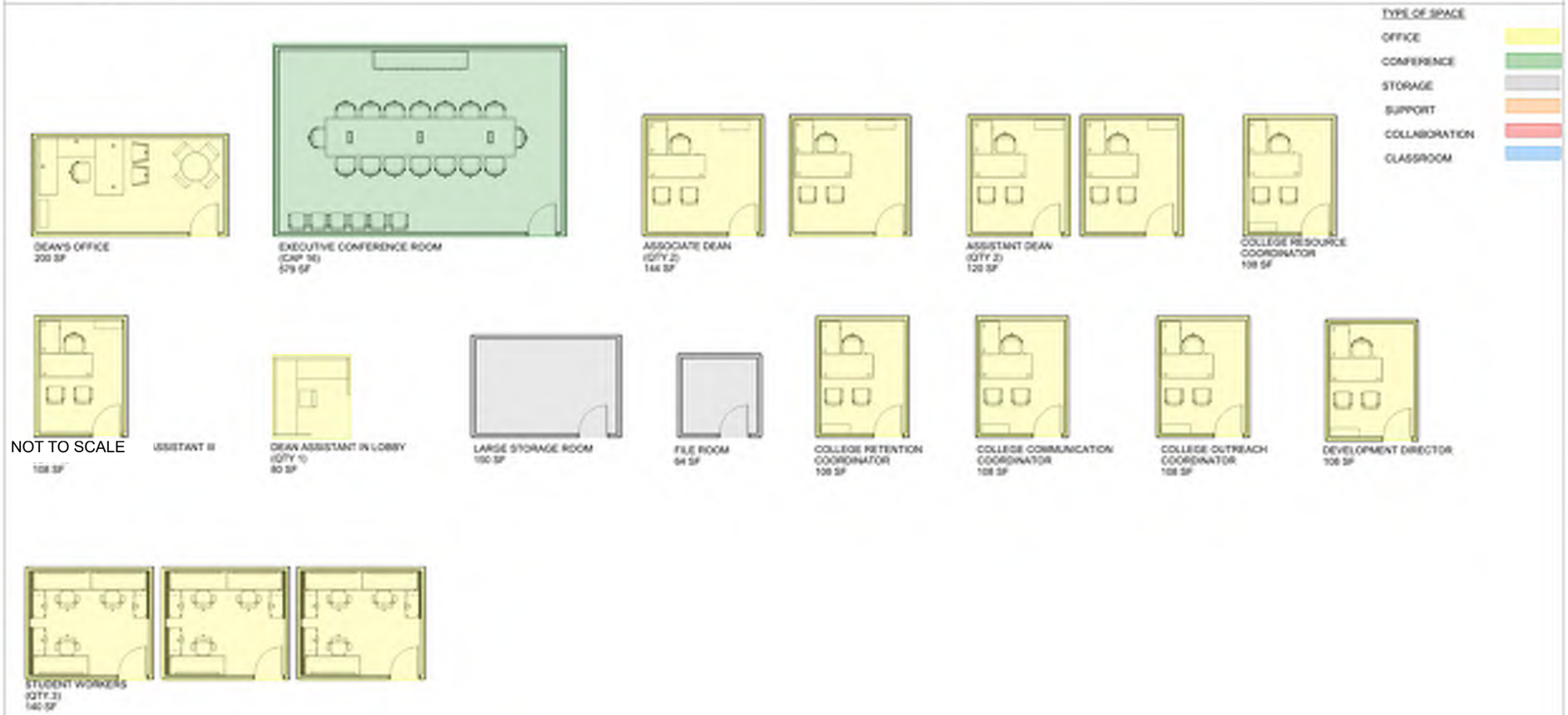
VISUAL AREA SUMMARY

FP&C ULL Engineering Classroom Bldg.

1 of 7

DEAN'S SUITE

NOT TO SCALE

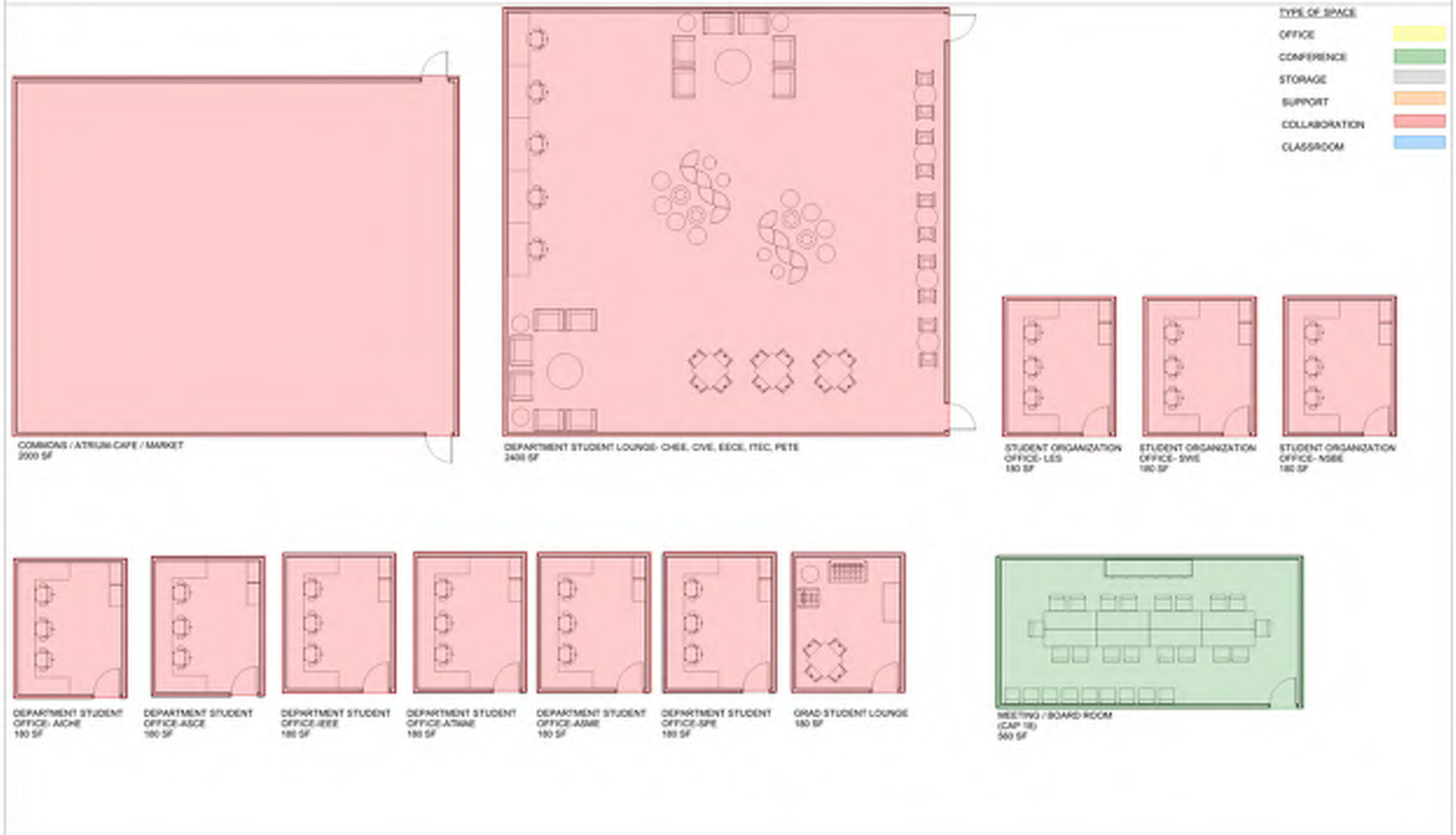


VISUAL AREA SUMMARY

FP&C ULL Engineering Classroom Bldg. 2 of 7

STUDENT SUPPORT SPACES

NOT TO SCALE

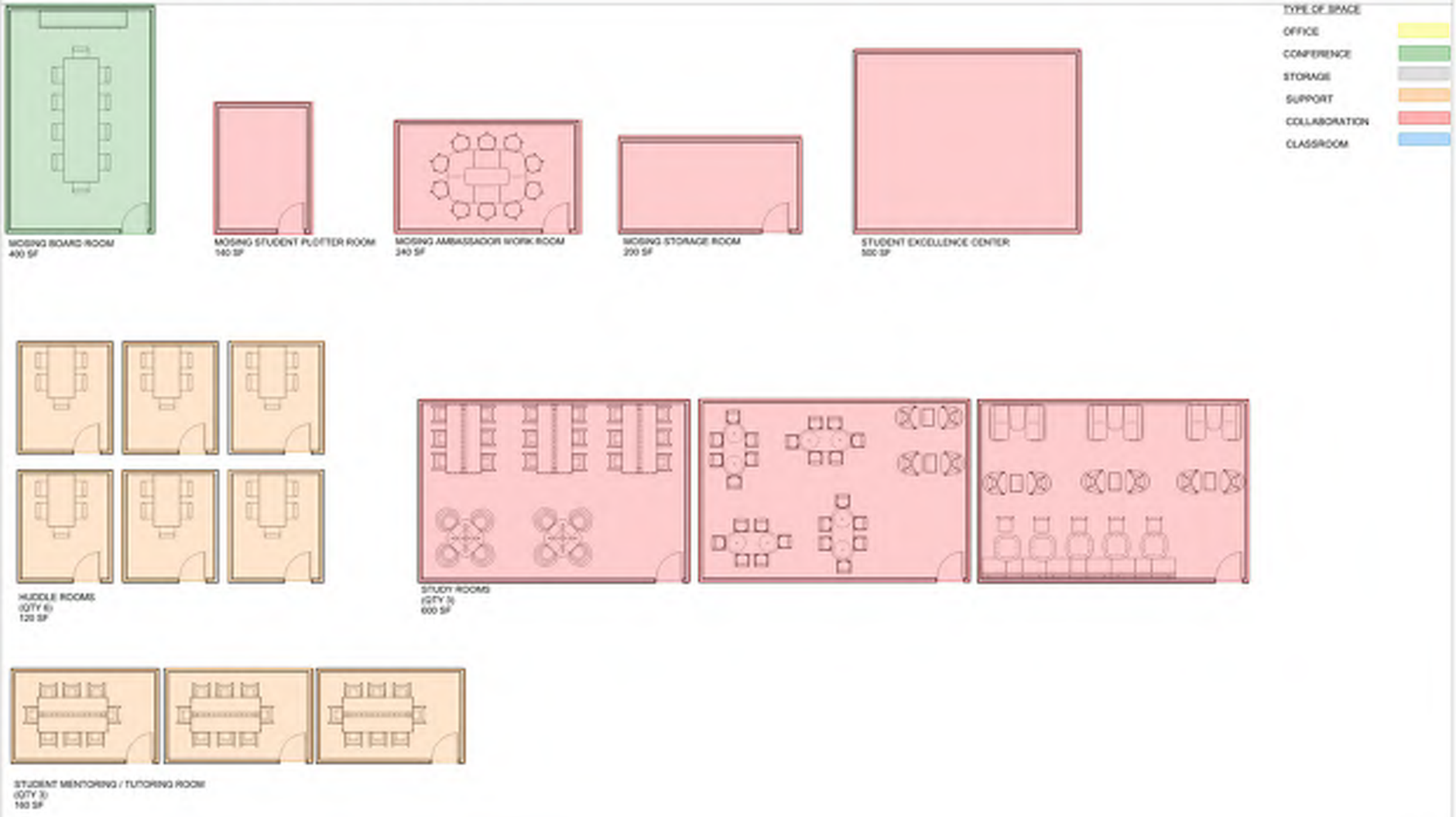


VISUAL AREA SUMMARY

FP&C ULL Engineering Classroom Bldg. 3 of 7

ENGINEERING CENTER OF EXCELLENCE

NOT TO SCALE

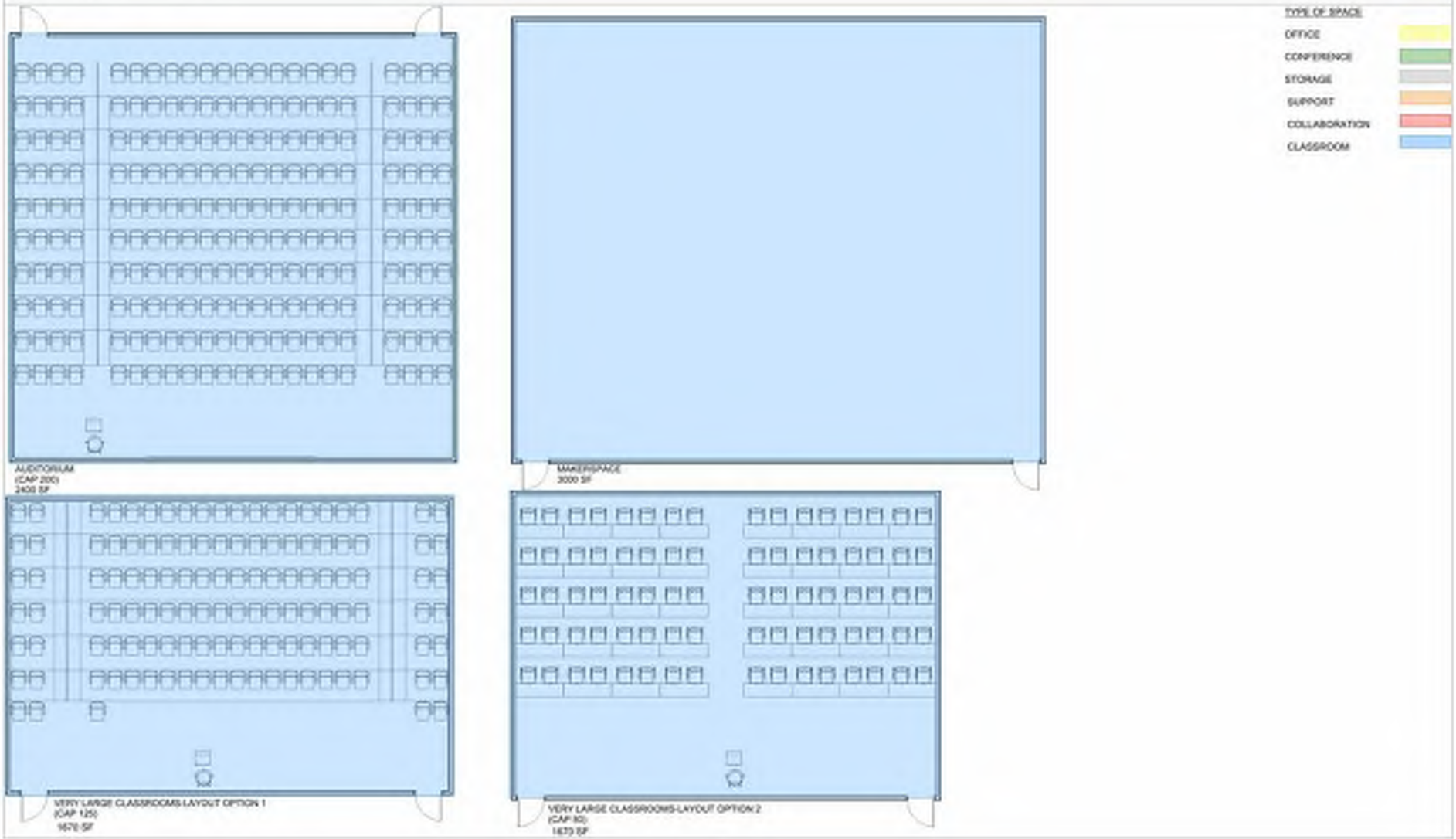


VISUAL AREA SUMMARY

FP&C ULL Engineering Classroom Bldg. 4 of 7

TEACHING SPACES

NOT TO SCALE



VISUAL AREA SUMMARY

FP&C ULL Engineering Classroom Bldg. 5 of 7

TEACHING SPACES

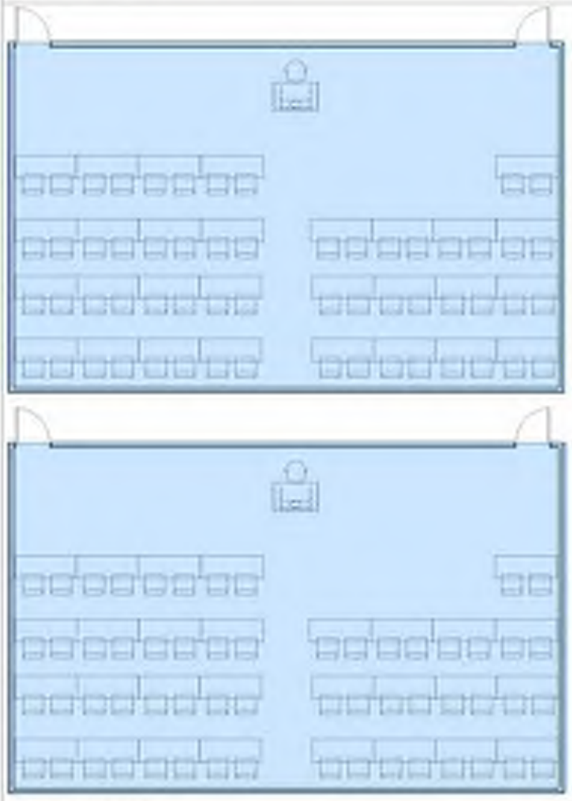
NOT TO SCALE

VISUAL AREA SUMMARY

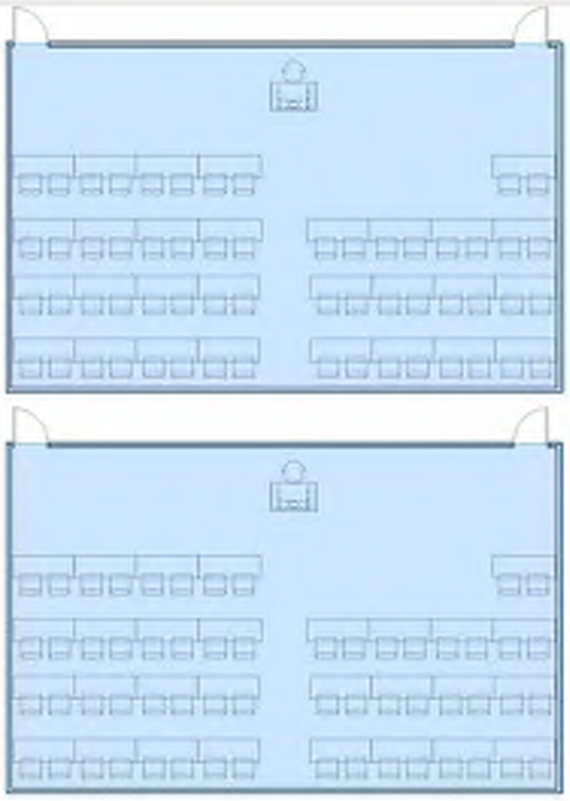
FP&C ULL Engineering Classroom Bldg. 6 of 7

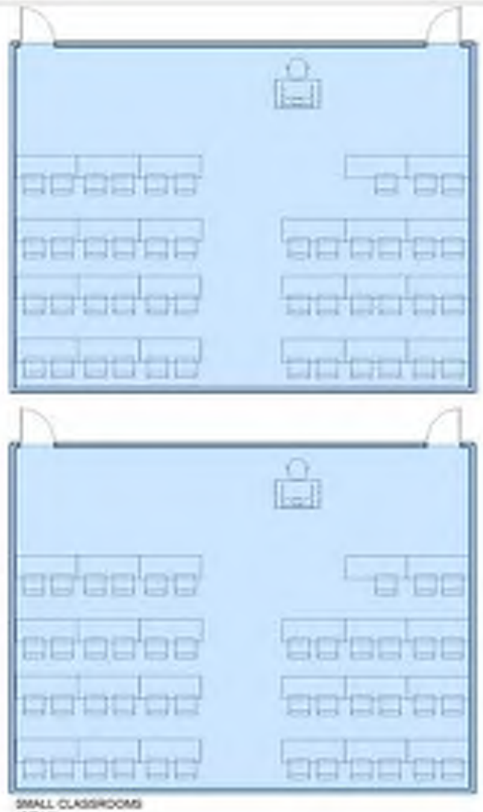
TEACHING SPACES

NOT TO SCALE



MEDIUM CLASSROOMS
(QTY 4)
(CAP 67)
1440 SF





SMALL CLASSROOMS
(QTY 2)
(CAP 46)
1200 SF

TYPE OF SPACE
OFFICE
CONFERENCE
STORAGE
SUPPORT
COLLABORATION
CLASSROOM

VISUAL AREA SUMMARY

FP&C ULL Engineering Classroom Bldg. 7 of 7

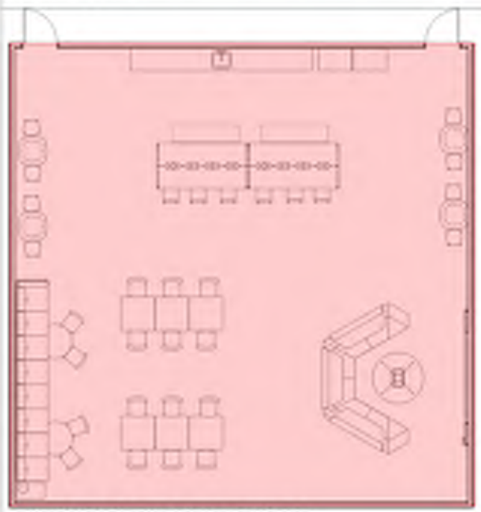
TEACHING SPACES

NOT TO SCALE

SMALL CLASSROOMS
(QTY 4)
(CAP 31)
900 SF

FACULTY SUPPORT SPACES

NOT TO SCALE



SHARED FACULTY/ STAFF WORK SPACE/ LOUNGE
1600 SF

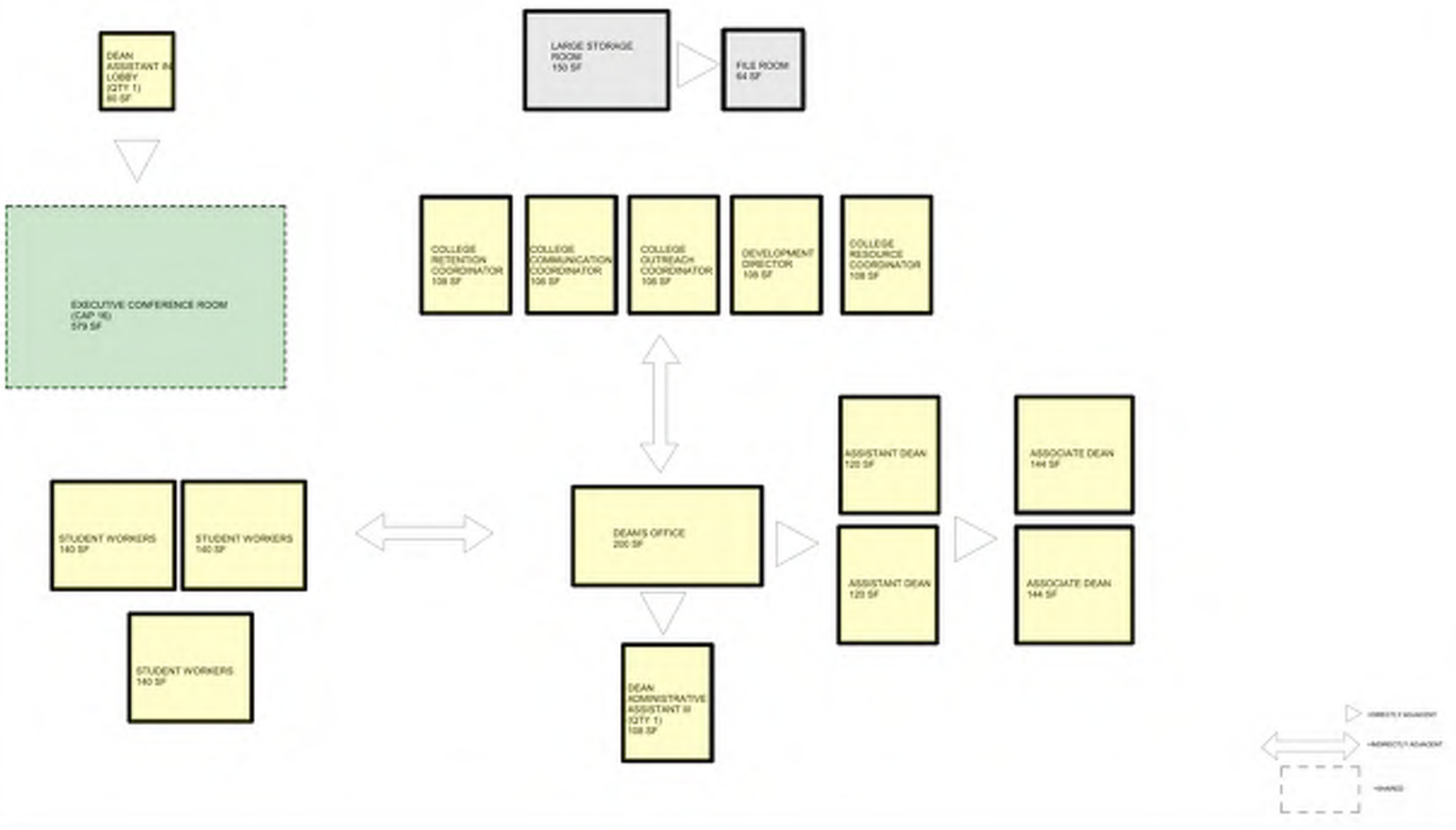
COPY ROOM WITH STORAGE
(CAP 1)
180 SF

ADJACENCY DIAGRAM

FP&C ULL Engineering Classroom Bldg. 1 of 5

DEAN'S SUITE

NOT TO SCALE

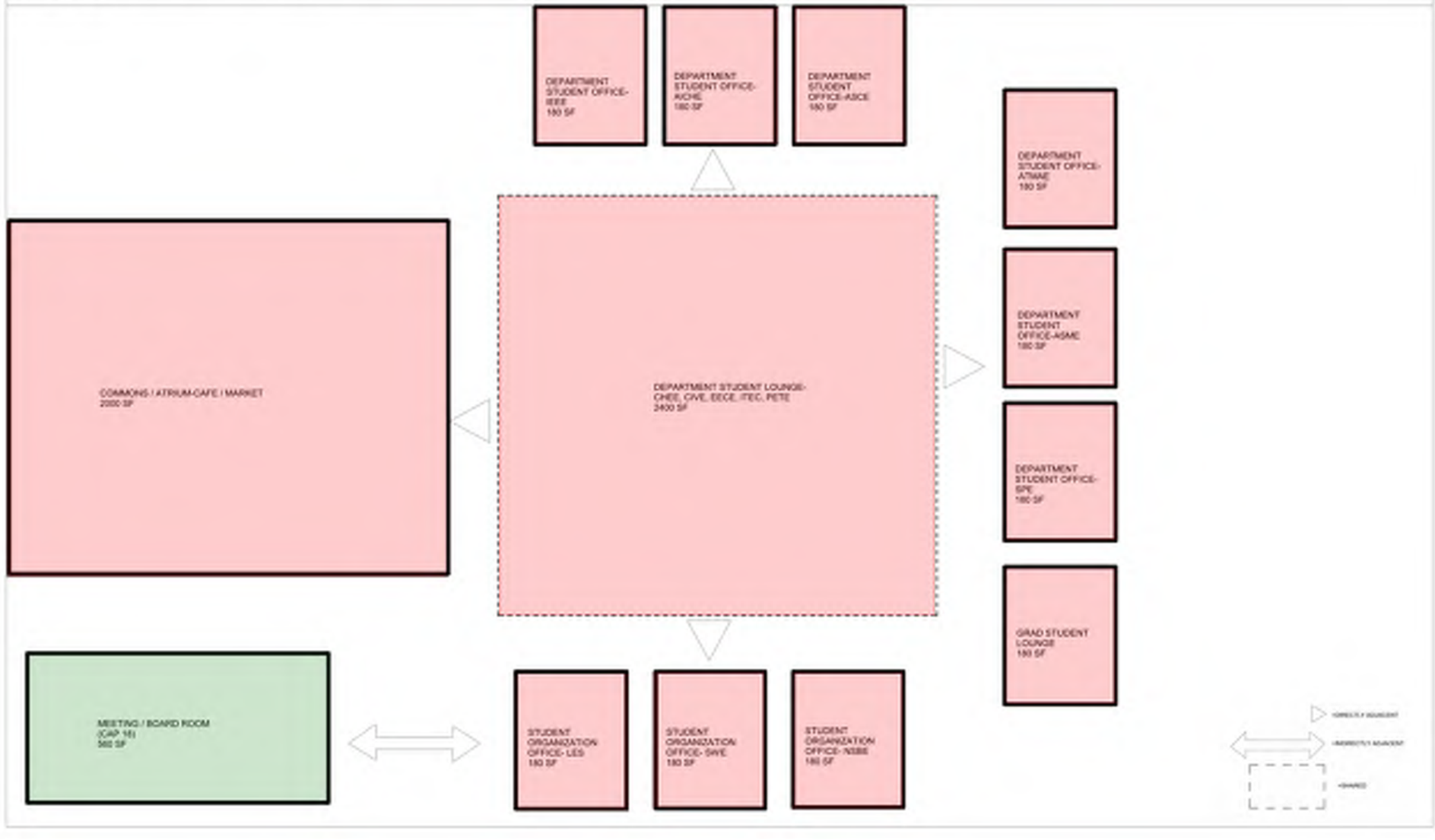


ADJACENCY DIAGRAM

FP&C ULL Engineering Classroom Bldg. 2 of 5

STUDENT SUPPORT SPACES

NOT TO SCALE

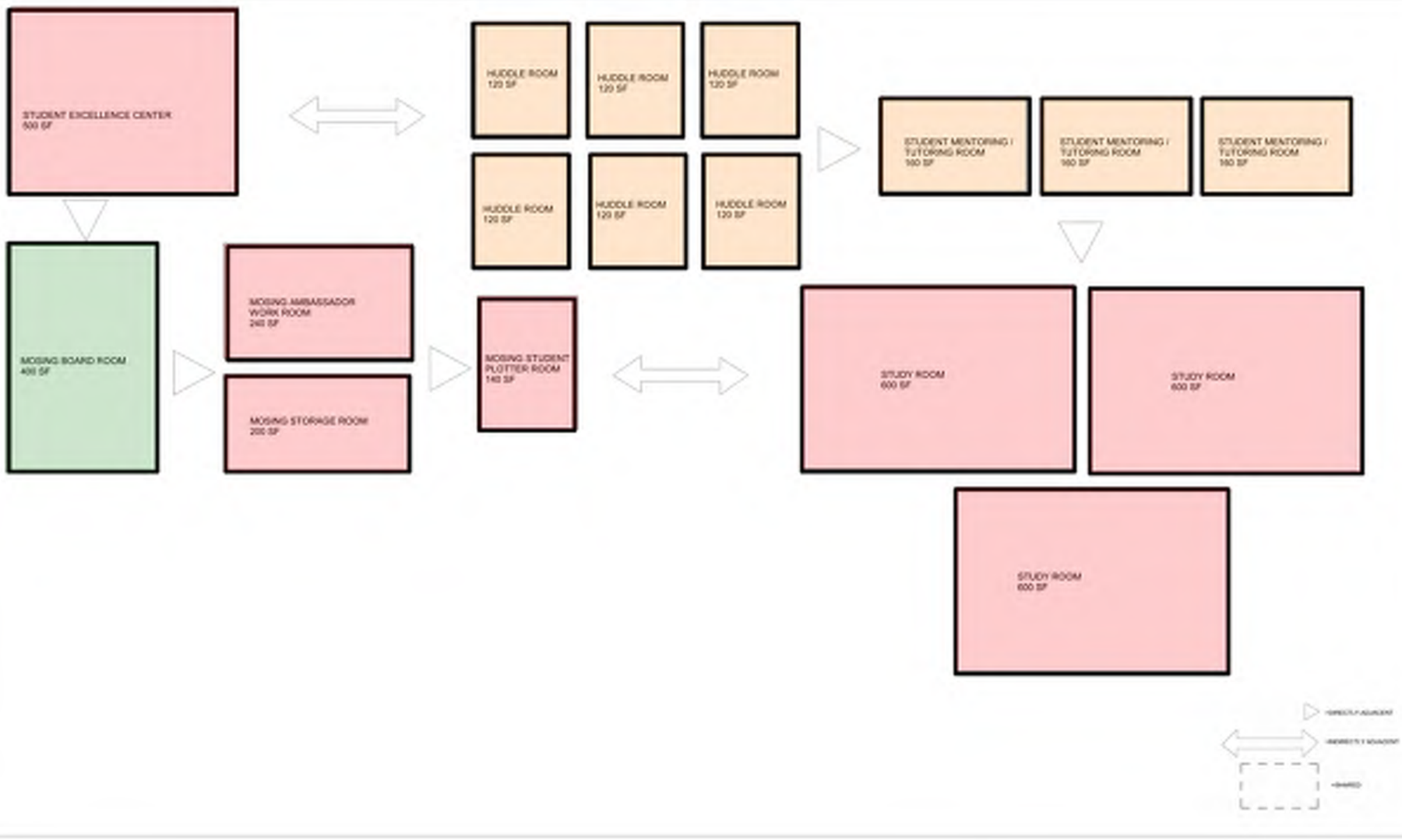


ADJACENCY DIAGRAM

FP&C ULL Engineering Classroom Bldg. 3 of 5

ENGINEERING CENTER OF EXCELLENCE

NOT TO SCALE

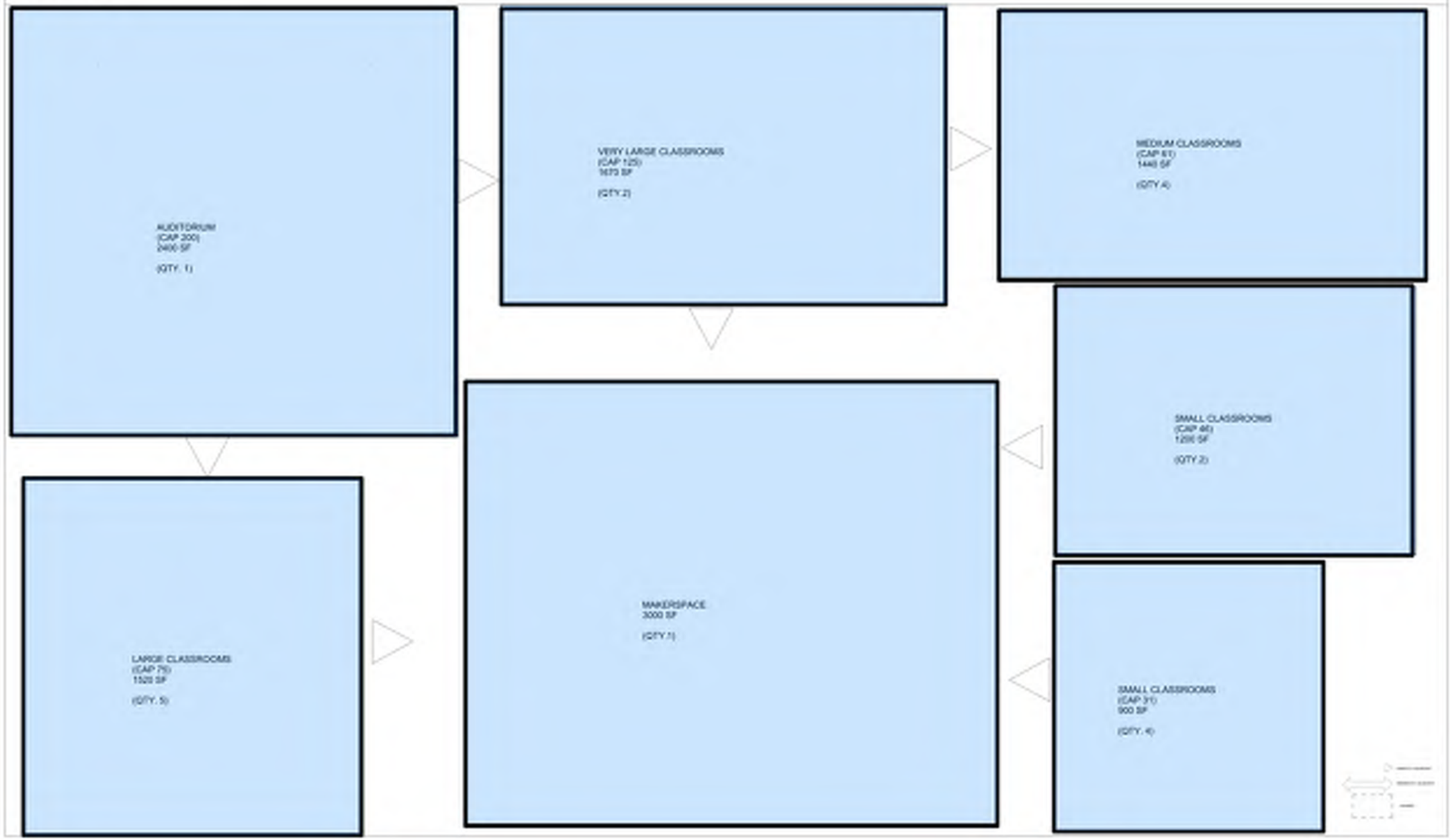


ADJACENCY DIAGRAM

FP&C ULL Engineering Classroom Bldg. 4 of 5

TEACHING SPACES

NOT TO SCALE



ADJACENCY DIAGRAM

FP&C ULL Engineering Classroom Bldg. 5 of 5

FACULTY SUPPORT SPACES

NOT TO SCALE