“Being more than a collection of individuals, SUNY Potsdam is a community dedicated to the pursuit of common goals.”

- SUNY COLLEGE AT Potsdam Pledge

NOVEMBER 1, 2010

FACILITIES MASTER PLAN

PHASE III

ANALYSIS OF SPACE NEEDS

The analysis in this Phase III Report attempts to identify current use in current facilities. Facilities to come on line or under renovation are not included. These spaces will be part of the solutions moving forward. The following pages will focus on:

1. Learning environments (Classroom and Class) Utilization
2. Crane School of Music Utilization
3. Full-Time-Equivalent (FTE) Capacity
4. Non-learning environment benchmarking
5. Recommended Space Needs

Burt Hill has reviewed the State University Construction Fund (SUCF) Facility Programming Standards and has benchmarked Potsdam’s existing space usage against those space standards, as well as, The Society of College and University Planners (SCUP), and Potsdam’s peer institutions. Burt Hill has also recommended changes and/ or updates to the comparable standards, which is detailed later in the report.

It is anticipated that SUNY College at Potsdam will grow to 5,005 FTEs by 2018. The current net assignable square feet (NASF) on campus provides space for both student and faculty growth as projected by the College. It is recommended that the campus see increases in square footage of departmental faculty & staff offices, assembly, and student/ faculty activities, in order to accommodate 5,005 FTEs. The College’s current NASF per FTE is greater than the NASF per student standards recommended by SUNY and Burt Hill. The consultants recommendation of a few modest additions to the campus, along with major repurposing of space allocations will allow the NASF per student to decrease considerably by 2018.

At 5,005 FTEs, Potsdam’s existing learning environments (classrooms, lecture halls and class laboratories) will still not reach the SUNY or Burt Hill target utilization levels. Some of the non-learning environment spaces will need to increase as a result of the projected campus growth. By right-sizing a few classrooms, there will be adequate learning environment space within the existing building inventory. Burt Hill believes that departmental relocations around the academic quadrangle can be made to resolve the office and storage requirements.

An extensive space utilization analysis has been completed within this phase. The utilization study demonstrates how well scheduled rooms (classrooms and class labs) perform in terms of use – measured in both hours scheduled and seats occupied. The results of which will be applied to make decisions about space needs and renovation priorities in Phases IV and V of the Facilities Master Plan.

The analysis has proven that there is no need for an academic surge building to accommodate the necessary full building renovations and departmental relocations. The opening of the new Performing Arts Building will result in vacated space in Satterlee Hall, specifically the Scene Shop, College and Black Box Theaters, which serve as adequate surge space for full building renovations. Through the use of project phasing, single academic buildings can be completely shut-down for the duration of a full building renovation.

Only rooms coded as classrooms (1001) and class labs (1300) have been included in this study. This learning environment inventory has been verified with the college and represents rooms whose primary function is instruction.

At SUNY Potsdam, this analysis has shown classrooms and class labs to be under-used on average, allowing the College significant opportunities to renovate, upgrade, and improve their facilities for modern and innovative learning, without the need to add new footprint.

SUCF PN: 12824 - FMP POTSDAM

SUNY POTSDAM

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ENROLLMENT PROJECTIONS
STUDENT & FACULTY

SUMMARY

SUNY Potsdam's projected student enrollment will be affected by numerous external and internal influences. While North Country graduation rates will be declining over the next eight years, there is the possibility of increasing prospective students from other areas within the State of New York. There is also the possibility of reaching-out to neighboring New England states with a regional recruiting drive. However, this narrative will focus on how the built condition can influence student enrollment. The key to increasing Potsdam's student enrollment is to continue to rely on the strong academic and communal foundations already in place, and to develop a new campus vitality with the proposed new construction and renovations.

Historically, Potsdam's enrollment has had downward and upward trends. The average enrollment in the 1970s was 4,612 students. Enrollment reductions occurred in the 1980s (4,317) and 1990s (4,123). However, there has been an enrollment increase in the 2000s, with an average of 4,325 students up to the fall semester 2008 statistics.

Decade	Avg. Enrollment
1970s	4,612
1980s	4,317
1990s	4,123
2000s	4,325

As indicated in Phase I, 41.7 percent of SUNY Potsdam's enrollment is from the North Country Counties of Clinton, Essex, Franklin, Hamilton, Jefferson, Lewis, St. Lawrence, Warren, and Washington. North Country High School (NCHS) graduation rates from 1995 to 2006 have not identified any growth or reduction that parallels Potsdam's enrollment rates. The projected future NCHS graduation rates indicate a steady reduction from 2009 to 2017 of approximately 2.0 percent per year. However, there is a projected graduation spurt indicated in 2018 of 3.3 percent [Data from SED HS Projections by NYS County (1995-2020)]. It is unclear if the North Country graduation rates can be utilized as a reliable tool in projecting SUNY Potsdam's enrollments to 2023.

SUNY's projected enrollments for Potsdam also appear to be atypical of previous trends. SUNY projects an average enrollment increase of 2.5 percent between 2009 and 2013, followed by a drop of 14.5 percent in 2014. The projections continue with an average increase of 1.0 percent per year from years 2015 through 2018. Narrative data was not provided to acknowledge this unusual projection. The bottom chart to the right illustrates Burt Hill's calculated projections for student and faculty FTE growth.

Currently, Potsdam's ability to attract new students relies on four primary factors:

- Academic reputation
- Community atmosphere created by the faculty, staff, and students
- Excellence of The Crane School of Music both in-state and nationally
- Ideally located to take advantage of the Adirondack outdoor experience

These factors are important for Potsdam to maintain a strong presence in the recruiting market. They should remain at the forefront of any marketing initiative, both within and outside the SUNY system. However, based upon projected North Country population rates, it is the opinion of Burt Hill that these factors alone can only account for a growth of about 0.5 percent per year.

The only significant building activity that SUNY Potsdam has witnessed in the past 25 years is the residential townhouses. This lack of new construction results in a campus that appears to be worn and dated. While the existing buildings are still effective per their purpose, they do not exhibit vitality. The 2006 / 2008 residential townhouses have been a successful addition to the campus and have been completely occupied since their opening. New construction tends to revitalize a campus and usually plays a central role in the recruitment of potential students.

Burt Hill believes the construction of the new Performing Arts Complex in 2013 will make a significant impact to campus enrollment. At a minimum, the new building will significantly impact the enrollment within the Dance and Performing Arts Programs at Potsdam. The building should also stimulate overall campus appeal. Likewise, the addtion to and/or renovation of the Barrington Student Union will have a dramatic effect on student recruitment. Upon visiting a campus, students' first questions are: "Where do I sleep?" and "Were do I eat?" A new student union located at the center of campus would be a vital investment in recruiting opportunities. With the advent of the Performing Arts Complex and the Student Union, Burt Hill believes that enrollment will increase by 2.0 percent from 2014 to 2015 (Performing Arts activation), and 3.0 percent from 2016 through 2018 (potential Barrington Student Union activation).

The College's goal to grow to 5,005 FTE is expected through increasd program offerings on and off camus, optional SAT/ACT score submission, freshman scholarships, and an expanded marketing sector in downstate New York. An equally important factor to successful student recruiting is student retention. The ability to retain students after their freshman or sophomore years has the same effect as the ability to recruit additional high school students. Currently, Potsdam's retention rate is 75.3 percent. While this is within acceptable national averages, the infusion of new campus construction can help maintain the existing student population. Potsdam's strong sense of community created by the faculty, staff, and students plays a key role in the currentretention of students. The vitality of new construction, including new campus living and dining rooms in the form of a new student union, should significantly impact a student's decision to remain at Potsdam for their full undergraduate tenure. Burt Hill believes that student retention could incrementally increase from 75.3 percent in 2008 to 82.0 percent in 2018 as a result of both new construction and a re-invigorated community atmosphere set forth as an initiative by the college administration. The chart to the right illustrates the College's student and faculty FTE projections to 2023.

Burt Hill believes that through a combination of a new enrollment increases in the student retention rate Potsdam can achieve a full-time equivalent enrollment of 5,012 students in 2018 and 5,268 in 2023.

BASIS OF ANALYSIS

- North Country High School graduation rates indicate an average net decrease of 0.9 percent each year for the next ten years. Potsdam currently recruits 46.0 percent of their student body from the North Country Region.
- SUNY is projecting an average net enrollment increase of 0.3 percent for the next ten years.
- Based upon the last five years of enrollment increases, Burt Hill is confident that Potsdam can achieve a net enrollment increase of 0.5 percent for the next five years.
- Burt Hill believes that the upcoming Performing Arts Building will present a spike in enrollment, from 0.5 to 2.0 percent in 2014, due to the inherent value-added assett that a new facility will bring to the Dance and Drama Programs. Furthermore, Burt Hill believes that Potsdam will see another spike in enrollment, from 2.0 to 3.0 percent in 2016, due to work on the Barrington Student Union.
- Currently, Potsdam's student retention rate is 75.3 percent. The Memorandum of Understanding indicates a goal of 80 percent student retention by 2010.
- Burt Hill believes that Potsdam's continued improvement to the First Year Experience Programs, an 80 percent retention rate, can be achieved by 2014. The inclusion of improvements to the Barrington Student Union will inherently improve student life and lead to a spike in the retention rate to 82 percent in 2016.
- These factors can conservatively lead to an overall FTE greater than 5,000 by 2018.

SUNY POTSDAM ENROLLMENT PROJECTIONS

Department Name	Fall 2008 FTE					Fall 2013 FTE					Fall 2018 FTE					Fall 2023 FTE				
	Credits Generated			Faculty FTE	Total Student FTE Generated	Credits Generated			Faculty FTE	Total Student FTE Generated	Credits Generated			Faculty FTE	Total Student FTE Generated	Credits Generated			Faculty FTE	Total Student FTE Generated
	LD	UD	G1			LD	UD	G1			LD	UD	G1			LD	UD	G1		
School of Education Misc. Programs	18	206	1,140	5.3	110	18	206	1,290	5.3	122	19	212	1,428	5.3	134	19	212	1,428	5.3	134
Special Education	-	138	532	4.0	54	-	138	604	4.0	60	-	142	696	4.0	67	-	142	696	4.0	67
Curriculum & Instruction B-G6	173	1,189	3,184	14.1	356	173	1,189	3,184	14.1	356	178	1,225	3,280	14.1	367	178	1,225	3,280	14.1	367
Literacy	319	187	753	6.3	96	319	187	813	6.3	101	329	193	899	6.3	110	329	193	899	6.3	110
Secondary Education	69	405	970	9.1	112	219	555	1,090	9.1	142	303	649	1,262	9.1	169	303	649	1,262	9.1	169
Information and Comm Technology	-	-	492	5.3	41	-	-	672	5.3	56	-	-	791	5.3	66	-	-	791	5.3	66
Physical Education	1,257	359	-	11.5	108	1,345	384	-	12.3	115	1,482	423	-	13.2	123	1,482	423	-	13.2	123
Community Health	776	812	-	7.0	106	851	932	105	9.0	128	954	1,037	213	11.0	151	954	1,037	213	11.0	151
Business Administration	381	1,216	-	7.8	106	381	1,396	-	8.8	118	392	1,592	-	9.0	132	392	1,592	-	9.0	132
Arts & Sciences Misc. Programs	444	372	6	3.5	55	475	398	-	3.5	58	524	439	-	3.5	64	524	439	-	3.5	64
Anthropology	2,119	522	-	9.0	176	2,200	550	-	9.0	183	2,421	639	-	10.0	204	2,421	639	-	10.0	204
Art	1,586	1,309	27	12.6	195	1,838	1,517	27	14.6	226	2,023	1,670	28	15.6	248	2,023	1,670	28	15.6	248
Biology	1,678	872	-	9.7	170	1,851	962	-	10.7	188	2,085	1,084	-	11.7	211	2,085	1,084	-	11.7	211
Chemistry	852	735	-	6.8	106	915	789	-	6.8	114	1,006	868	-	7.8	125	1,006	868	-	7.8	125
Computer Science	420	139	-	4.4	37	468	155	-	4.4	42	530	176	-	5.4	47	530	176	-	5.4	47
Theatre and Dance	1,090	604	-	8.4	113	1,350	748	-	10.4	121	1,791	993	-	13.4	129	1,791	993	-	13.4	129
Economics and Employment Relations	693	751	-	5.5	96	710	770	-	5.5	99	750	813	-	5.5	104	750	813	-	5.5	104
English and Communication	4,718	1,720	203	29.2	446	4,799	1,749	210	29.2	454	5,026	1,832	227	30.2	476	5,026	1,832	227	30.2	476
Modern Languages	2,359	465	-	11.8	188	2,418	477	-	11.8	193	2,552	504	-	11.8	204	2,552	504	-	11.8	204
Geology	825	436	-	5.3	84	846	447	-	5.3	86	893	472	-	5.3	91	893	472	-	5.3	91
History	2,745	1,123	-	12.2	258	2,814	1,151	-	12.2	264	2,971	1,215	-	12.2	279	2,971	1,215	-	12.2	279
Mathematics	2,135	453	138	11.0	184	2,188	464	150	11.0	189	2,496	490	165	11.0	213	2,496	490	165	11.0	213
Philosophy	1,104	375	-	4.5	99	1,132	384	-	4.5	101	1,195	406	-	4.5	107	1,195	406	-	4.5	107
Physics	574	269	-	4.7	56	588	276	-	4.7	58	621	291	-	4.7	61	621	291	-	4.7	61
Politics	1,153	451	-	6.3	107	1,182	462	-	6.3	114	1,248	488	-	6.0	122	1,248	488	-	6.0	122
Psychology	1,497	2,013	-	11.3	234	1,534	2,063	-	11.3	240	1,619	2,178	-	11.3	253	1,619	2,178	-	11.3	253
Sociology	778	1,027	27	8.0	123	797	1,053	27	8.0	126	842	1,111	28	8.0	133	842	1,111	28	8.0	133
Crane School of Music	1,821	6,160	385	72.4	564	1,908	6,246	520	78.0	585	1,866	6,555	682	86.0	614	1,866	6,555	682	86.0	614
Total	31,584	24,308	7,857	306.6	4,381	33,319	25,648	8,692	321.3	4,639	36,115	27,698	9,698	341.0	5,005	36,115	27,698	9,698	341.0	5,005

BURT HILL ENROLLMENT PROJECTIONS

	Actual	Projected														
Year	2008	2009	2010	2011	2012	2013[1]	2014	2015	2016[2]	2017	2018	2019	2020	2021	2022	2023
Enrollment Percentage Increase		0.5%	0.5%	0.5%	0.5%	2.0%	2.0%	2.5%	3.0%	3.0%	3.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Projected FTE Increase	4,216.0	4,237.1	4,258.3	4,279.6	4,301.0	4,387.0	4,474.7	4,586.6	4,724.2	4,865.9	5,011.9	5,062.0	5,112.6	5,163.7	5,215.4	5,267.5
Projected Student Retention %	75.3%	76.1%	76.9%	77.6%	78.4%	79.2%	80.0%	81.0%	82.0%	82.0%	82.0%	82.0%	82.0%	82.0%	82.0%	82.0%
Projected Student Retention Increase		15.9	49.3	49.7	50.2	101.7	105.3	135.4	158.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Overall Projected Student FTE		4,253.0	4,307.6	4,329.3	4,351.1	4,488.6	4,580.0	4,721.9	4,882.9	4,865.9	5,011.9	5,062.0	5,112.6	5,163.7	5,215.4	5,267.5

[1] - New Performing Arts Center is activated. [2] - Barrington Student Union is activated.

ANALYSIS OF SPACE GUIDELINES

UNDERSTANDING AND ASSESSMENT

Burt Hill has reviewed the State University of New York Facility Programming Standards , published by the State University Construction Fund, updated August 2007. This document provides square foot per station for every type of space function for the entire SUNY System. Burt Hill has benchmarked Potsdam's existing space usage against the SUNY space standards, The Society of College and University Planners (SCUP), and Potsdam's peer institutions. The results of this benchmarking can be found later in this report.

SUGGESTED CHANGES OR UPDATES

Burt Hill agrees with the SUNY space standard of 20 square feet per station for seminar rooms. However, we believe that a space standard of 16 square feet per station for 30-60 capacity classrooms is too small. The reason for this is two-fold. Classrooms today utilize larger tablet arm chairs and/or chairs / tables in lieu of the smaller tablet arm chairs. The larger work surfaces are required because students often bring laptops to the classroom to take notes and complete in-room research. The second reason is that many classrooms contain projected technology, which requires more precise viewing angles. As a result, Burt Hill believes that 20 square feet per station for classrooms is adequate.

ALTERNATE STANDARDS/ BENCHMARKING

The following analysis is intended to allow a better understanding of SUNY Potsdam's physical space related to non-academic spaces currently on campus. Comparison to similar institutions and national space standards is a useful tool that can strengthen an institution's existing practices, as well as lead to improvements guided by new ideas.

Burt Hill regularly utilizes SCUP space standards for space benchmarking. SCUP is a national non-profit organization that collects space use data from higher education institutions across the country and provides an average space use for each type of function based upon the institution's size, public / private and degree offering. There are advantages and disadvantages to using SCUP as a space standard. The benefit is that the space standards are actual in-use station sizes by a sizable quantity of institutions across the country. Unfortunately, some of the input data may be ten years old or greater. (See page 142 for additional detail regarding recommended space needs for the SUNY College at Potsdam campus.)

The net assignable area of each Space Use Classification and the total Full-Time Equivalent (FTE) are used in this analysis. This information is shown as reported and provided by SUNY, campus facilities staff, and appropriate state education systems as available to the Facilities Master Plan consultant team. State and campus reporting systems may vary resulting in discrepancies of comparable data. The consultant team's recommendations for space remain consistent despite the potential inaccuracy of some portions of data. The classification system is based on SCUP's basic space use categories. The system is intended to provide meaningful and comparable summary data; and provide a significant degree of standardization and compatibility for comparisons across institutions and states. The chart to the right is identifying all assignable space as classified into 1 of the 9 major assignable use categories.

In the College's Memorandum of Understanding, dated November 2006, SUNY College at Potsdam identified SUNYs Plattsburgh and Fredonia as peer institutions. These colleges were confirmed as peers during the focus group, survey, and interview portions of Phase I. As previously mentioned, Burt Hill has identified the University of Mary Washington, Longwood University, and Christopher Newport University as additional peer institutions. In addition, due to the specific nature of The Crane School of Music, Burt Hill is also benchmarking music space standards against Appalachian State University and Youngstown State University.

The chart on the right compares SUNY Potsdam's physical space inventory to its peer institutions and SCUP standards. Each of the campus' space inventory has been categorized per SCUP's space classification system. The following pages analyze each space use category and offer recommendations. Crane School of Music peer institutions are listed later in this section.

PEER INSTITUTIONS

There are a number of four-year public higher education institutions within the eastern United States that SUNY Potsdam has identified as peer institutions. As stated in the Memorandum of Understanding II, dated November 2006, there are numerous other schools that offer comparable Liberal Arts and Teacher Education degrees, including SUNYs Fredonia and Plattsburgh. The following list includes all academic programs offered at SUNY Potsdam's identified peer institutions:

SUNY POTSDAM PEER INSTITUTIONS COMPARISON CHART

					Peer Institutions Identified by SUNY Potsdam		Peer Institutions Identified by Burt Hill		
Space Use Classification	SUNY Recommended Standards	Society for College & University Planning (SCUP)	Burt Hill (BH) Recommended Standards	SUNY College at Potsdam (existing)	SUNY College at Plattsburgh	SUNY College at Fredonia	University of Mary Washington	Longwood University	Christopher Newport University
		NASF/ FTE	NASF/ FTE	NASF/ FTE	NASF/ FTE	NASF/ FTE	NASF/ FTE	NASF/ FTE	NASF/ FTE
FTE Enrollment 2008-09		2,500-4,999	2,500-4,000	4,381	5,915	5,428	3,812	3,906	4,458
Classrooms	16	16	11	13	11	11	11	18	8
Laboratories Instructional (Class Laboratories)	40	9	15	31	18	26	15	12	8
Laboratories Instructional (Open Laboratories)	-	2	4	3	0	4	3	4	4
Laboratories Research	-	3	3	3	4	0	1	1	0
Offices	15	23	33	49	40	52	44	43	26
Study Space	-	8	4	24	25	7	3	4	14
Athletics	-	8	24	34	22	31	33	15	7
Special Use	-	2	4	4	2	4	1	2	1
General Use									
Assembly	12	-	13	15	6	9	6	5	23
Exhibition	-	-	13	2	3	2	1	6	1
Food Facilities	-	-	11	13	7	8	9	12	7
Day Care	-	-	2	2	1	1	0	0	0
Lounge	-	-	11	16	8	15	4	4	7
Merchandising Facilities	-	-	2	2	2	2	1	0	3
Recreation	-	-	4	4	3	4	5	16	15
Library	-	-	15	19	11	14	-	-	-

Legend:

FTE - Full Time Equivalent

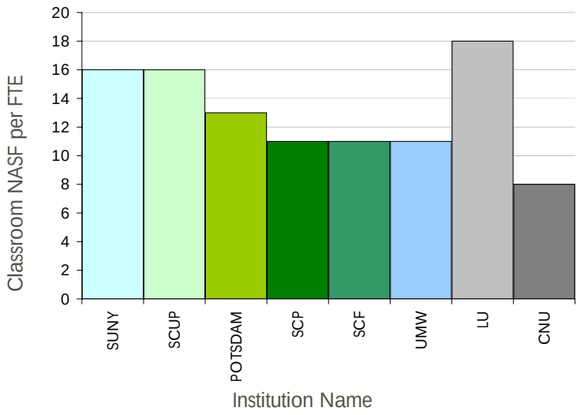
NASF - Net Assignable Square Foot

CLASSROOMS

Analsysis Rooms included in this category are spaces generally used for scheduled instruction that require no special equipment or configuration. SUNY College at Potsdam is currently inefficiently utilizing the larger classrooms on campus. The average net assignable square foot per student FTE for classrooms is lower than both SUNY and SCUP standards, but is average among its peers. The charts below are showing that larger lecture halls compare well with SUCF standards, Dunn and Flagg Halls have some oversized rooms, and Maxcy Hall is an anomoly to the collective group of classrooms.

Recommendations It is recommended that the current total net assignable area of classroom space remain as existing, but the inventory be modified to the needs of the campus. Both technological upgrades and efficient scheduling by the registrar of existing classrooms will improve utilization. (See page 140 and 150 of this Phase III Report for classroom right-sizing, recommended technology upgrades and recommended inventory).

The bar chart below compares the net assignable area per FTE for classroom spaces for each of the identified peer institutions. The charts following are comparing the existing NASF per FTE of classroom spaces at SUNY Potsdam with the SUNY space NASF per FTE space standard. The charts break classrooms into six types and compares those types individually.



Classrooms						
Building	Number of Stations	Existing NASF	Existing NASF/ Station	SUNY Standard NASF/ Station	SUNY Standard Total NASF	Difference
Carson Hall	222	3,545	16	16	3552	-7
Dunn Hall	24	506	21	16	384	122
Flagg Hall	346	6,663	19	16	5536	1,127
Maxcy Hall	28	636	23	16	448	188
Satterlee Hall	210	3,475	17	16	3360	115
Stowell Hall	30	624	21	16	480	144

"A.V." or Technology Classrooms						
Building	Number of Stations	Existing NASF	Existing NASF/ Station	SUNY Standard NASF/ Station	SUNY Standard Total NASF	Difference
Brainerd Hall	74	1,645	22	18	1332	313
Carson Hall	42	679	16	18	756	-77
Dunn Hall	114	2,266	20	18	2052	214
Flagg Hall	196	4,820	25	18	3528	1,292
Maxcy Hall	50	1,400	28	18	900	500
Satterlee Hall	162	4,441	27	18	2916	1,525
Morey Hall	18	392	22	18	324	68
MacVicar Hall	30	585	20	18	540	45
Schuette Hall	50	2,126	43	18	900	1,226
Timerman Hall	64	1,540	24	18	1152	388

Seminar						
Building	Number of Stations	Existing NASF	Existing NASF/ Station	SUNY Standard NASF/ Station	SUNY Standard Total NASF	Difference
Flagg Hall	30	942	31	20	600	342

Lecture Halls - Capcity of 60						
Building	Number of Stations	Existing NASF	Existing NASF/ Station	SUNY Standared NASF/ Station	SUNY Standard Total NASF	Difference
Kellas Hall	108	1,856	17	14	1512	344

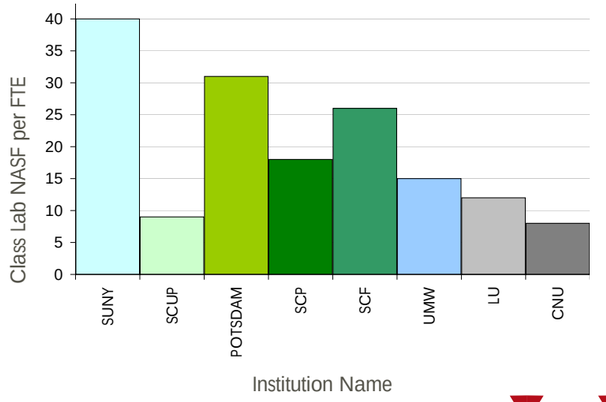
Lecture Halls - Capacity of 120						
Building	Number of Stations	Existing NASF	Existing NASF/ Station	SUNY Standared NASF/ Station	SUNY Standard Total NASF	Difference
Kellas Hall	208	3,600	17	14	2912	688
Stowell Hall	130	1900	15	14	1820	80

Lecture Halls - Capacity of 240						
Building	Number of Stations	Existing NASF	Existing NASF/ Station	SUNY Standared NASF/ Station	SUNY Standard Total NASF	Difference
Kellas Hall	490	7,216	15	14	6860	356

CLASS LABS

Analysis Rooms included in this category are spaces that are regularly scheduled for computer, science, teaching, dance, and fine arts labs. SUNY College at Potsdam is above its peers, as well as SCUP and SUNY standards in class lab net assignable area per student FTE. There is a large inventory of specialized lab space required for science, music, and fine and performing art programs. The SCUP space standards for class labs are arguably too low to be used as a benchmarking comparison.

Recommendations It is recommended that the current class lab space not be modified as it is meeting the specific needs of the institution. Similar to classrooms, efficient scheduling of class labs by the registrar will improve utilization.



Visual (Art)					
Room Type	Building	Number of Stations	NASF	NASF/ Station Actual	NASF/ Station SUNY
Painting Studio	Brainerd Hall	44	2,060	47	40
Sculpture Studio	Brainerd Hall	20	1,196	60	50
Ceramics Studio	Brainerd Hall	19	1,196	63	60
Photo Studio	Brainerd Hall	20	1,078	54	54

Performing Arts					
Room Type	Building	Number of Stations	NASF	NASF/ Station Actual	NASF/ Station SUNY
Rehearsal Rooms	Bishop, Schuette	52	1,750	34	20
Individual Pract. Rooms	Crane, Schuette	52	4,718	91	80

Physical (Physics, Chemistry, Geology)					
Room Type	Building	Number of Stations	NASF	NASF/ Station Actual	NASF/ Station SUNY
Lab (Capacity of 24)	Stowell, Timmerman	408	20,476	50	50
Prep and Storage	Stowell, Timerman	408	9,209	23	10

OFFICES

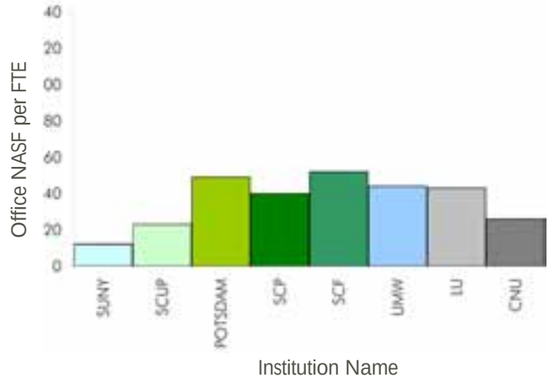
Analysis Rooms included in this category are spaces housing faculty, staff, or students working at one or more desks, tables, or workstations. Included are spaces for individual/ multi person workstations, reception areas, conference rooms and copy / fax / mail areas.

Office space on SUNY Potsdam's campus is comparable to its peers and greater than SCUP standards, which may be too low to be considered as benchmarking standards. Individual offices on campus vary in square foot area. Many offices are below SUNY space standards, while others are significantly over SUNY standards. These conditions are a result of repurposed space. For example, Morey and MacVicar Halls were constructed as residential facilities, however, today they accommodate a large inventory of faculty offices. Therefore, the NASF of the offices are greater than typically recommended.

The chart to the right compares each department's existing NASF with recommended SUNY space standards (120 nasf per faculty member). The rows highlighted in green identify the departments currently with inadequate space and departments that will need additional area by 2013 to accommodate faculty growth.

Recommendations Burt Hill is recommending all departments anticipating faculty growth receive new office space. The addition of new office space will increase the overall square foot per faculty FTE per department, if the existing office spaces are left alone. If a building is recommended to have a major renovation take place, then there would be an opportunity to right-size the existing office spaces. The ability to right-size existing spaces would most likely reduce the overall square foot per Faculty FTE, even with the addition of new offices.

There are three departments listed in the chart to the right that are currently below the recommended SUNY Space Standards for offices. Those departments are Curriculum & Instruction B-G6, Art, and Theatre and Dance. Community Health will need more office space to accommodate its projected faculty growth for 2013, according to SUNY Space Standards.



FACULTY PROJECTSION AND OFFICE SPACE NEEDS

Department	2008					2013				2018-2023				Location	Analysis of Quantity and Size
	Faculty FTE	NASF/ Faculty FTE	SUNY Total	Existing NASF	Difference	Faculty FTE	SUNY Total	Actual	Difference	Faculty FTE	SUNY Total	Actual	Difference		
School of Education Misc. Programs*	5.25	214	630	1,125	495	5.25	630	1,125	495	5.3	630	1,125	495	Satterlee	No need for more space by 2023
Special Education	4	201	480	804	324	4	480	804	324	4.0	480	804	324	Satterlee	No need for more space by 2023
Curriculum & Instruction B-G6	14.07	76	1,688	1,071	-617	14.07	1688.4	1,071	-617	14.1	1,688	1,071	-617	Satterlee	Low - Need more space
Literacy	6.25	128	750	799	49	6.25	750	799	49	6.3	750	799	49	Satterlee	No need for more space by 2023
Secondary Education	9.12	204	1,094	1,862	768	9.12	1094.4	1,862	768	9.1	1,094	1,862	768	Satterlee	No need for more space by 2023
Information & Comm Technology	5.25	236	630	1,240	610	5.25	630	1,240	610	5.3	630	1,240	610	Dunn	No need for more space by 2023
Physical Education	11.52	206	1,382	2,371	989	12.3	1476	2,371	895	13.2	1,584	2,371	787	Maxcy	No need for more space by 2023
Community Health	6.99	152	839	1,059	220	9	1080	1,059	-21	11.0	1,320	1,059	-261	Dunn	Currently adequate but need more space by 2013
Business Administration	7.75	149	930	1,152	222	8.8	1056	1,152	96	9.0	1,080	1,152	72	Dunn	No need for more space by 2023
Arts & Sciences Misc. Programs**	3.5	339	420	1,186	766	3.5	420	1,186	766	3.5	420	1,186	766	Morey and MacVicar	No need for more space by 2023
Anthropology	9	151	1,080	1,359	279	9	1080	1,359	279	10.0	1,200	1,359	159	MacVicar	No need for more space by 2023
Art	12.58	105	1,510	1,320	-190	14.6	1752	1,320	-432	15.6	1,872	1,320	-552	Brainerd and Merritt	Low - Need more space
Biology	9.66	222	1,159	2,140	981	10.7	1284	2,140	856	11.7	1,404	2,140	736	Stowell and Timerman	No need for more space by 2023
Chemistry	6.75	239	810	1,611	801	6.8	816	1,611	795	7.8	936	1,611	675	Stowell	No need for more space by 2023
Computer Science	4.42	405	530	1,791	1,261	4.4	528	1,791	1,263	5.4	648	1,791	1,143	Dunn and MacVicar	No need for more space by 2023
Theatre and Dance	8.4	113	1,008	952	-56	10.4	1248	952	-296	13.4	1,608	952	-656	Dunn and Satterlee	Low - Need more space
Economics & Employment Relations	5.5	302	660	1,659	999	5.5	660	1,659	999	5.5	660	1,659	999	Dunn	No need for more space by 2023
English & Communication	29.15	147	3,498	4,275	777	29.2	3504	4,275	771	30.2	3,624	4,275	651	Morey	No need for more space by 2023
Modern Languages	11.82	191	1,418	2,262	844	11.8	1416	2,262	846	11.8	1,416	2,262	846	Morey and Carson	No need for more space by 2023
Geology	5.33	188	640	1,001	361	5.3	636	1,001	365	5.3	636	1,001	365	Timerman	No need for more space by 2023
History	12.17	185	1,460	2,246	786	12.2	1464	2,246	782	12.2	1,464	2,246	782	Satterlee and Timerman	No need for more space by 2023
Mathematics	11	266	1,320	2,929	1,609	11	1320	2,929	1,609	11.0	1,320	2,929	1,609	MacVicar	No need for more space by 2023
Philosophy	4.5	257	540	1,157	617	4.5	540	1,157	617	4.5	540	1,157	617	Morey	No need for more space by 2023
Physics	4.67	184	560	860	300	4.7	564	860	296	4.7	564	860	296	Timerman	No need for more space by 2023
Politics	6.3	230	756	1,448	692	6.3	756	1,448	692	6.0	720	1,448	728	Satterlee	No need for more space by 2023
Psychology	11.25	259	1,350	2,917	1,567	11.3	1356	2,917	1,561	11.3	1,356	2,917	1,561	Flagg and Morey	No need for more space by 2023
Sociology	8	169	960	1,349	389	8	960	1,349	389	8.0	960	1,349	389	Satterlee	No need for more space by 2023
Crane School of Music	72.39	183	8,687	13,242	4,555	78	9360	13,242	3,882	86.0	10,320	13,242	2,922	Bishop, Crane, Schuette	No need for more space by 2023
Total	306.59	5,699	36,791	57,187											

* Misc Programs includes Women's and Gender Studies ** Misc Programs includes Graduate Studies and Wilderness Education

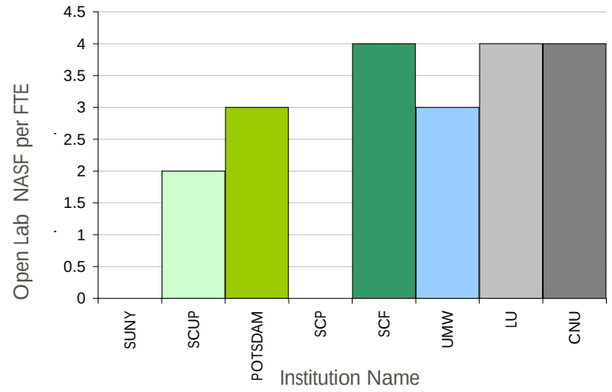
*** Space deficiencies will be addressed/ corrected upon the completion of the New Performing Arts Building

OPEN LAB

Analsysis Rooms included in this category are spaces that directly serves one or more open laboratories as an extension of the activities in those spaces. The NASF per student FTE of open lab space on SUNY Potsdam's campus is similar to its peers and SCUP standards.

Recommendations It is recommended that open lab space not be modified. The existing spaces on campus are efficient and meeting space standards.

* There is no SUNY NASF per FTE space standard for Open Labs.

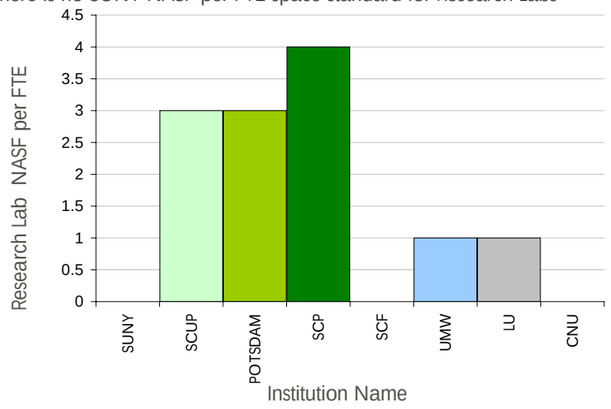


RESEARCH LAB

Analsysis Rooms included in this category are spaces used for laboratory experimentation, research, or training in research methods; professional research and observation; or structured creative activity within a specific program or for sponsored research (whether sponsored with federal, state, private, or institutional funds). The square foot per student FTE of open lab space on SUNY Potsdam's campus is similar to its peers and SCUP standards.

Recommendations It is recommended that open lab space not be modified. The existing spaces on campus are efficient and meeting space standards.

* There is no SUNY NASF per FTE space standard for Research Labs

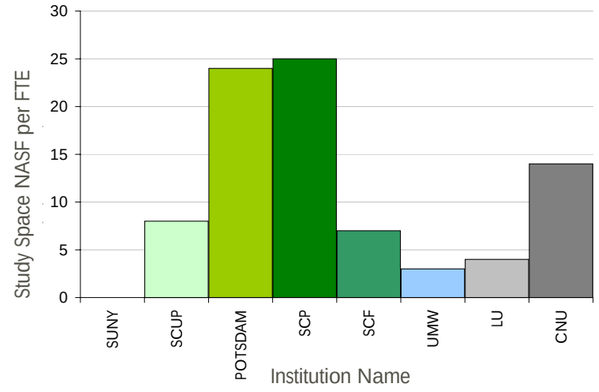


STUDY SPACE

Analsysis Rooms included in this category are spaces or areas used by individuals to study at their convenience, the space not being relegated to a particular subject or discipline by contained equipment. The assignable square foot per student is higher than most of its listed peers and SCUP because of SUNY Potsdam's Performing Arts and Music programs.

Recommendations It is recommended that the study space on campus remain at the existing total NASF. The existing space on campus meets space standards.

* There is no SUNY NASF per FTE space standard for Study Spaces.

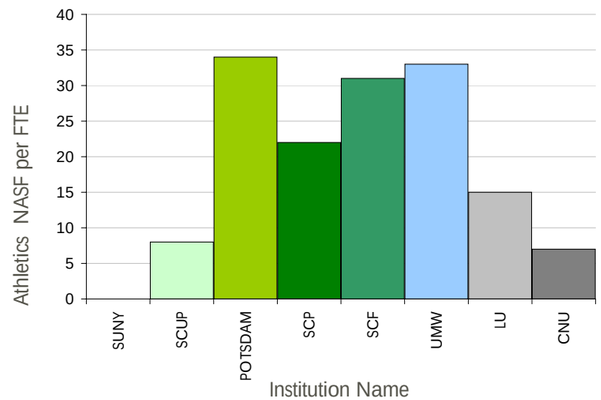


ATHLETICS

Analysis Rooms included in this category are spaces or areas used by students, staff, or the public for athletic or physical education activities. SUNY Potsdam's athletic facilities exceed SCUP space standards and are slightly above its peers.

Recommendations SUNY Potsdam's athletic facilities need renovation but do not require significant expansion or additional facilities according to space standards.

* There is no SUNY NASF per FTE space standard for Athletic spaces.
** The NASF represented below does not include any spaces in Merritt Hall. The area only includes spaces in Maxcy Hall. Merritt Hall athletic spaces are included under Recreation.

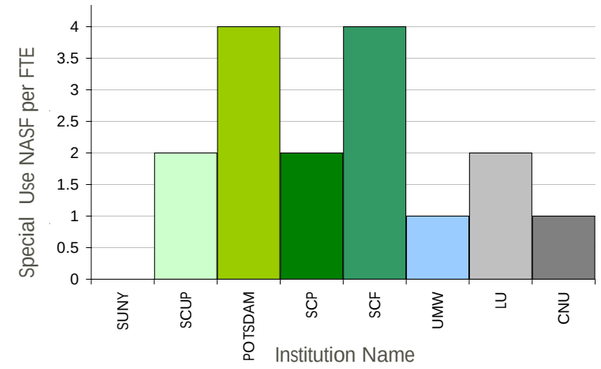


SPECIAL USE

Analysis This category includes several space use categories that are sufficiently specialized in their primary activity or function to merit a unique space code. Areas and rooms for athletic activity, media production, clinical activities, demonstration, and animal/ plant shelters are included here. Area dedicated to special use spaces on SUNY Potsdam's campus is reasonably comparable to its peers and SCUP standards.

Recommendations It is recommended that special use space on campus remain at the current total area. The existing space on campus is reasonably meeting space standards.

* There is no SUNY NASF per FTE space standard for Special Use spaces.

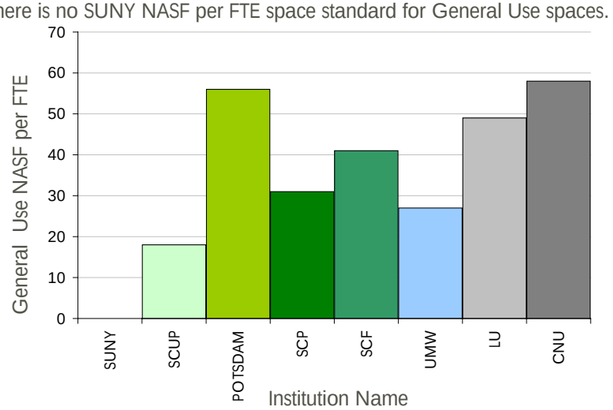


GENERAL USE

Analysis General use facilities comprise a campus general service or functional support system (e.g., assembly, exhibition, dining, relaxation, merchandising, recreation, general meetings, daycare) for the institutional and participant community populations. General use net assignable area on SUNY Potsdam's campus is significantly higher than SCUP standards and above most of its peers. The three categories classified under general use space leading to this high area per student FTE are assembly, food facilities, and lounge spaces.

Recommendations Recommendations for general use spaces are addressed in the following individual corresponding classification category sections.

* There is no SUNY NASF per FTE space standard for General Use spaces.



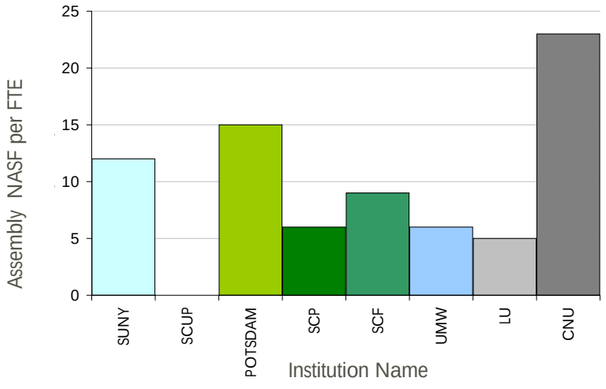
ASSEMBLY

Analysis Rooms included in this category are spaces designed and equipped for the assembly of many persons for events such as dramatic, musical, devotional, livestock judging, or commencement activities. SUNY Potsdam has a significantly large inventory of assembly space on campus compared to its peers due to its Music and Performing Arts Programs. SCUP standards do not specify area per student for assembly spaces.

Existing Assembly Spaces
Snell Theater (452 seats)
Wakefield Theater (130 seats)
Hosmer Concert Hall (1,400 seats)
College Theater - Satterlee Hall (200 seats)
Dunn Hall Theater (200 seats)

Recommendations It is recommended that the total assembly space on SUNY Potsdam's campus be reduced with the repurposing of the College Theater in Satterlee Hall. The addition of the new Performing Arts Building will allow this repurposing to take place. Phase IV of the Facilities Master Plan will address this issue in more detail. The remaining existing assembly spaces should continue to function as such. Similar to class labs, the College's Performing Arts Programs require a large inventory of assembly type spaces.

* There is no SCUP NASF per FTE space standard for Assembly spaces.

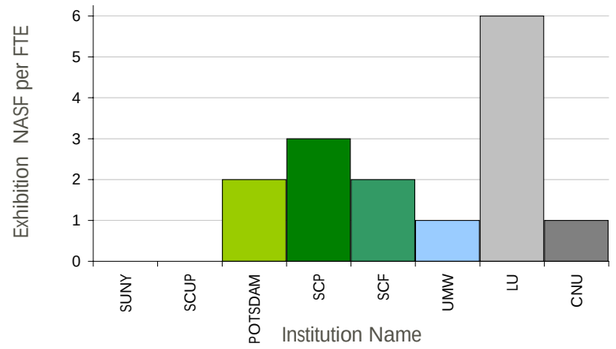


EXHIBITION

Exhibition Rooms included in this category are spaces or areas used for exhibition of materials, works of art, artifacts, etc., and intended for general use by faculty, students, staff, and the public. Area dedicated to exhibition space on SUNY Potsdam's campus is comparable to its peers. SCUP Space Standards do not specify area per student for exhibition spaces.

Recommendations It is recommended that the exhibition space on campus not be modified as existing space meets space standards. Refer to Phases IV and V of this report for recommendations on consolidation.

* There are no SUNY or SCUP NASF per FTE space standards for Exhibition spaces.

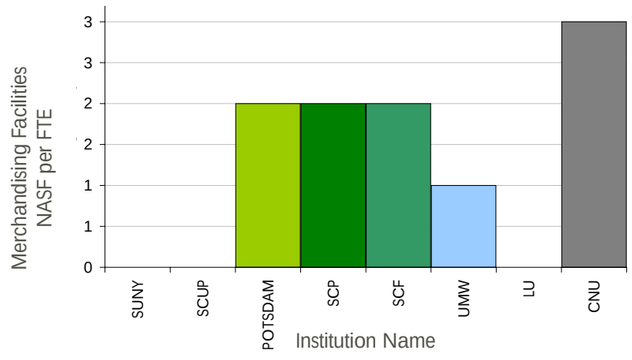


MERCHANDISING FACILITIES

Analysis Rooms in this category include spaces used to sell products or services. Merchandising facility space on SUNY Potdam's campus is comparable to its peers. SCUP Space Standards do not specify area per student for merchandising spaces.

Recommendations It is recommended that the merchandising space on campus not be modified as existing space meets space standards.

* There are no SUNY or SCUP NASF per FTE space standards for Merch. spaces.

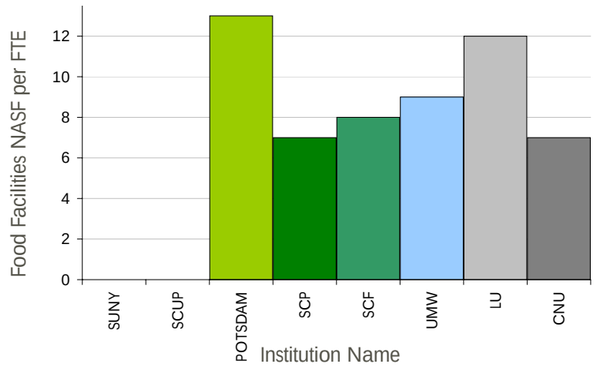


FOOD FACILITIES

Analysis Rooms included in this category are spaces used for eating. There are currently five food venues on campus available to students and faculty, including the Barrington Student Union Dining Hall, Lehman Dining Hall, Becky's Place, The Minerva Cafe in the Crumb Library, and The Commons in the Crane Music Complex. Due to the high inventory of food venues and the kitchen in the basement level of Bowman Hall (used for baked goods, salad making and deli prep) the ratio between kitchen and dining space on campus is currently 3:1. In addition to a high inventory of space, the campus is experiencing contrasting usage of its two main student dining halls. At peak times during the lunch and dinner rush the Barrington Dining Hall is at maximum capacity, while Lehman Dining Hall is at half capacity.

Recommendations Due to the unfavorable 3:1 of ratio kitchen / survery to dining space, it is recommended that the kitchen currently located in the lower level of Bowman Hall be closed and the existing operation be relocated and consolidated in the Barrington Student Union and Thatcher renovation / construction project's program.

* There are no SUNY or SCUP NASF per FTE space standards for Food Facilities.

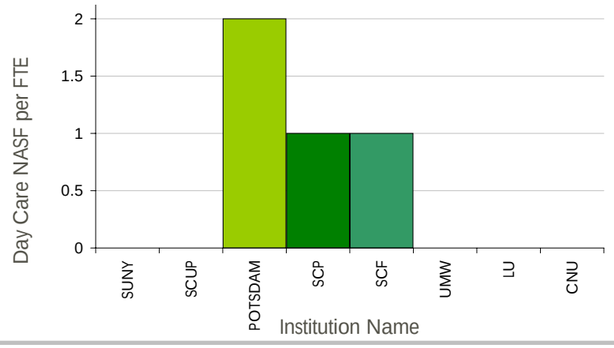


DAY CARE

Analysis Rooms in this category include spaces used to provide day or night, child or elderly adult care as a nonmedical service to members of the institutional community. Daycare facility space on SUNY Potdam's campus is comparable to its peers. SCUP Space Standards do not specify area per student for day care spaces.

Recommendations It is recommended that the daycare space on campus not be modified. The current existing space is meeting space standards, however the proper location of the facility will be addressed in Phase IV of this Facilities Master Plan.

* There are no SUNY or SCUP NASF per FTE space standards for Daycare spaces.

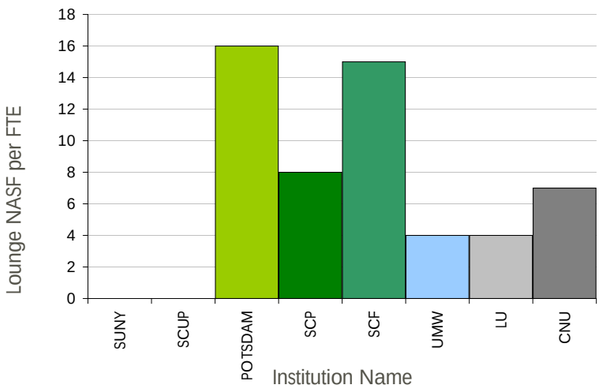


LOUNGE

Analysis Rooms in this category include spaces used for rest and relaxation that are not restricted to a specific group of people, unit, or area. Lounge space on SUNY Potsdam's campus is above most of its peers. The majority of lounge space included in this inventory is currently located in the student residence facilities on campus. SCUP Space Standards do not specify area per student for lounge spaces.

Recommendations It is recommended that the lounge space on campus not be modified. The Facilities Master Plan scope does not include suggestions or modifications to residential facilities on campus.

* There are no SUNY or SCUP NASF per FTE space standards for Lounge spaces.

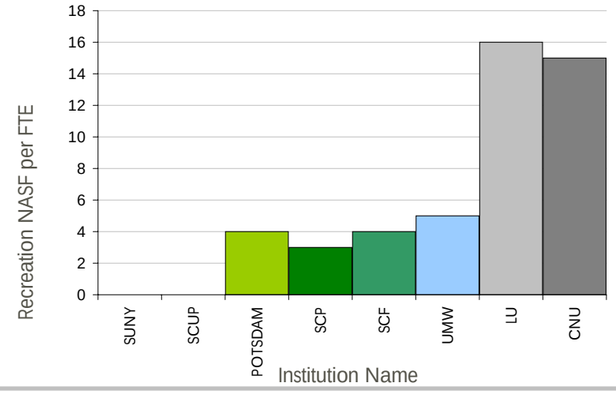


RECREATION

Analysis Rooms in this category include spaces used by students, staff, or the public for recreational purposes. Recreation space on SUNY Potdam's campus is comparable to its peers. SCUP Space Standards do not specify area per student for recreation spaces.

Recommendations It is recommended that the recreational space on campus not be modified as existing space meets space standards.

* There are no SCUP or SUNY NASF per FTE space standards for Recreation spaces.

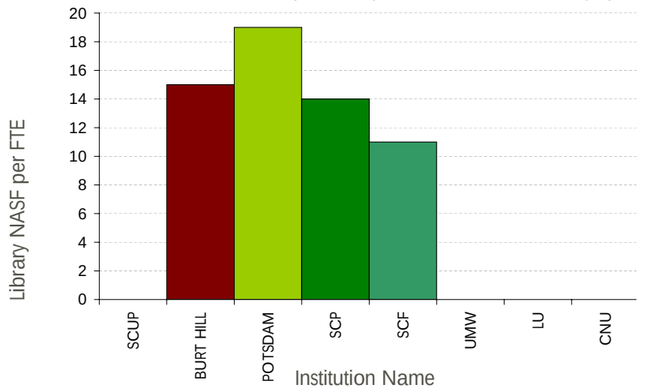


LIBRARY

Analsysis Rooms included in this category are spaces used for Library Services , both reading and collections. There are currently two library facilities on campus; including Crumb Memorial Library and the Crane Library on the second floor of Schuette Hall. The existing NASF per FTE of library space is comparable to Burt Hill recommended space standards for libraries. Compared to peer insitutions the NASF per FTE is slightly high.

Recommendations It is recommended that the Crane Library total NASF remain as it exists and the Crumb Library total NASF grow in order to accommodate new and relocated programs, associated or relating to library services.

* There are no SCUP or SUNY NASF per FTE space standards for Library spaces.



CRANE SCHOOL OF MUSIC

Analysis Five buildings on campus are specifically dedicated to the Crane School of Music. Those buildings are the Crane Music Center and Bishop, Schuette, Hosmer, and Snell Halls. These facilities have been analyzed separately from other academic facilities on campus as they relate solely to the School of Music and will be collectively referred to as the Crane Complex within this analysis. SUNY Potsdam has identified peer institutions specifically for the Crane School of Music. These colleges are Appalachian Sate University and Youngstown State University.

The results of the benchmarking analysis of peer institutions to SUNY Potsdam's Crane School of Music are inconclusive. As mentioned earlier in this section's summary, methods of reporting physical space may vary among institutions and state agencies resulting in inaccurate comparable data.

Recommendations Irrelevant to the benchmarking analysis, it is recommended that the individual study, student lounge, and faculty office spaces within the Crane Complex be addressed to meet the needs of the students and faculty, as well as be right-sized in order to meet space standards. These issues will be addressed further in Phase IV of the Facilities Master Plan.

Crane Peer Institutions Comparison Chart

Space Use Category	SUNY Space Standards	SUNY College at Potsdam Crane School of Music	Identified by SUNY Potsdam: Appalachian State University Hayes School of Music	Identified by SUNY Potsdam: Youngstown State University Dana School of Music
	NASF/ FTE	NASF/ FTE	NASF/	NASF/Student
FTE Enrollment 2008-09		654	490	270
Classrooms	4	4	6	12
Laboratories Instructional (Class Laboratories)	48	48	27	229
Laboratories Instructional (Open Laboratories)	10	10	9	3
Laboratories Research	0	0	0	15
Offices	30	30	7	60
Study Space	1	1	5	0
Athletics	0	0	0	0
Special Use	0	0	0	0
General Use	72	72	2	82
Assembly	68	68	0	70
Exhibition	1	1	0	6
Food Facilities	0	0	0	0
Day Care	0	0	0	0
Lounge	2	2	0	5
Merchandising Facilities	0	0	0	0
Recreation	0	0	0	0
Meeting Room	0	0	1	0

Legend
SCUP - Society for College and University Planning
FTE - Full Time Equivalent
NASF - Net Assignable Square Feet

ANALYSIS OF SPACE USE EXISTING

SUMMARY AND ANALYSIS

SUNY Potsdam is comprised of 51 buildings with 2,221,374 gross square feet and 1,002,061 net assignable square feet (NASF). Two-thirds of the buildings are instructional and support, while one third is residential.

The majority of instructional and support assignable square feet (325,987 NASF Total) are dedicated to departmental use; including teaching labs and faculty offices. The second largest space type category is academic support (620,954 NASF Total).

The Crane School of Music (59,093 NASF) has the largest departmental program area. Theater and Dance (21,958 NASF), Art (21,942 NASF), Chemistry (20,584 NASF), and Physics (15,351 NASF) also contain large quantities of departmental space use.

The following series of floor plans illustrate space use and indicate how SUNY Potsdam is utilizing its existing space per building relative to department and function. The department classifications for each room in the Campus' Physical Space Inventory (PSI) was verified by Burt Hill during a series of on-site walkthroughs. Any discepancies in the document were corrected. The department classifications within the PSI are directly linked to the color coded plans on the proceeding pages. The use functions are classified according to the PSI, as well as space category standards outlined by The Society of College and University Planners (SCUP). The PSI was used as a baseline and additional classifications were used as necessary.

The following pages are dedicated to existing space use, please refer to page 142 of this Phase III Report for future space recommendations.

CAMPUS-WIDE SUMMARY OF EXISTING SPACE

Line	Space Type	Existing Space Modified by Consultant Fall 2008
1.0	Instructional Classrooms/Lecture Halls	
1.1	Classrooms	35,305
1.2	Lecture Halls	15,362
	Sub-Total Registrar Controlled Space	50,667
	Classroom/Lecture NASF per FTE	12
2.0	Departmental Use	
2.1	Teaching Labs	101,335
2.2	Individual Study Labs	33,673
2.3	Departmental Research Labs	15,420
2.4	Faculty & Staff Offices	94,093
2.5	General & Special Use	30,799
	Sub-Total Instructional & Dept Research	275,320
	Dept NASF per FTE	63
3-15	Campus-Wide Academic Support	
3.0	Health & Physical Education	153,489
4.0	Data & Resources Center (IT)	15,766
5.0	Organized Activities	6,334
6.0	Organized (Sponsored) Research	0
7.0	Public Services	8,672
8.0	Assembly & Exhibition	68,937
9.0	Library	53,465
10.0	Student/ Faculty Activities	66,200
10.1	Food Service - Dining	15,021
10.2	Food Service - Kitchen / Survery	41,069
11.0	Student Health Services	4,435
12.0	General Administration	78,425
13.0	Central Services	76,741
14.0	Building Services	30,021
15.0	Inactive Space	2,379
	Sub-Total Support Space	620,954
	Support NASF per FTE	142
	Total Campus-Wide NASF	1,002,061
	Campus-Wide Average NASF per FTE	216

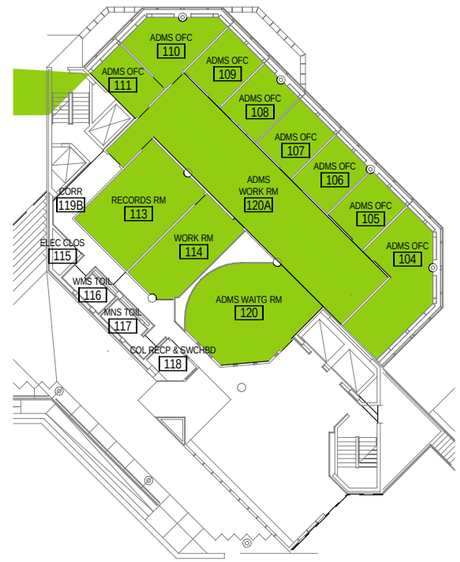
EXISTING SPACE BY DEPARTMENT

Department Name	Existing Department Use Net Assignable Square Feet
Special Education	611
Literacy	2,005
Secondary Education	2,786
Information and Communication Technology	2,678
Arts and Sciences Misc. Programs	5,459
Health and Physical Education	4,157
Community Health	1,744
Business Administration	1,087
Graduate Office	1,100
Anthropology	5,024
Art	20,025
Art Gallery	6,698
Biology	20,233
Chemistry	20,317
Computer Science	4,937
Theater and Dance	19,349
Economics & Employment Relations	3,540
English & Communications	6,469
Modern Language	4,888
Geology	19,498
History	4,878
Mathematics	4,033
Philosophy	2,198
Physics	14,814
Politics	1,787
Psychology	22,687
Sociology	3,024
Crane School of Music	59,093
Wilderness Education	2,189
Curriculum & Instruction B-G6	2,138
School of Education & Professional Studies Misc.	5,449
Field Experience & Teacher Certification	425
Total Department Use Space	275,320

RAYMOND HALL 001

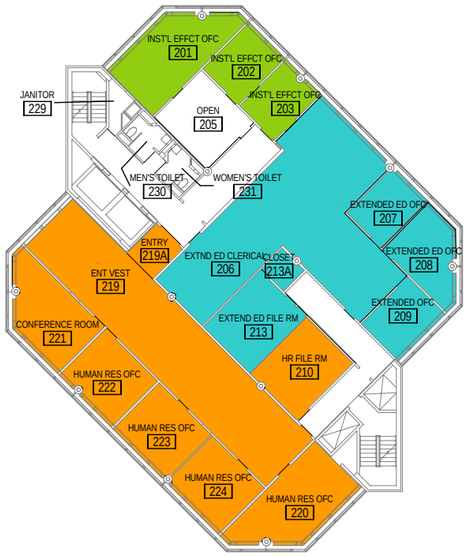
DEPARTMENT PLAN

BASEMENT

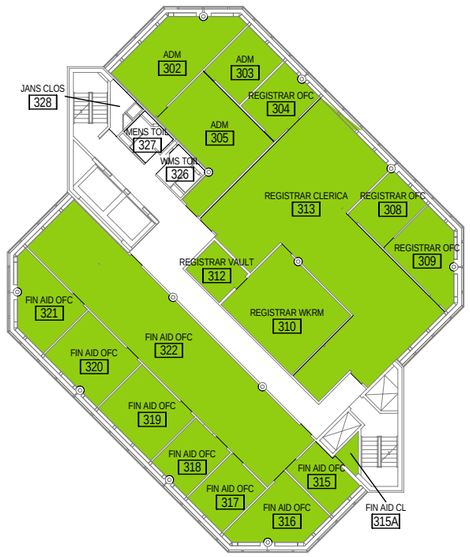


1ST FLOOR

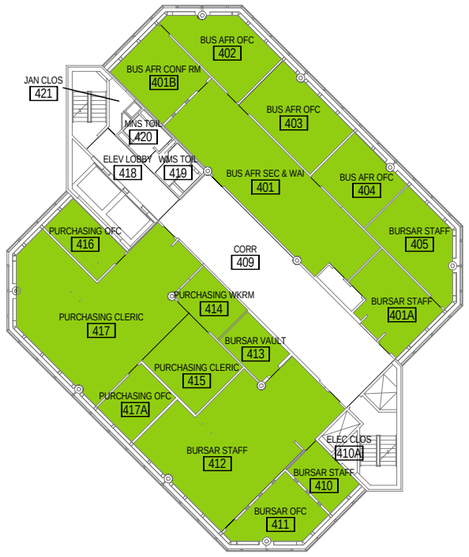
- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
- Geology
- Health and Physical Education
- History
- Information & Communication Technology
- Instruction General
- Interdisciplinary Studies
- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance



2ND FLOOR



3RD FLOOR

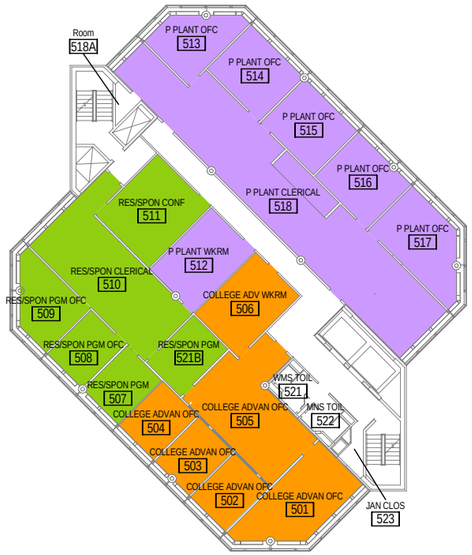


4TH FLOOR

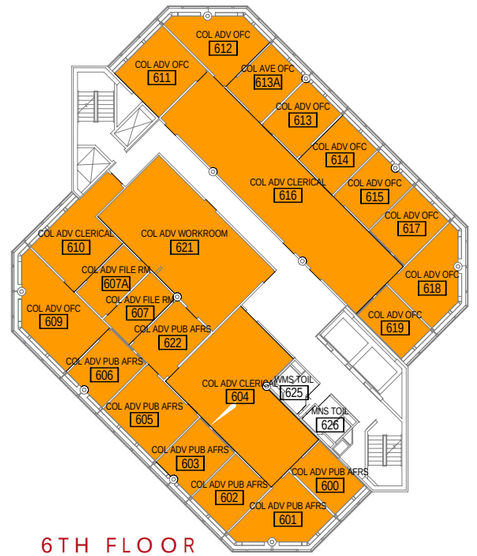
NORTH

RAYMOND HALL 001

D E P A R T M E N T P L A N



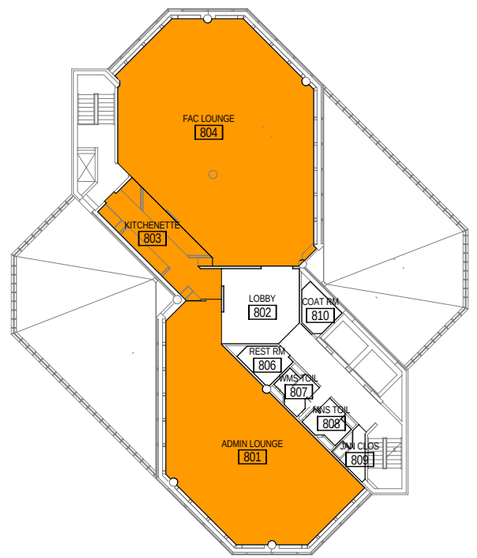
5TH FLOOR



6TH FLOOR

NORTH

7TH FLOOR



8TH FLOOR

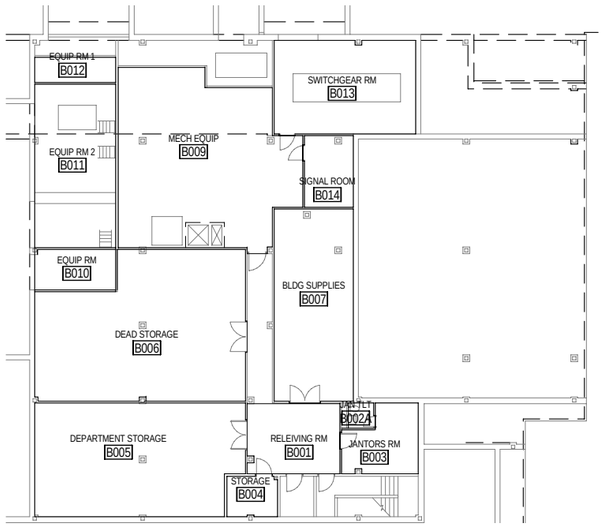
FLAGG HALL 003

DEPARTMENT PLAN

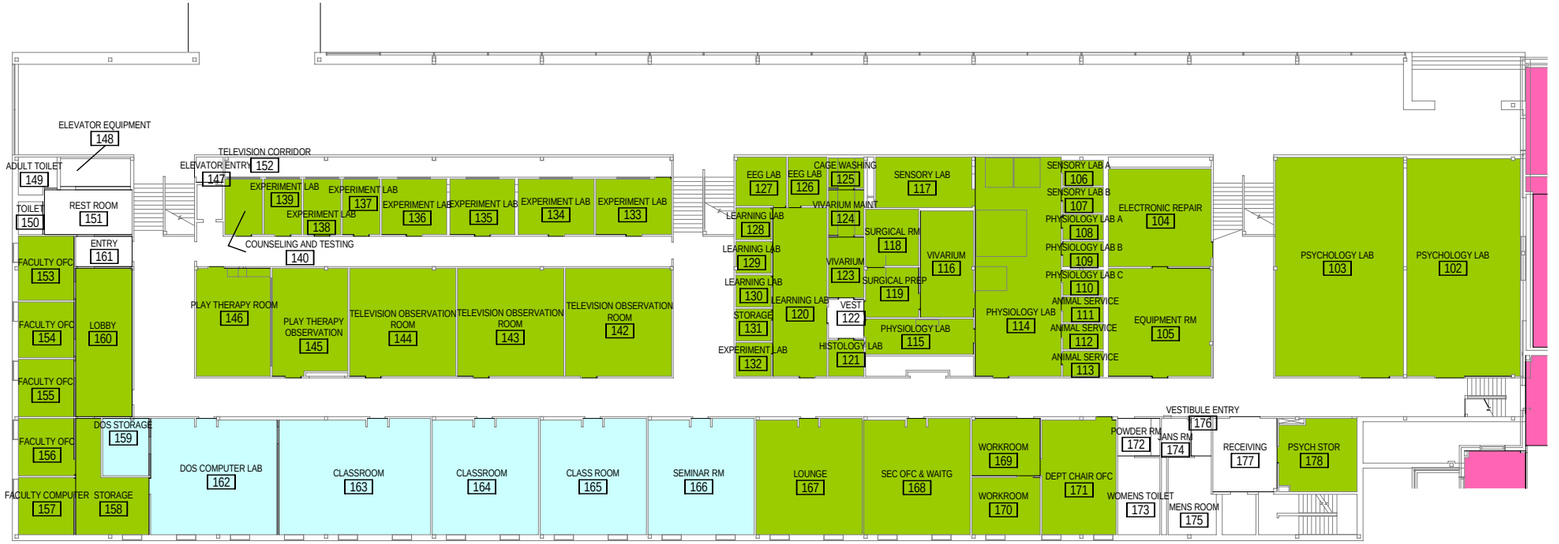
- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
- Geology
- Health and Physical Education
- History
- Information & Communication Technology
- Instruction General
- Interdisciplinary Studies
- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

2ND FLOOR

NORTH



BASEMENT



1ST FLOOR

CRUMB MEMORIAL LIBRARY 004

D E P A R T M E N T P L A N

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
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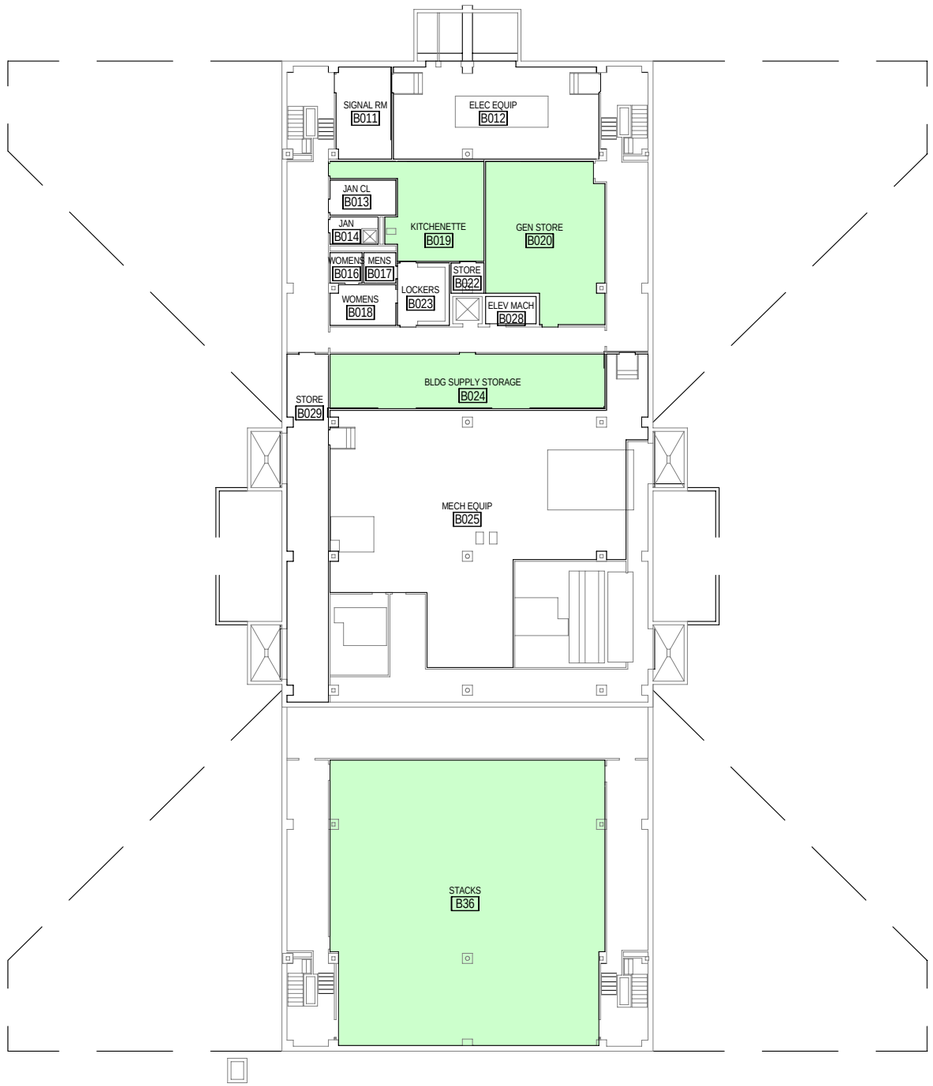
- Health and Physical Education
- History
- Information & Communication Technology
- Instruction General
- Interdisciplinary Studies
- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

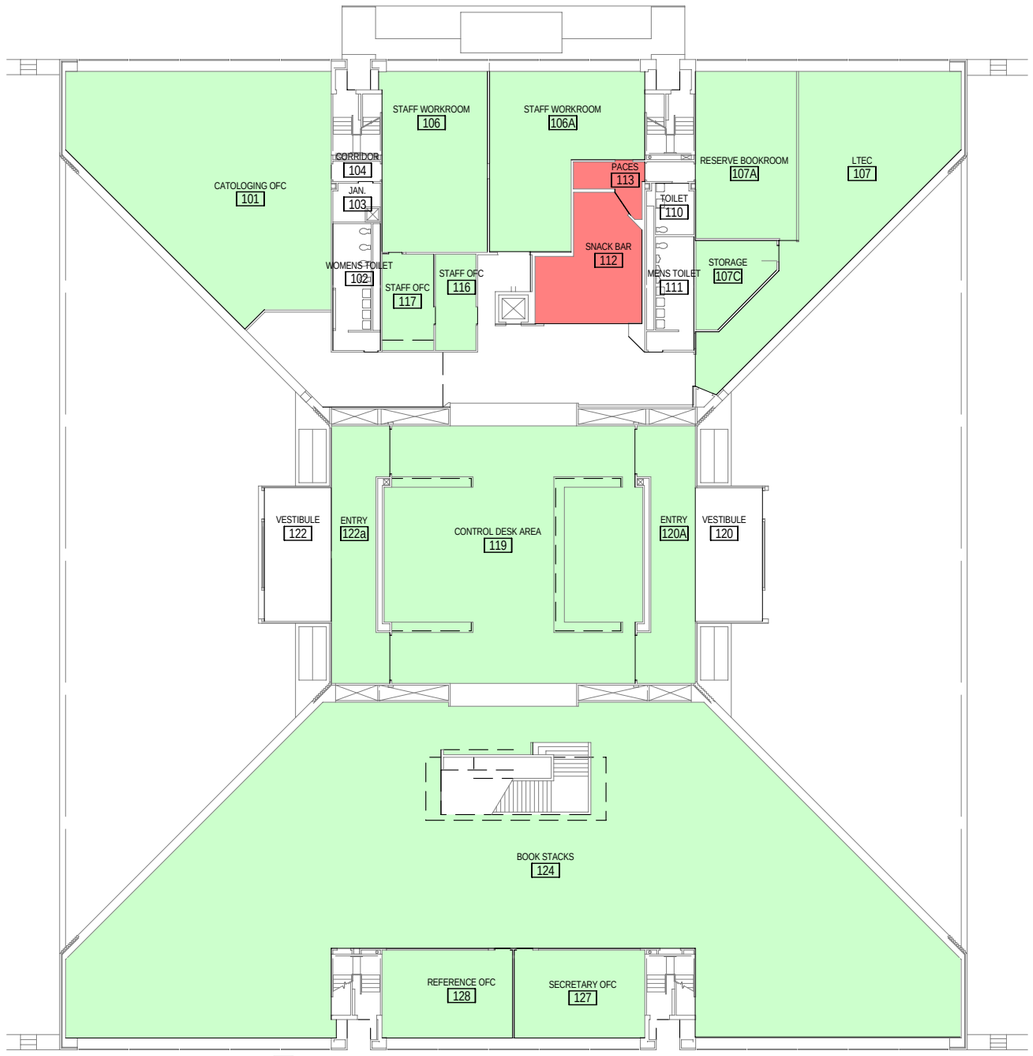


NORTH

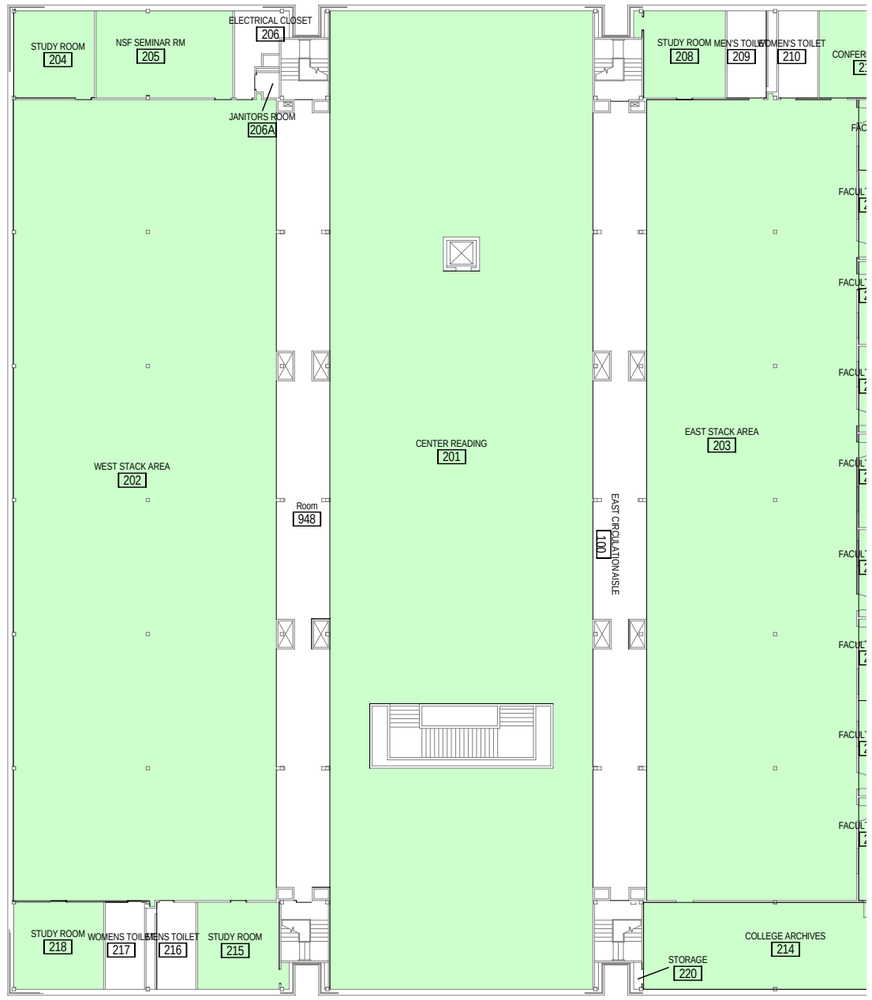
BASEMENT

CRUMB MEMORIAL LIBRARY 004

DEPARTMENT PLAN



1ST FLOOR



2ND FLOOR

MAXCY HALL 005

DEPARTMENT PLAN

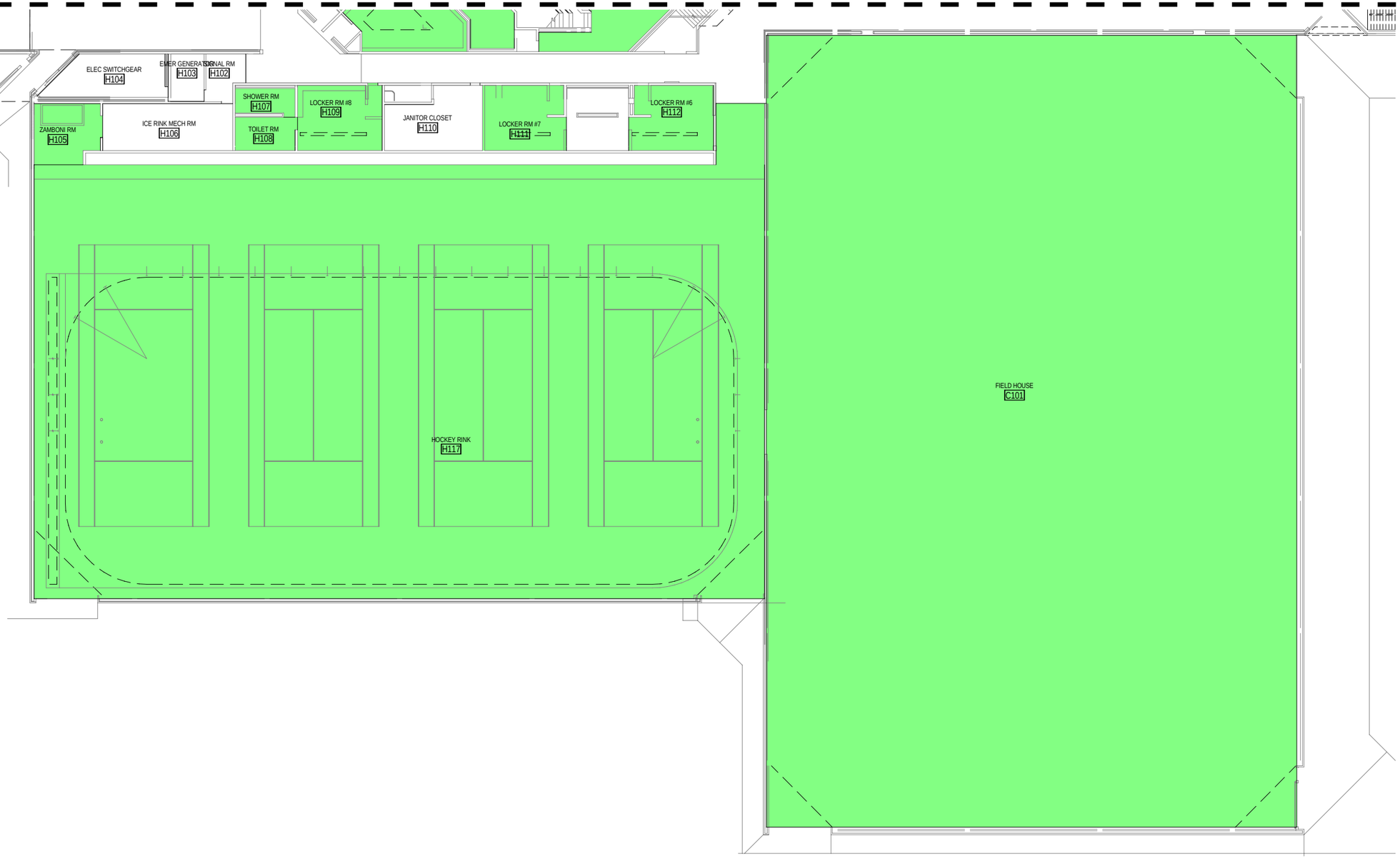
- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
- Geology
- Health and Physical Education
- History
- Information & Comm Technology
- Instruction General
- Interdisciplinary Stuc
- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and S
- School of Education Professional Studies
- Secondary Educatio
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

1ST FLOOR - PARTIAL PLAN A

MAXCY HALL 005

D E P A R T M E N T P L A N

1ST FLOOR - PARTIAL PLAN B



MAXCY HALL 005

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
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- Geology
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- Instruction General
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- Library Services
- Literacy
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- Modern Languages
- Non Assignable
- Philosophy
- Physics
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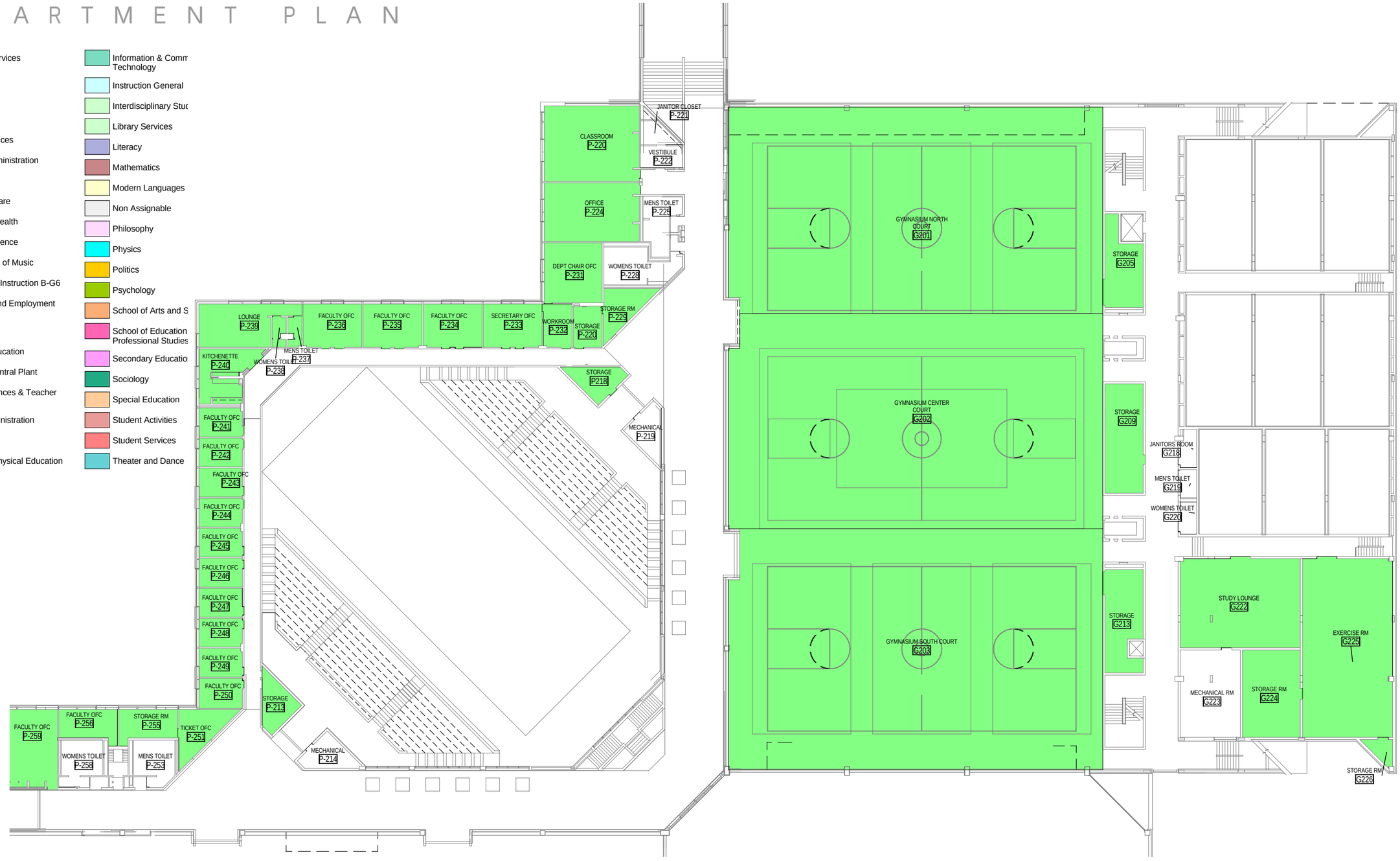
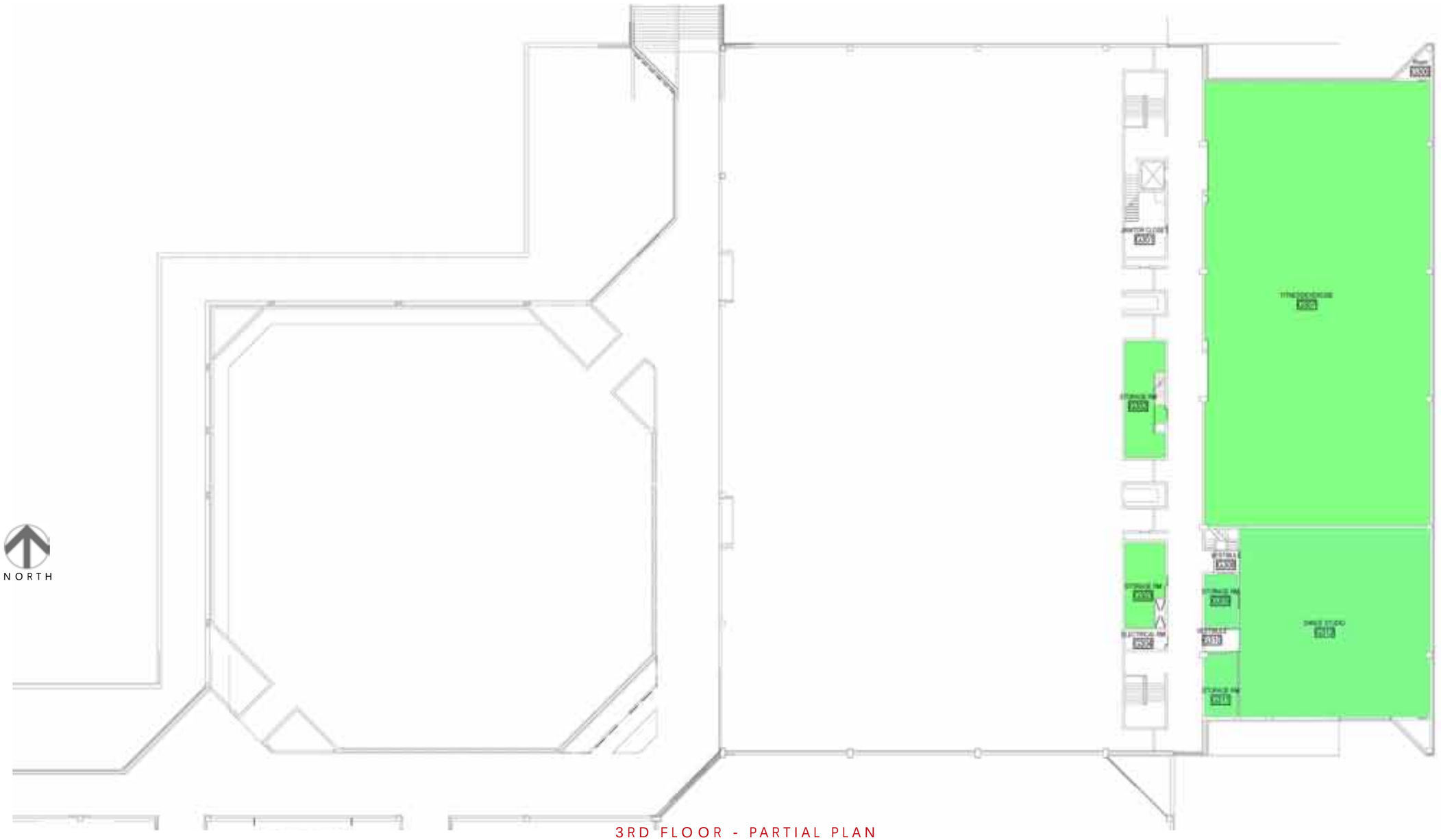
- School of Education Professional Studies
- Secondary Educatio
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance



2ND FLOOR - PARTIAL PLAN

MAXCY HALL 005

DEPARTMENT PLAN



3RD FLOOR - PARTIAL PLAN

BOWMAN DINING HALL 007

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
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- Facilities / Central Plant
- Field Experiences & Teacher Certification
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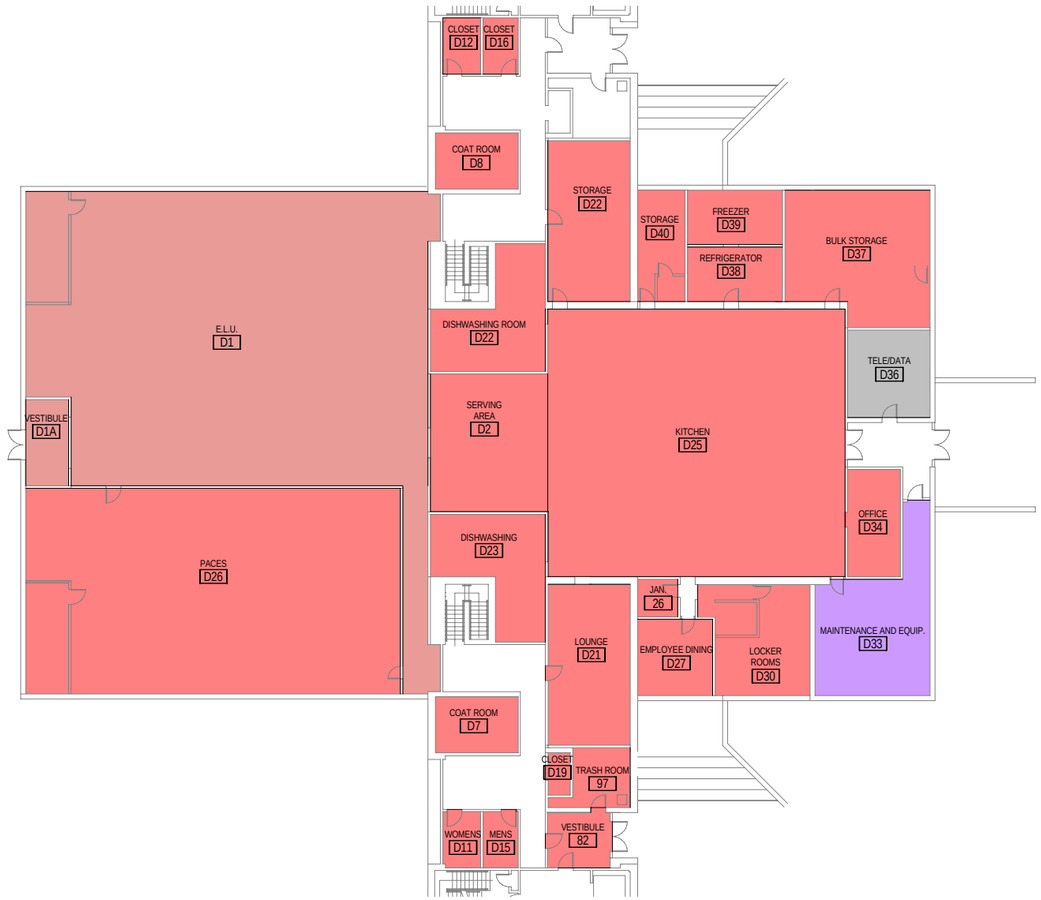
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

BOWMAN DINING HALL 007

D E P A R T M E N T P L A N



NORTH

BASEMENT LEVEL

CRANE MUSIC COMPLEX 009A -009D & 016

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
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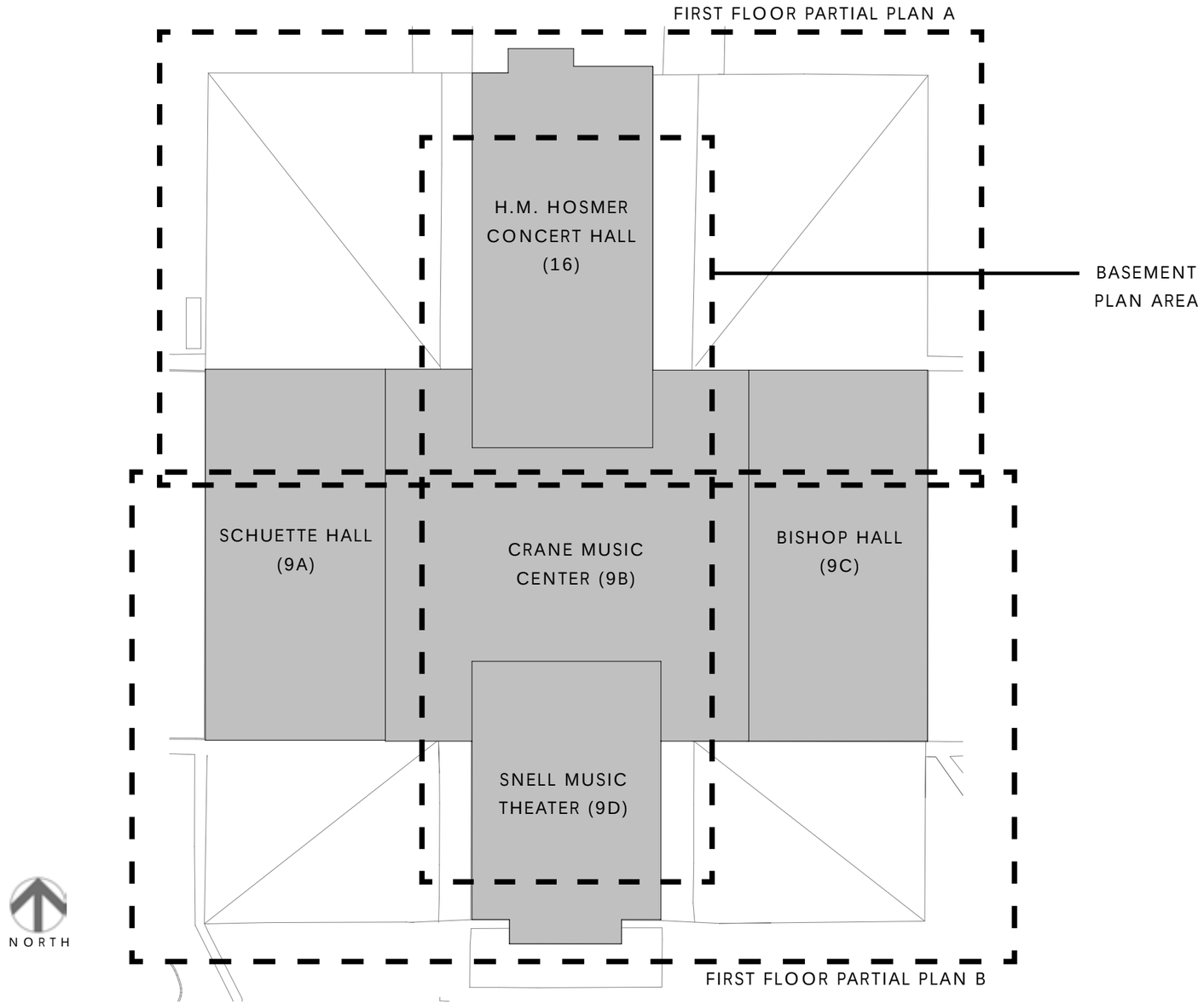
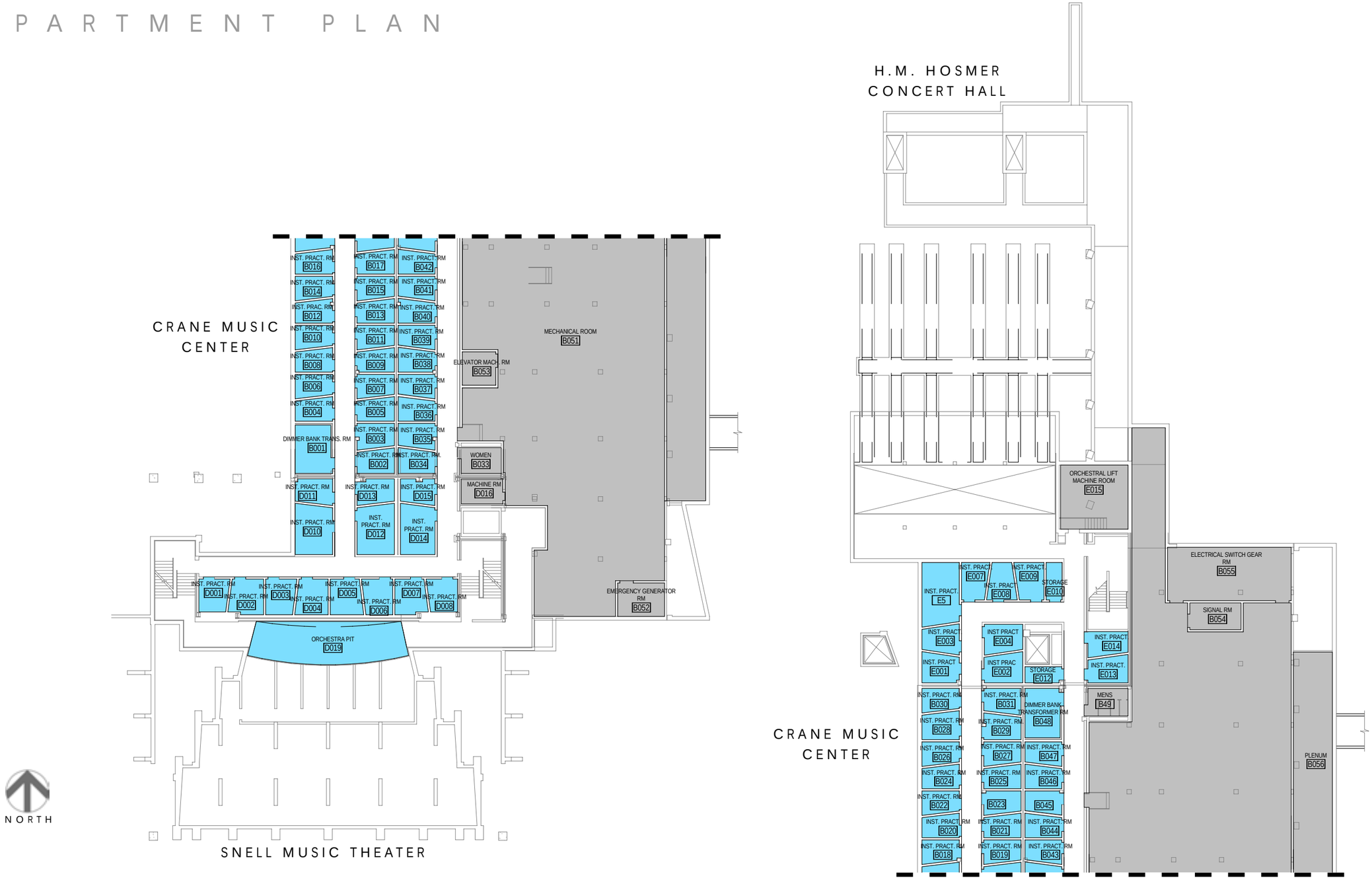
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance



CRANE MUSIC COMPLEX 009A -009D & 016

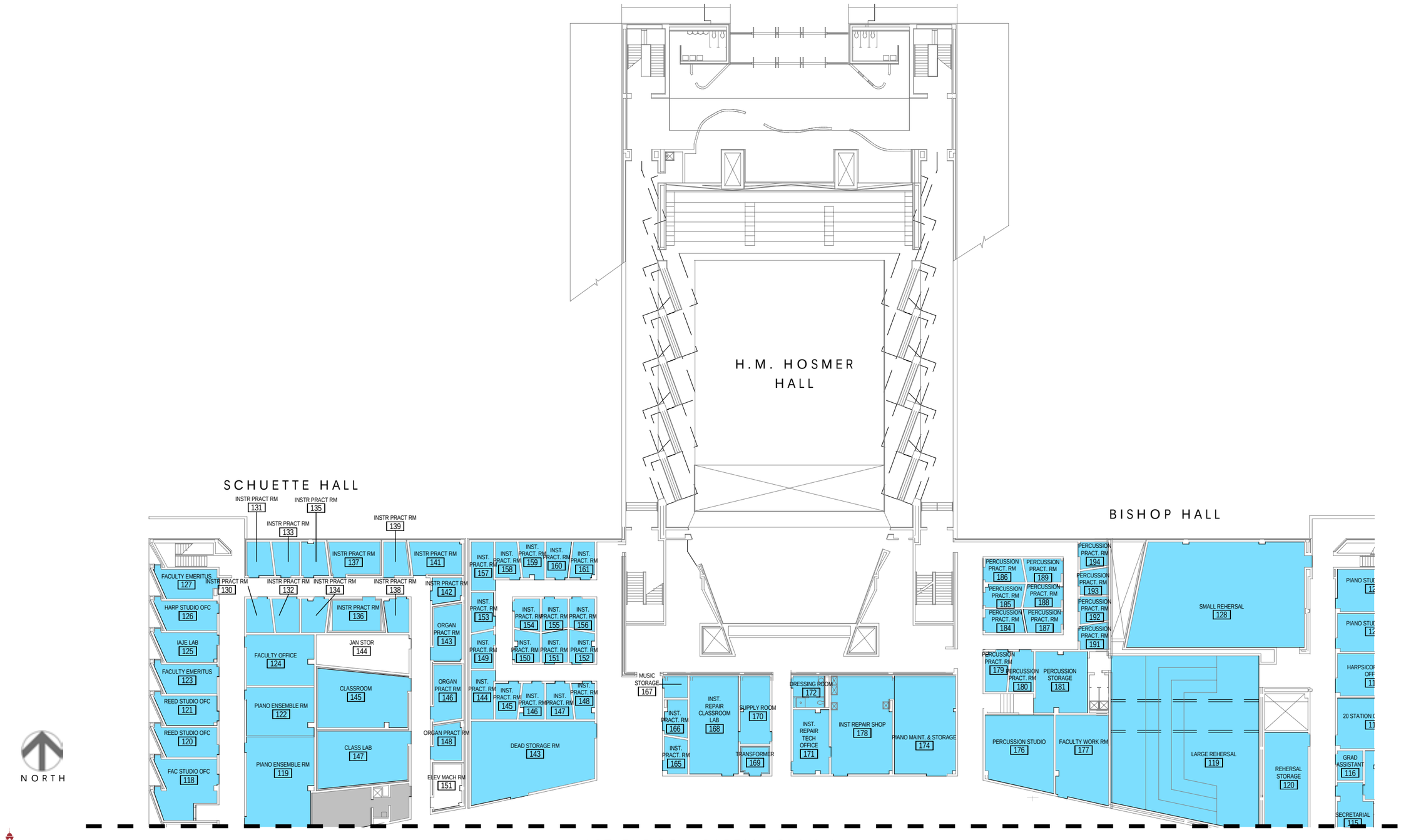
DEPARTMENT PLAN



BASEMENT LEVEL

CRANE MUSIC COMPLEX 009A -009D & 016

DEPARTMENT PLAN



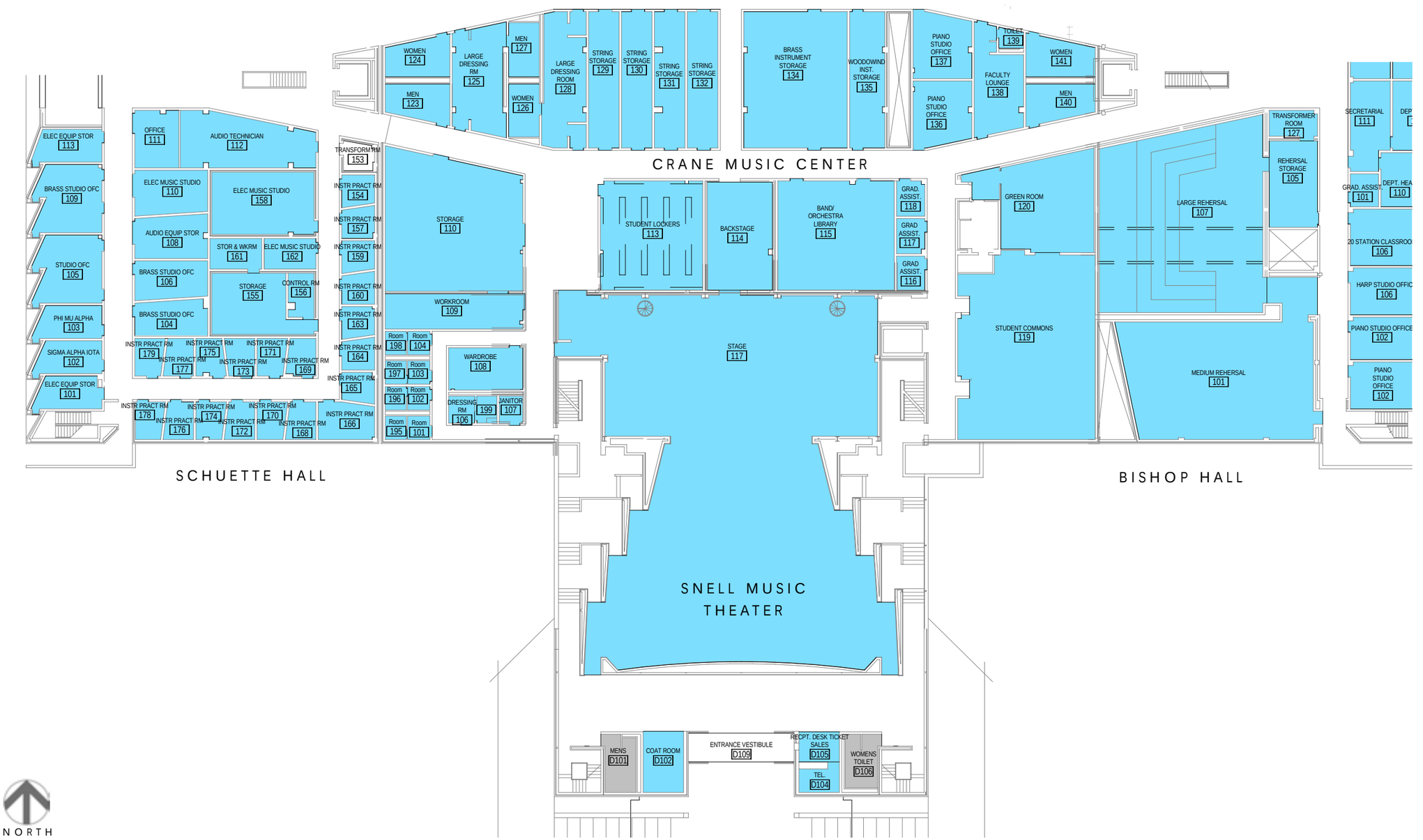
SUNY POTSDAM

1ST FLOOR - PARTIAL PLAN A

CRANE MUSIC COMPLEX 009A -009D & 016

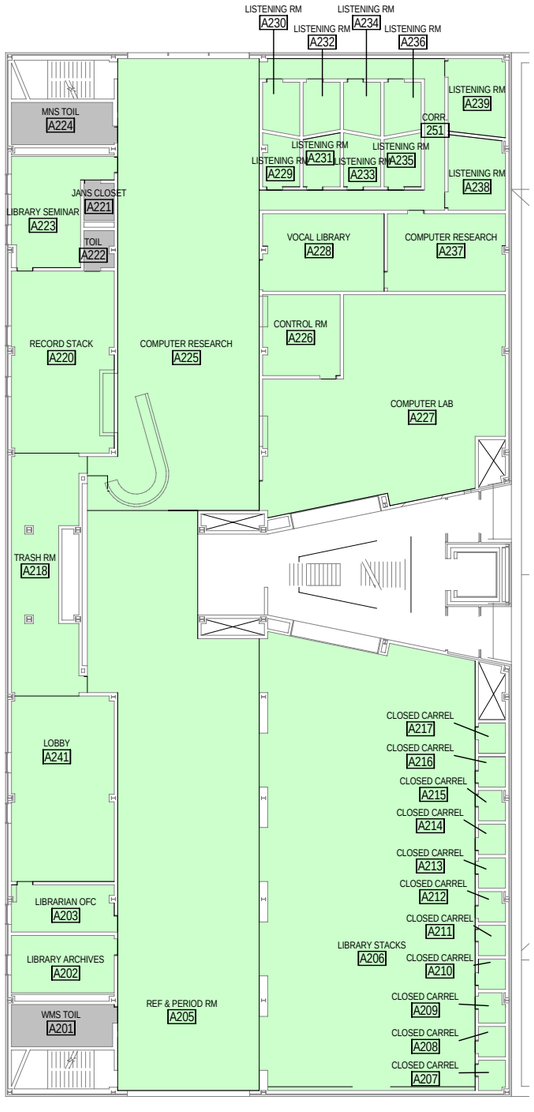
DEPARTMENT PLAN

1ST FLOOR - PARTIAL PLAN B

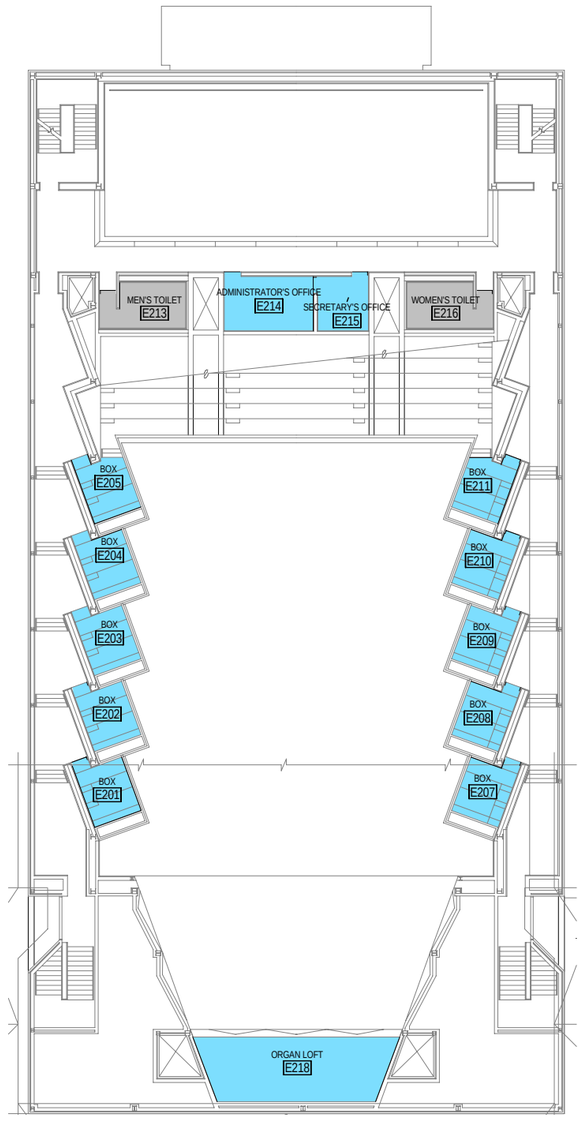


CRANE MUSIC COMPLEX 009A -009D & 016

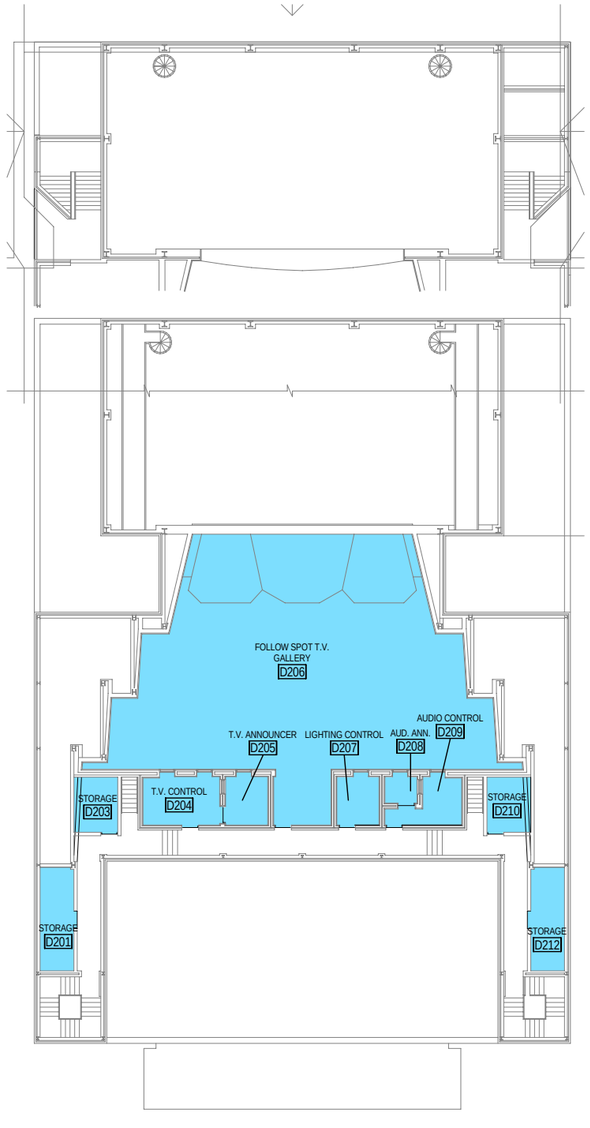
D E P A R T M E N T P L A N



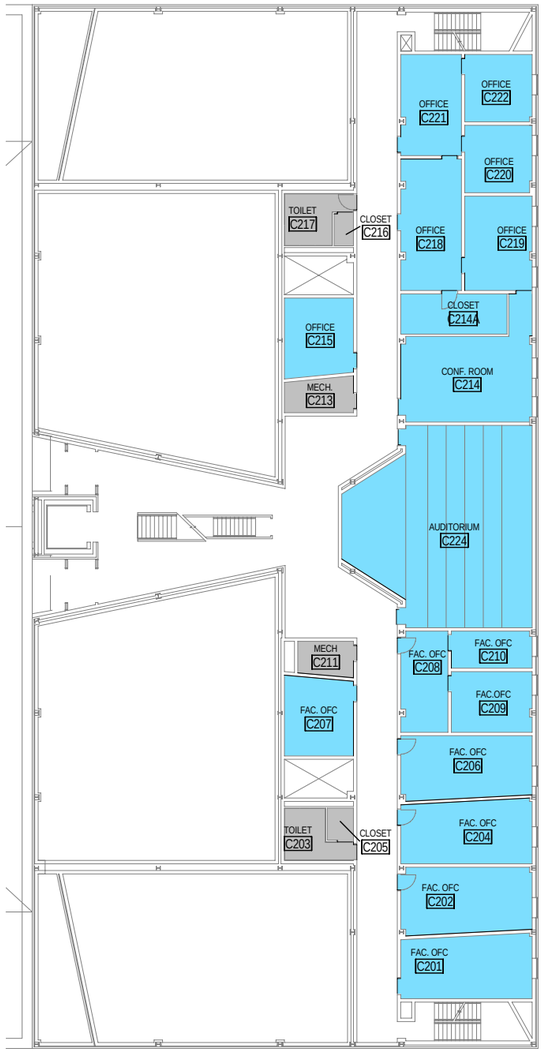
SCHUETTE HALL -2ND FLOOR



H.M. HOSMER CONCERT HALL - 2ND FLOOR



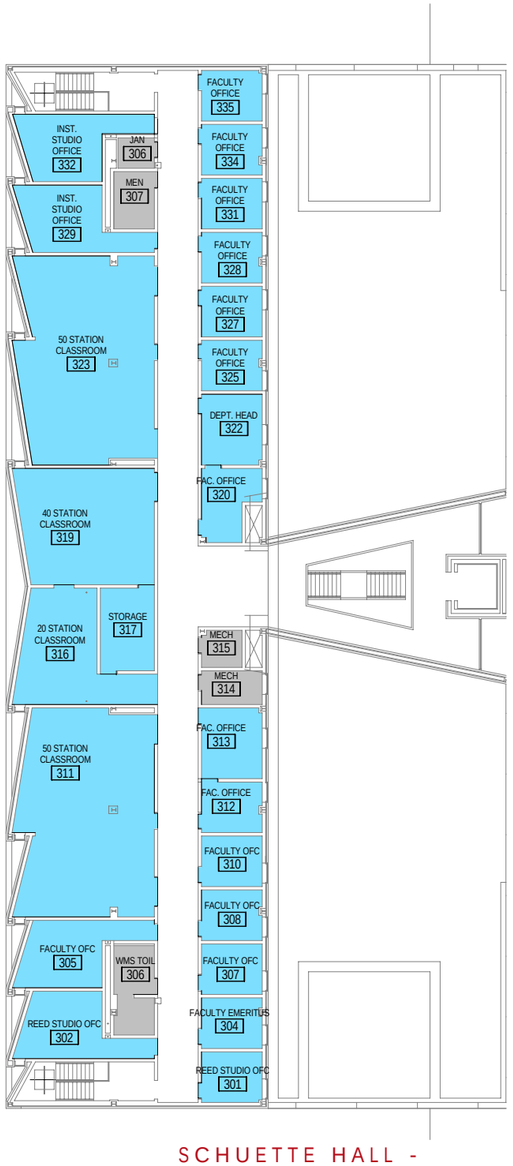
SNELL MUSIC THEATHER - 2ND FLOOR



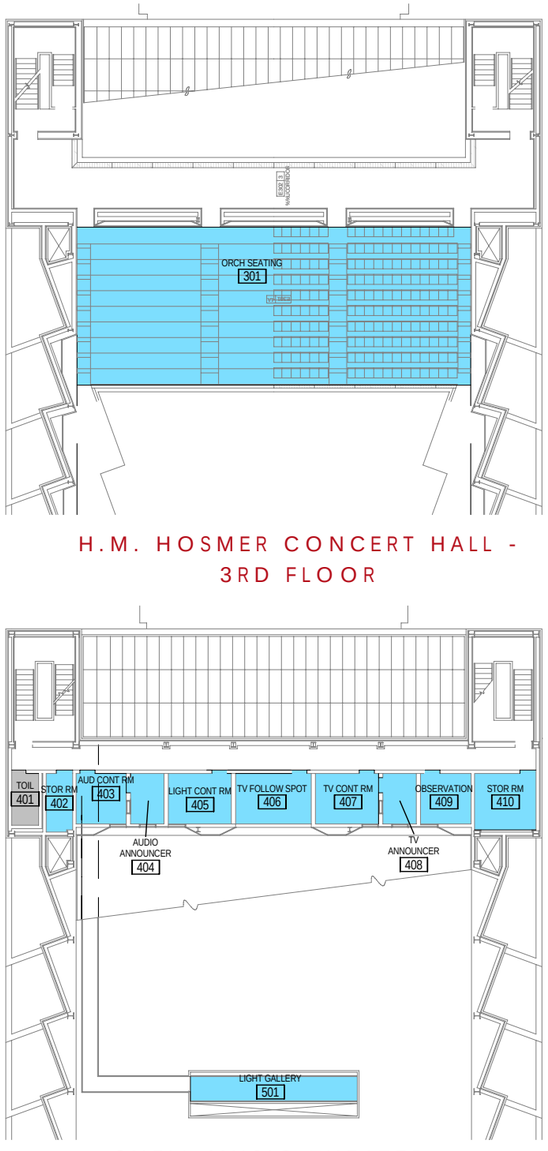
BISHOP HALL - 2ND FLOOR

CRANE MUSIC COMPLEX 009A -009D & 016

DEPARTMENT PLAN

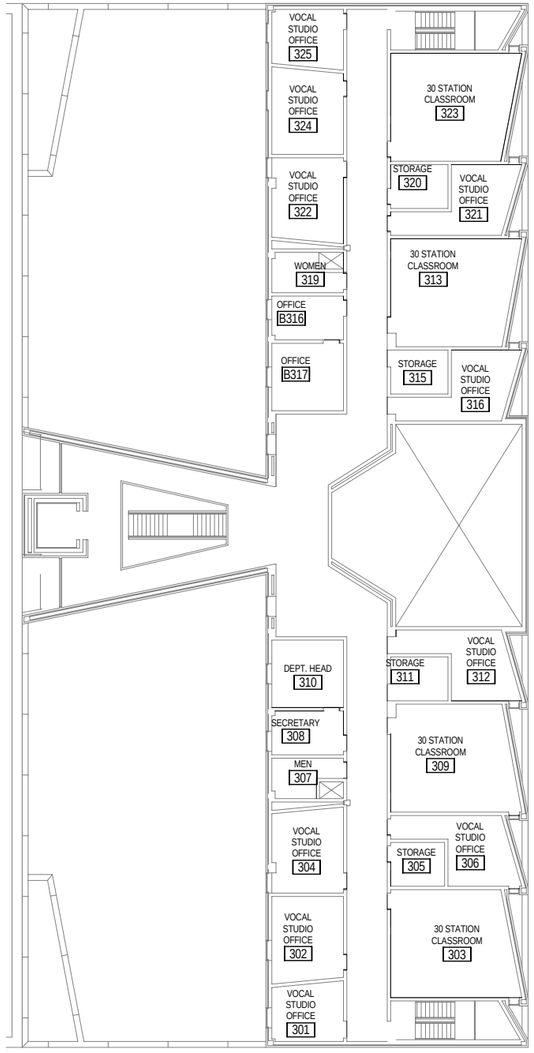


SCHUETTE HALL - 3RD FLOOR



H.M. HOSMER CONCERT HALL - 3RD FLOOR

SNELL MUSIC THEATER - 3RD FLOOR



BISHOP HALL - 3RD FLOOR

NORTH

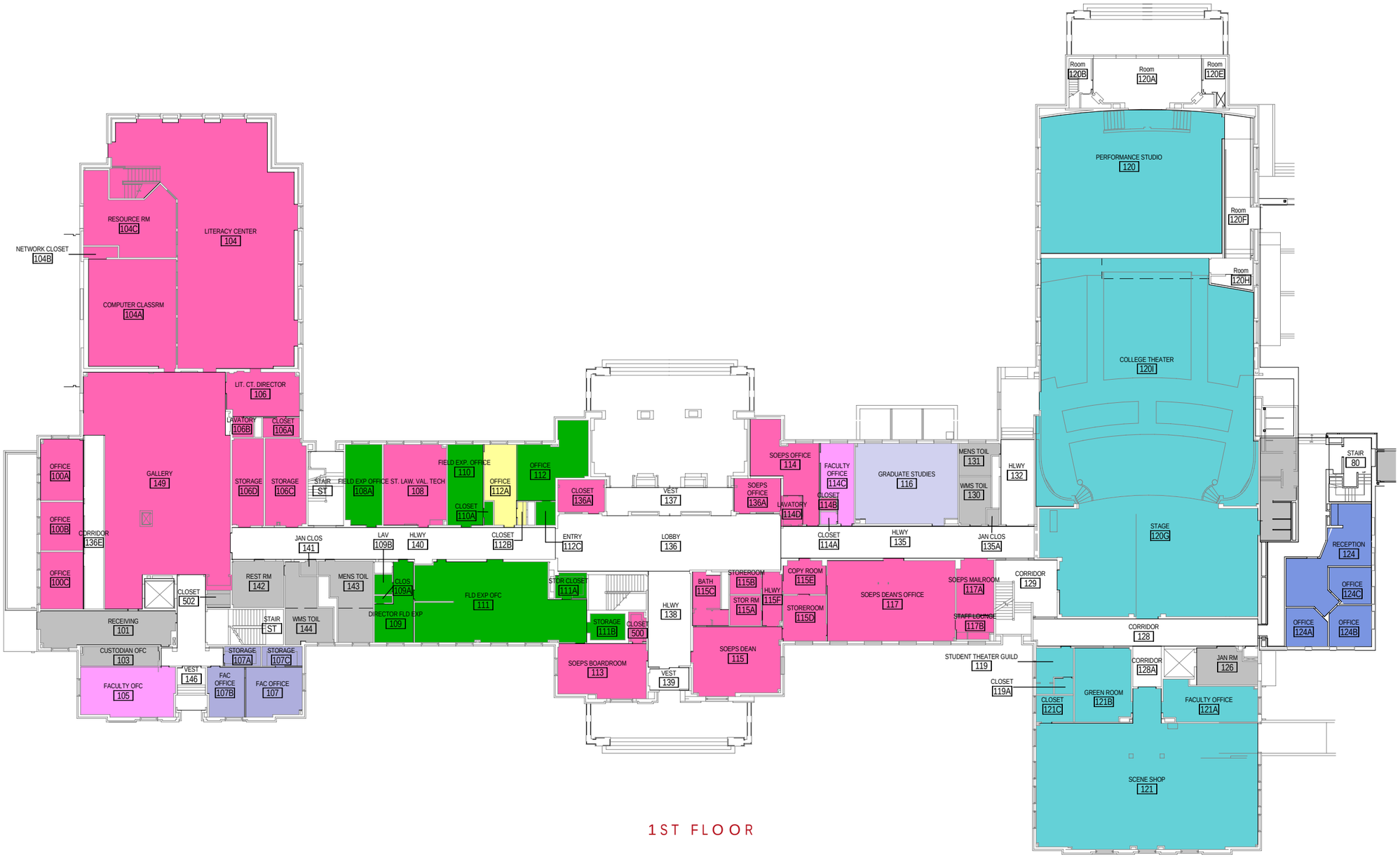
SATTERLEE HALL 010

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
- Geology
- Health and Physical Education
- History
- Information & Communication Technology
- Instruction General
- Interdisciplinary Studies
- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

SATTERLEE HALL 010

D E P A R T M E N T P L A N



1ST FLOOR

SATTERLEE HALL 010

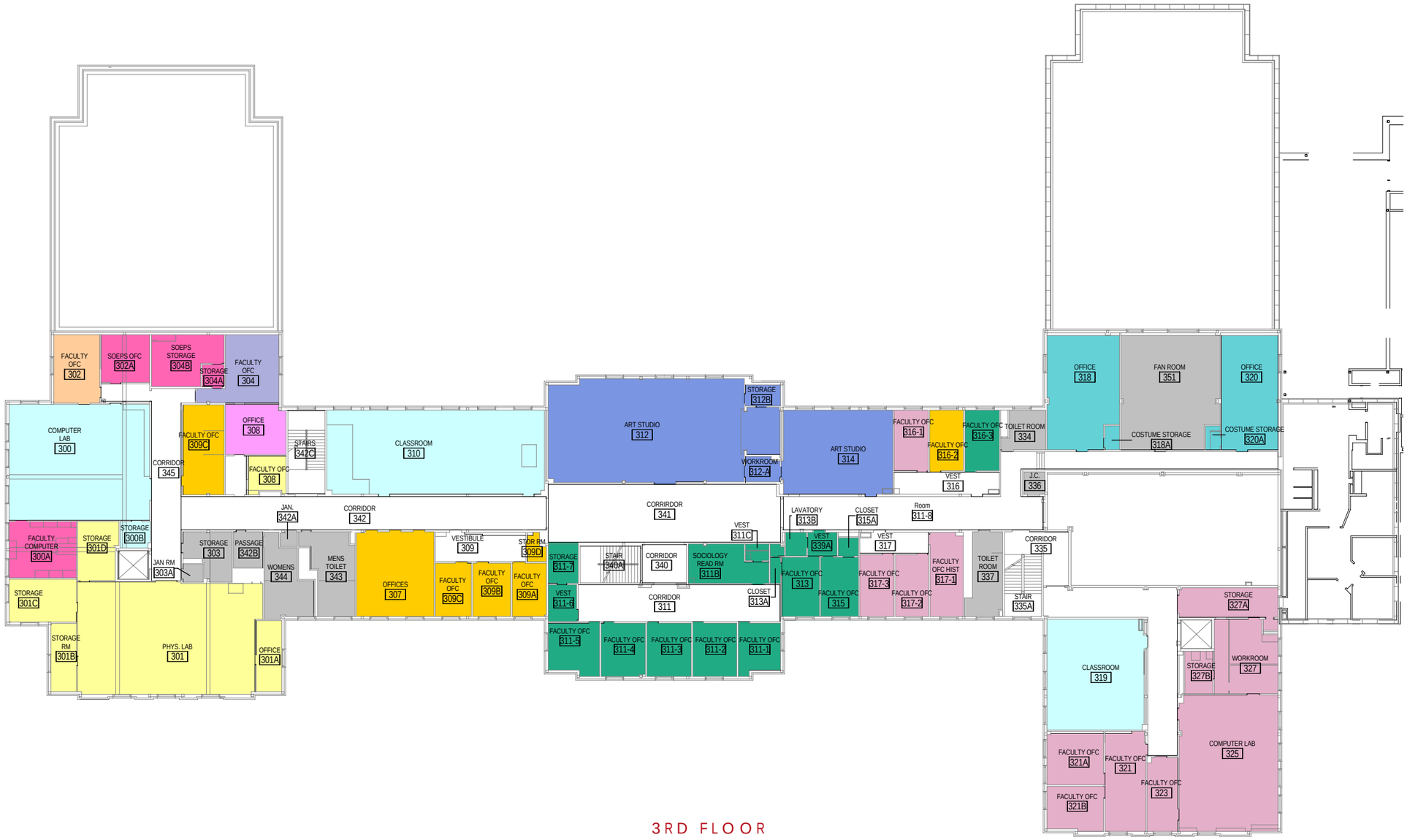
DEPARTMENT PLAN

NORTH

2ND FLOOR

SATTERLEE HALL 010

DEPARTMENT PLAN



NORTH

3RD FLOOR

DUNN HALL 011

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
- Geology
- Health and Physical Education
- History
- Information & Communication Technology
- Instruction General
- Interdisciplinary Studies
- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

NORTH

1ST FLOOR

DUNN HALL 011

DEPARTMENT PLAN

2ND FLOOR

3RD FLOOR

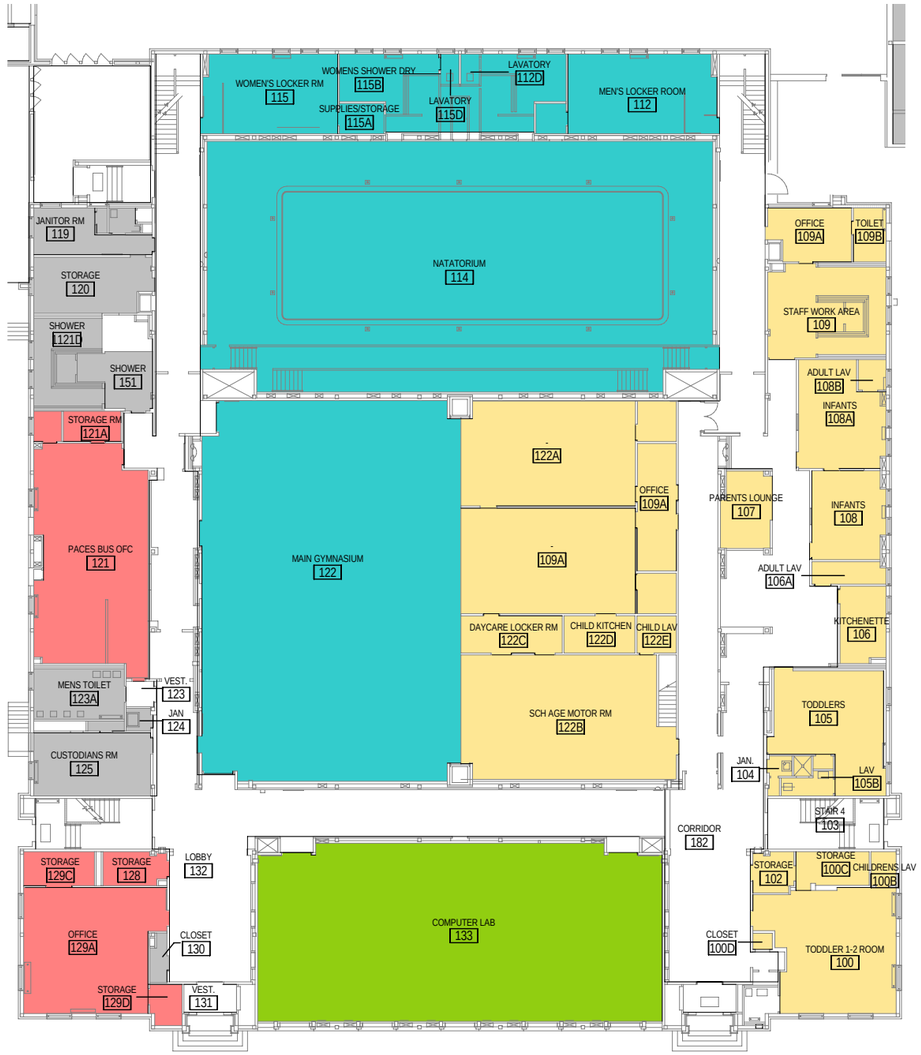
NORTH

MERRITT HALL 012

D E P A R T M E N T P L A N

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
- Geology
- Health and Physical Education
- History
- Information & Communication Technology
- Instruction General
- Interdisciplinary Studies
- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

NORTH

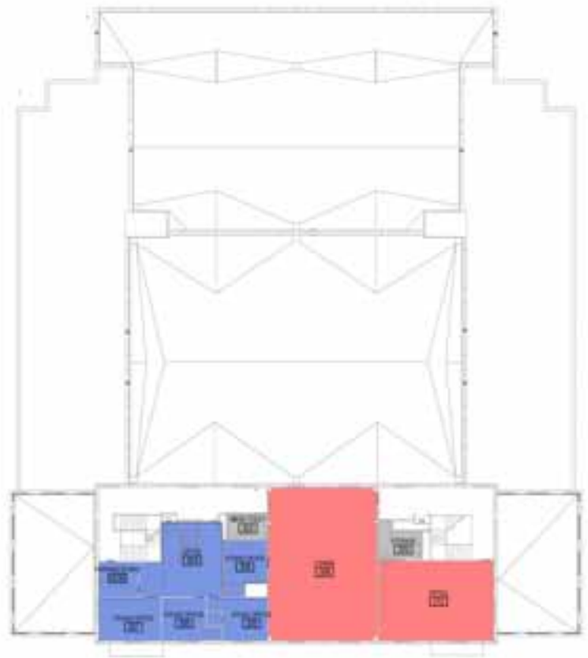


FIRST FLOOR

MERRITT HALL 012

DEPARTMENT PLAN

SECOND FLOOR



THIRD FLOOR

NORTH

SERVICES 013,024,024A,024B & 044

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
- Geology
- Health and Physical Education
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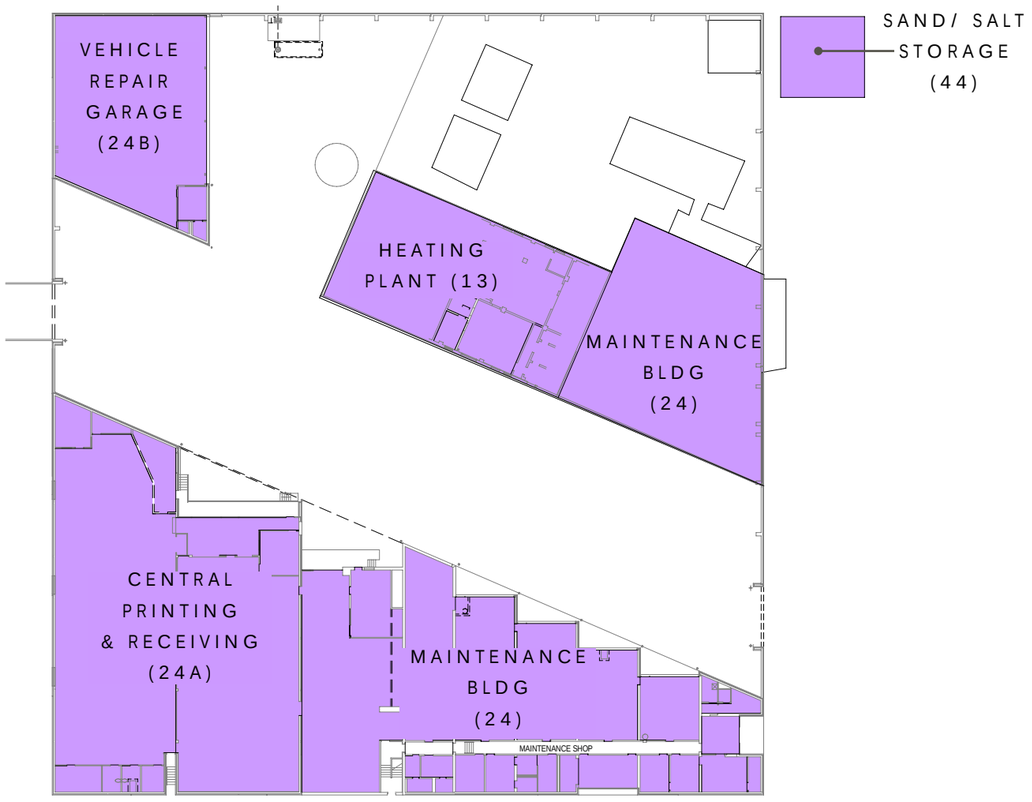
- Instruction General
- Interdisciplinary Studies
- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

SERVICES 013,024,024A,024B & 044

DEPARTMENT PLAN



NORTH

1ST FLOOR

MOREY HALL 015A

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
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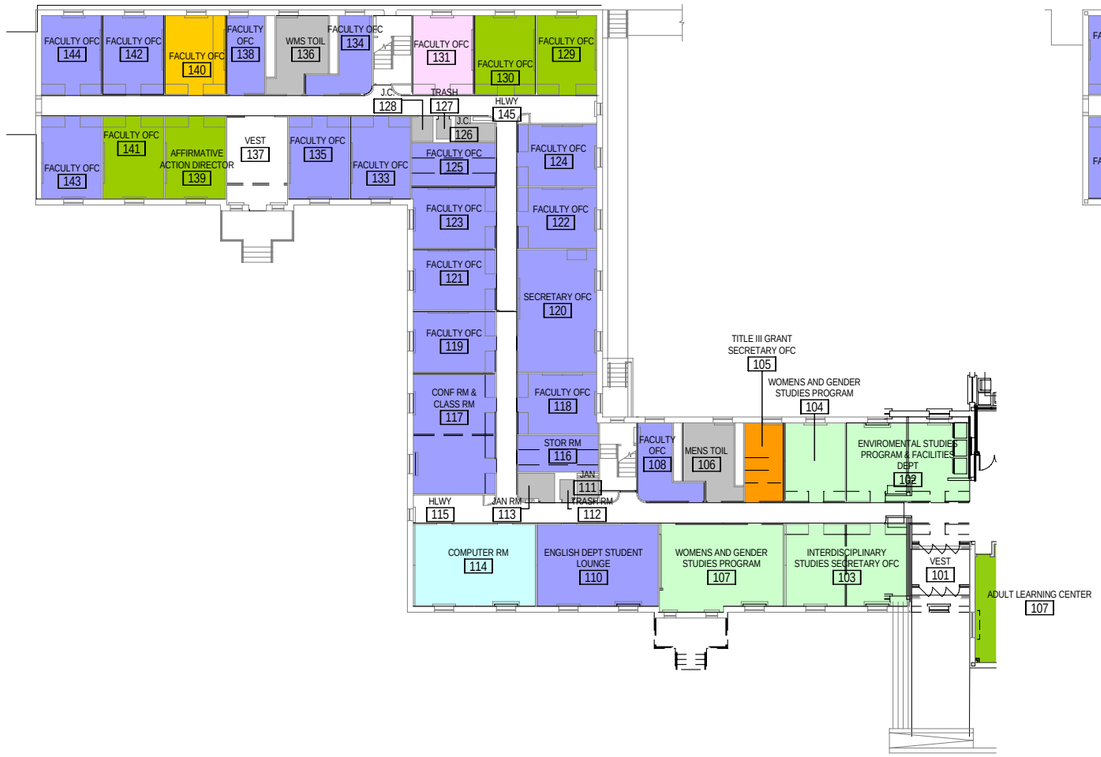
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

MOREY HALL 015A

DEPARTMENT PLAN



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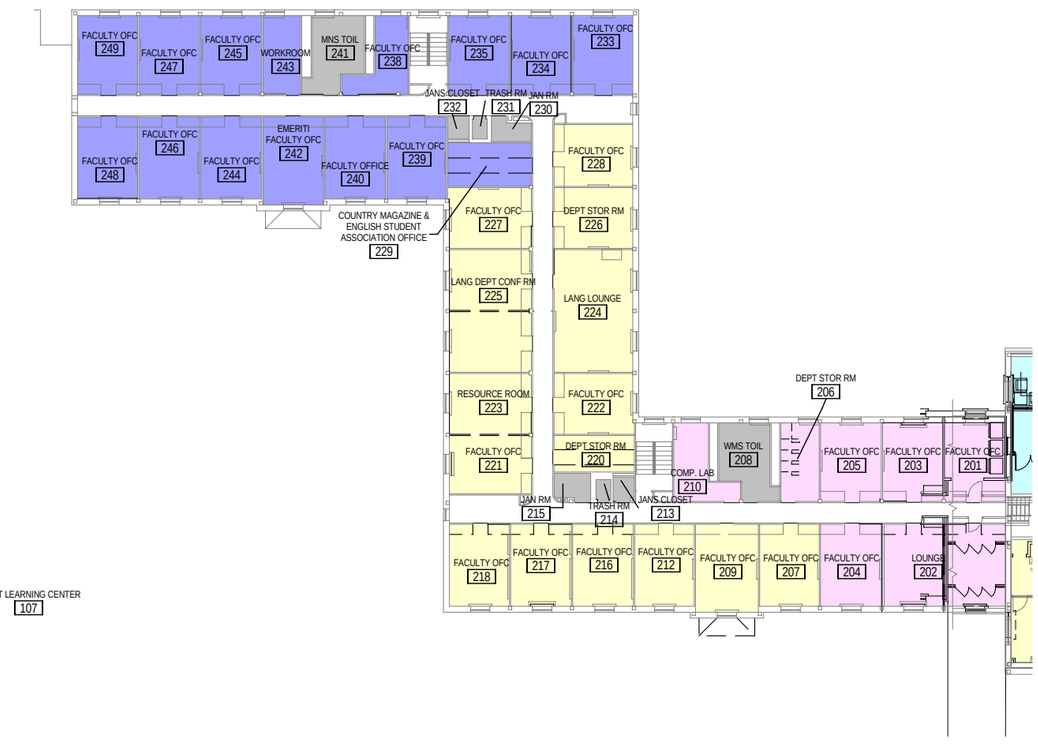


2ND FLOOR

NORTH

CARSON HALL 015B

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
- Geology
- Health and Physical Education
- History
- Information & Communication Technology
- Instruction General
- Interdisciplinary Studies
- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

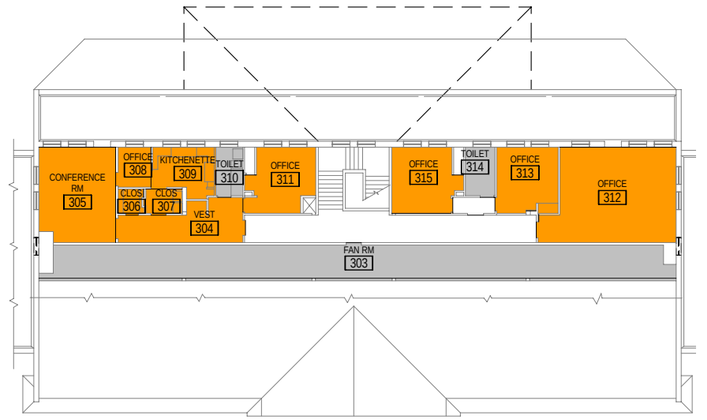
CARSON HALL 015B

DEPARTMENT PLAN

2ND FLOOR

NORTH

1ST FLOOR



3RD FLOOR

MACVICAR HALL 015C

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
- Geology
- Health and Physical Education
- History
- Information & Communication Technology
- Instruction General
- Interdisciplinary Studies
- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

MACVICAR HALL 015C

DEPARTMENT PLAN

1ST FLOOR

2ND FLOOR

NORTH

STILLMAN COMPUTER CENTER 015D

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
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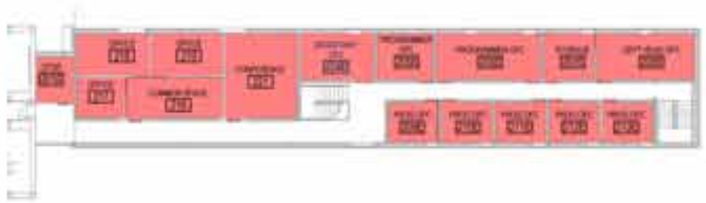
- Health and Physical Education
- History
- Information & Communication Technology
- Instruction General
- Interdisciplinary Studies
- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

STILLMAN COMPUTER CENTER 015D

DEPARTMENT PLAN

1ST FLOOR



2ND FLOOR

NORTH

SISSON HALL 017

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
- Geology
- Health and Physical Education
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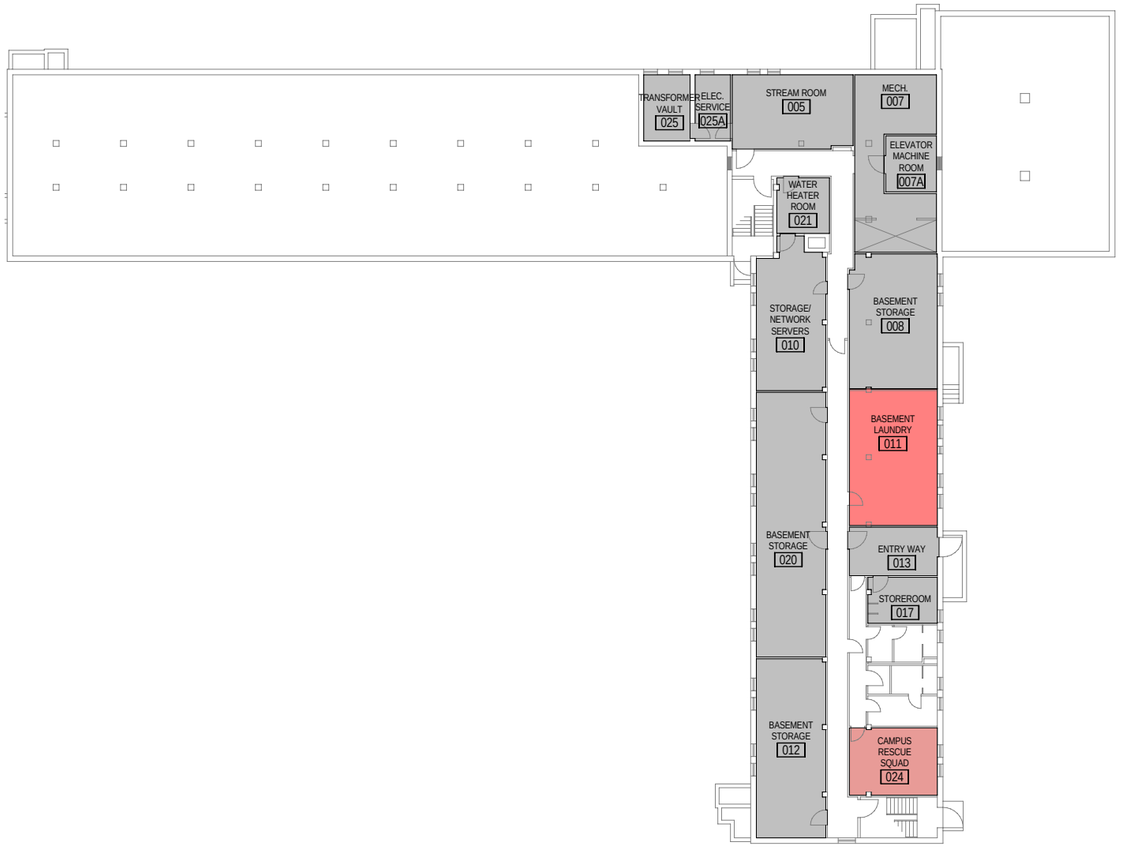
- Information & Communication Technology
- Instruction General
- Interdisciplinary Studies
- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

NORTH

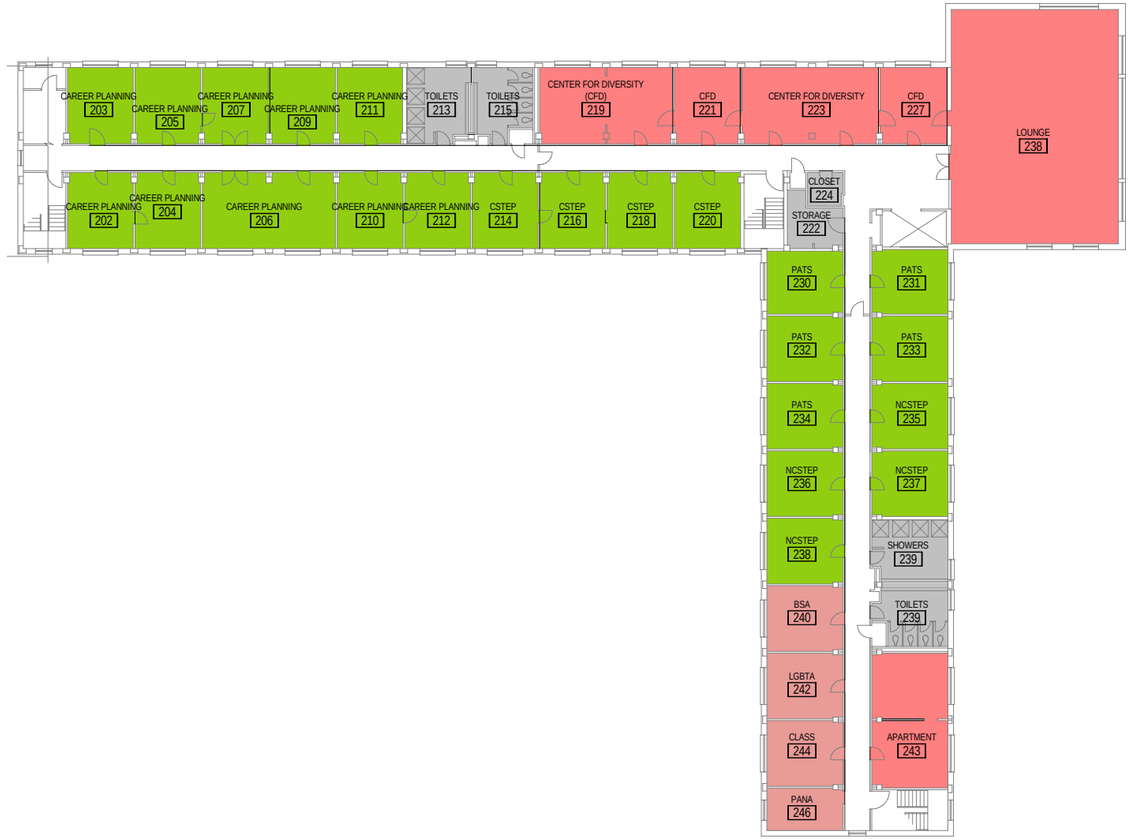


BASEMENT

SISSON HALL 017

DEPARTMENT PLAN

1ST FLOOR



2ND FLOOR

NORTH

SPACE USE

ANALYSIS OF SPACE NEEDS

VANHOUSEN HALL & EXTENSION 018

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
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- Politics
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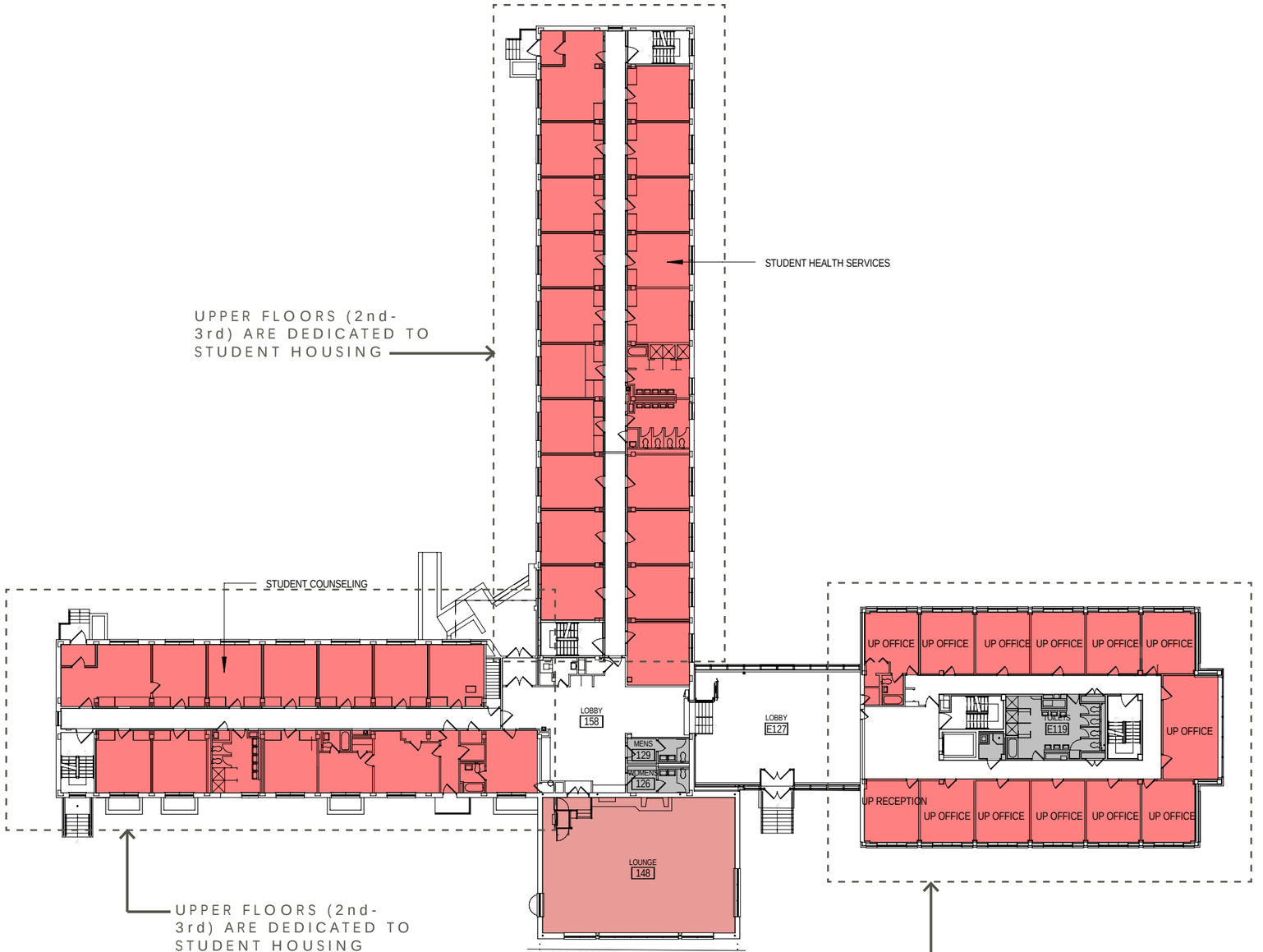
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

VANHOUSEN HALL & EXTENSION 018

DEPARTMENT PLAN



1ST FLOOR

NORTH

STOWELL HALL 021

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
- Geology
- Health and Physical Education
- History
- Information & Communication Technology
- Instruction General
- Interdisciplinary Studies
- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

NORTH

BASEMENT

STOWELL HALL 021

DEPARTMENT PLAN

2ND FLOOR

1ST FLOOR

NORTH

KNOWLES CONFERENCE CENTER 022

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
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- Extended Education
- Facilities / Central Plant
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- General Administration
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- Library Services
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- Non Assignable
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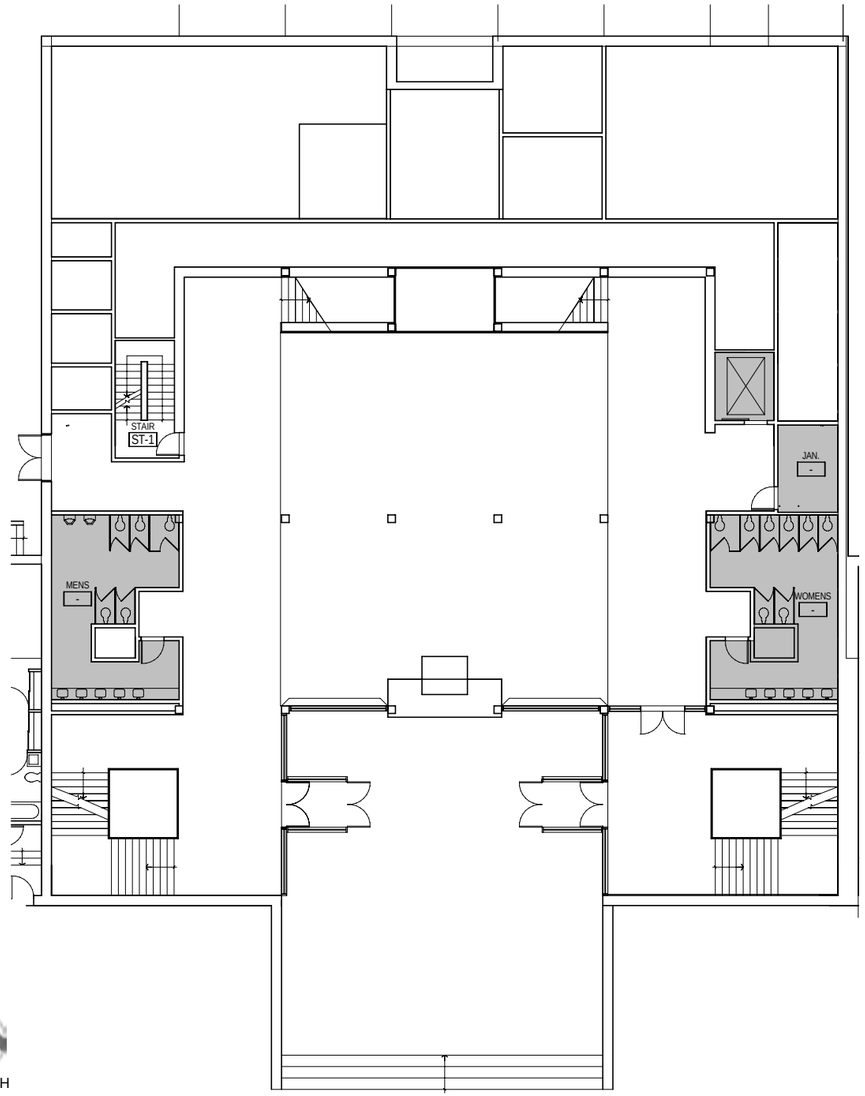
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

KNOWLES CONFERENCE CENTER 022

DEPARTMENT PLAN



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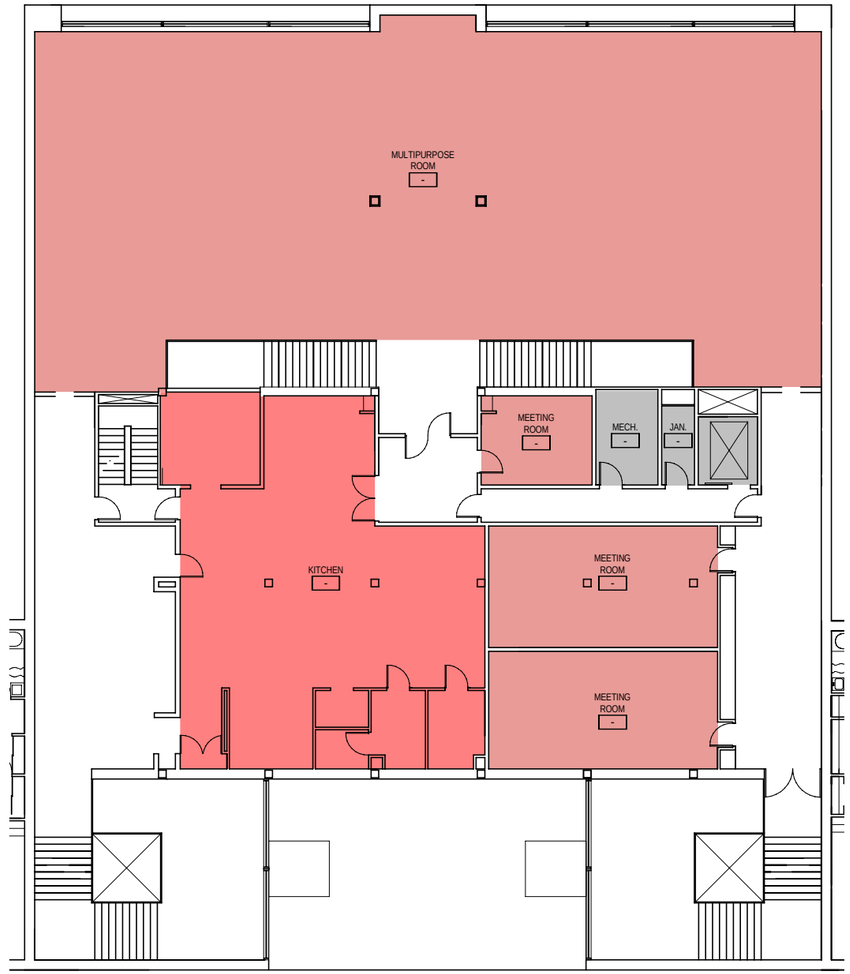

2ND FLOOR

KELLAS HALL 025

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
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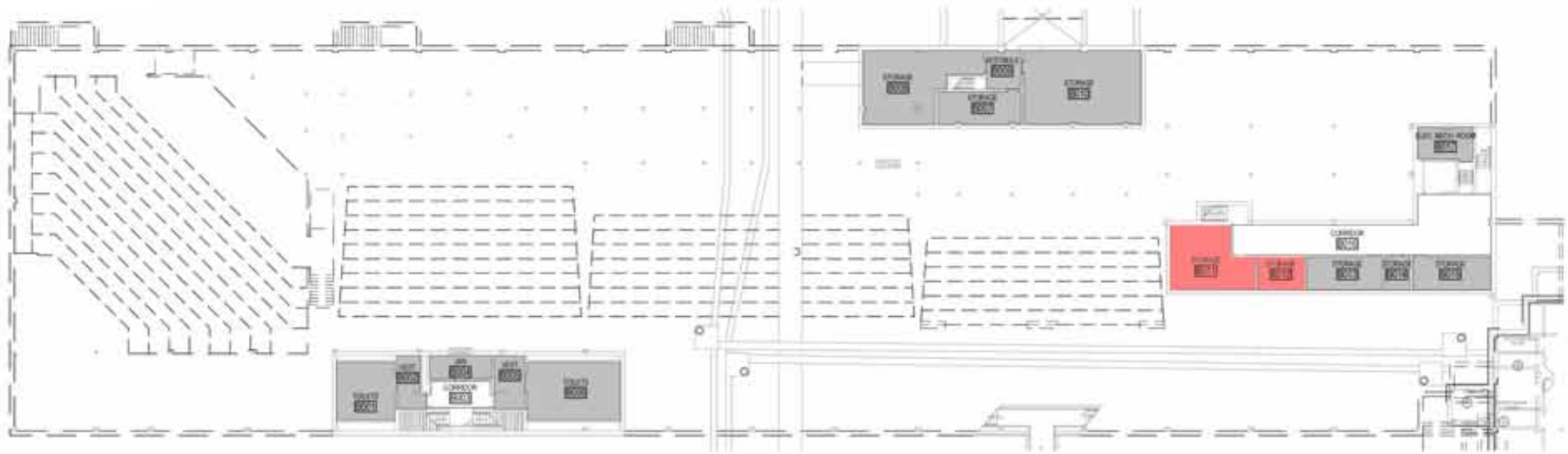
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance



NORTH

BASEMENT

KELLAS HALL 025

DEPARTMENT PLAN

2ND FLOOR

1ST FLOOR

NORTH

SPACE USE

ANALYSIS OF SPACE NEEDS

BRAINERD HALL 026

DEPARTMENT PLAN

1ST FLOOR

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
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- Facilities / Central Plant
- Field Experiences & Teacher Certification
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- Geology
- Health and Physical Education
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- Instruction General
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- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

NORTH

BRAINERD HALL 026

DEPARTMENT PLAN

2ND FLOOR

NORTH

TIMERMAN HALL 027

D E P A R T M E N T P L A N

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
- Geology
- Health and Physical Education
- History
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- Instruction General
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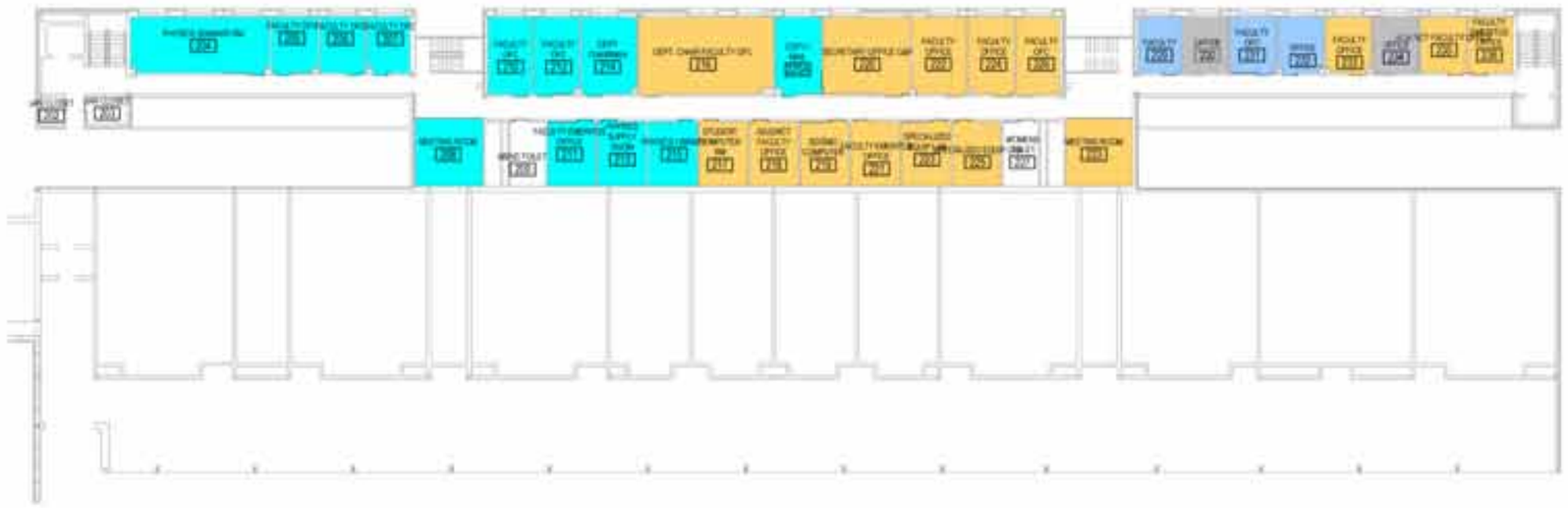
- Library Services
- Literacy
- Mathematics
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

NORTH

BASEMENT

TIMERMAN HALL 027

D E P A R T M E N T P L A N



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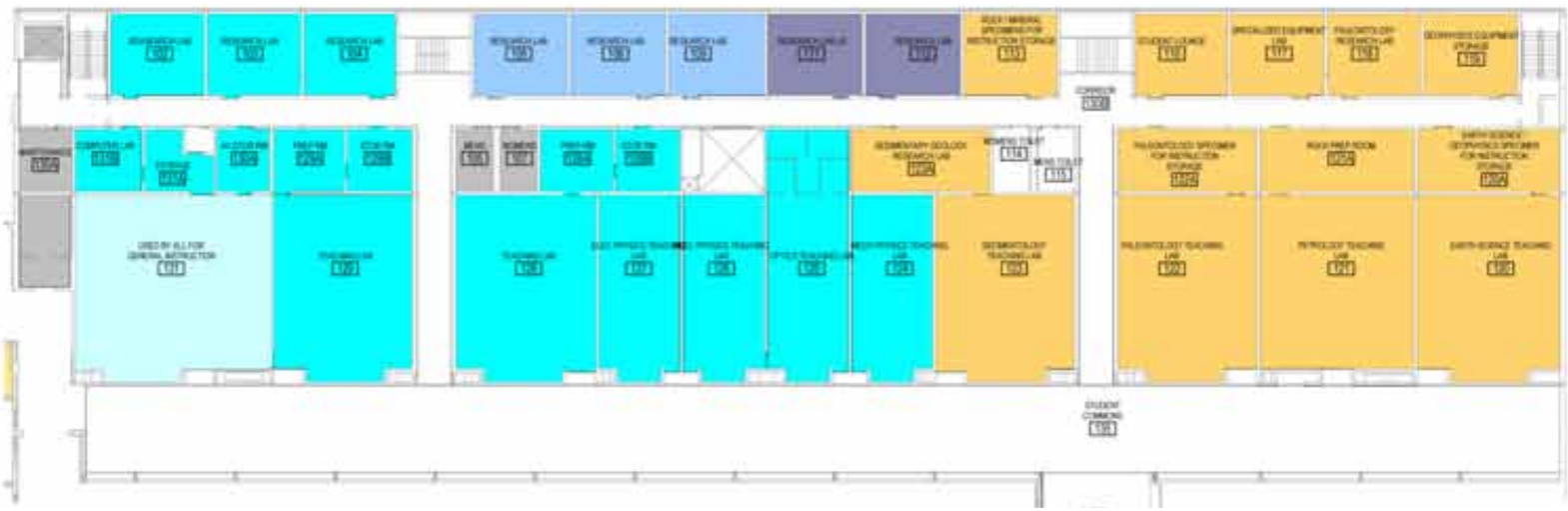
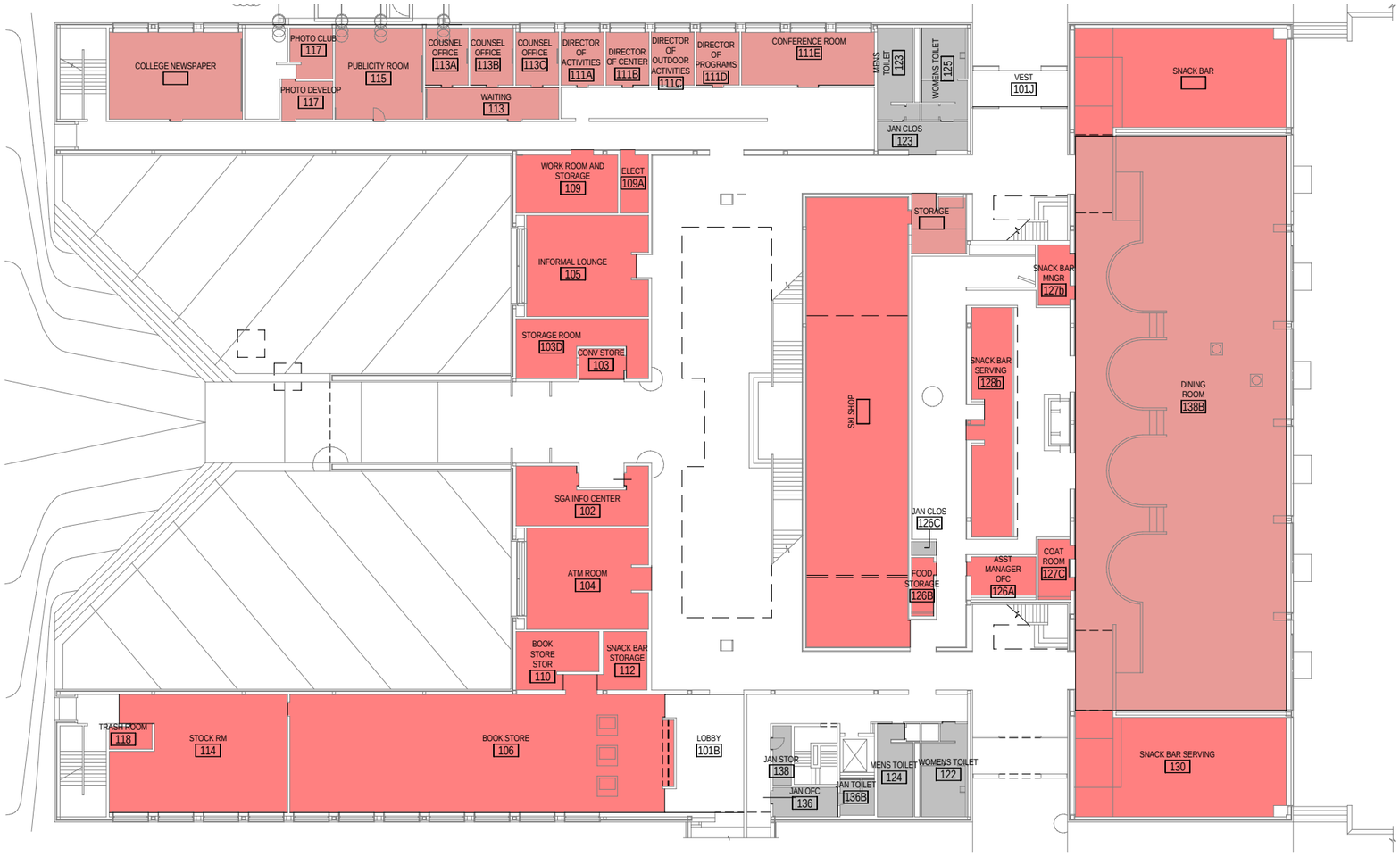


1ST FLOOR

NORTH

T. BARRINGTON STUDENT UNION 029

DEPARTMENT PLAN



1ST FLOOR

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
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- Facilities / Central Plant
- Field Experiences & Teacher Certification
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- Health and Physical Education
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- Information & Communication Technology
- Instruction General
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- Library Services
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- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

NORTH

T. BARRINGTON STUDENT UNION 029

DEPARTMENT PLAN

NORTH

2ND FLOOR

3RD FLOOR

LEHMAN DINING HALL 030

DEPARTMENT PLAN

- Academic Services
- Anthropology
- Art
- Biology
- Building Services
- Business Administration
- Chemistry
- Child / Day Care
- Community Health
- Computer Science
- Crane School of Music
- Curriculum & Instruction B-G6
- Economics and Employment Relations
- English
- Extended Education
- Facilities / Central Plant
- Field Experiences & Teacher Certification
- General Administration
- Geology
- Health and Physical Education
- History
- Information & Communication Technology
- Instruction General
- Interdisciplinary Studies
- Library Services
- Literacy
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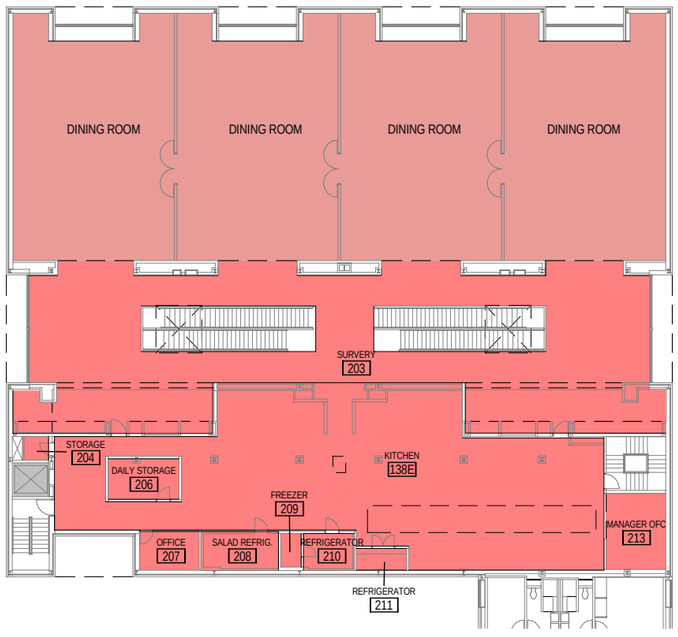
- Modern Languages
- Non Assignable
- Philosophy
- Physics
- Politics
- Psychology
- School of Arts and Sciences
- School of Education and Professional Studies
- Secondary Education
- Sociology
- Special Education
- Student Activities
- Student Services
- Theater and Dance

LEHMAN DINING HALL 030

DEPARTMENT PLAN

GROUND FLOOR



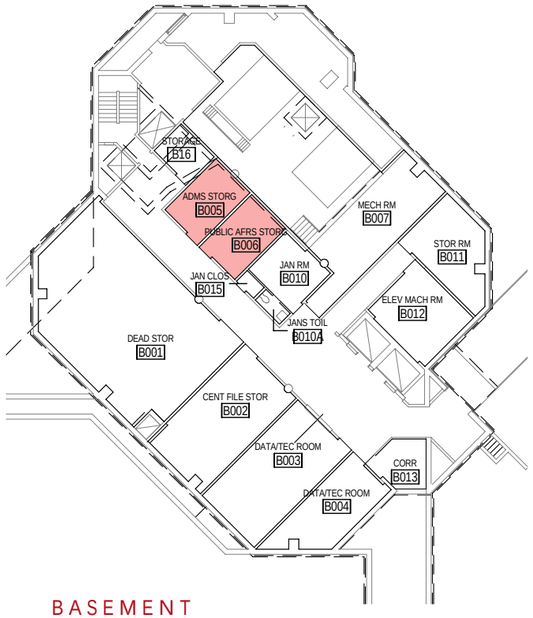
2ND FLOOR

NORTH

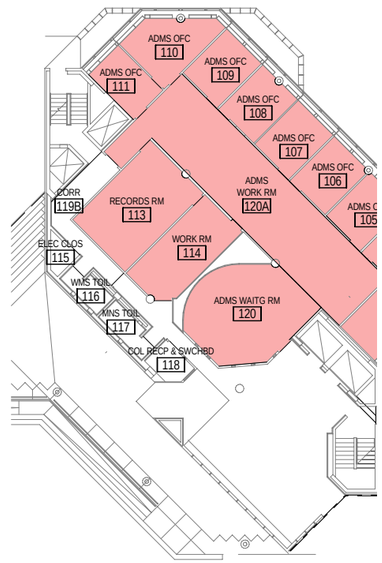
RAYMOND HALL 001

U S E P L A N

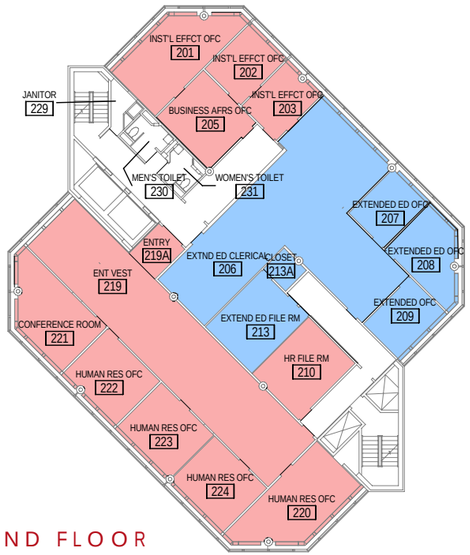
- Academic Services
- Assembly & Exhibition
- Building Services
- Class Laboratory
- Classroom / Class Lab Support
- Data Processing (IT)
- Department Faculty Office & Support
- Department General & Special Use
- Facilities / Central Plant
- General Administration
- General Administration - Office & Support
- Health and Physical Education
- Individual Study Lab
- Instruction General
- Library
- Non Assignable
- Organized Activities
- Public Service
- Research & Support
- Residence Facilities
- Student / Faculty Activities
- Student Services



BASEMENT



1ST FLOOR



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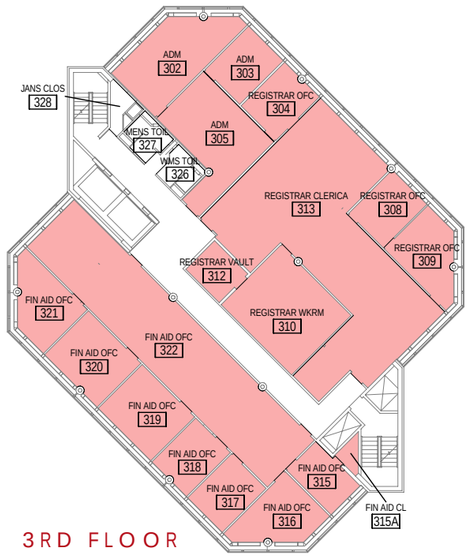

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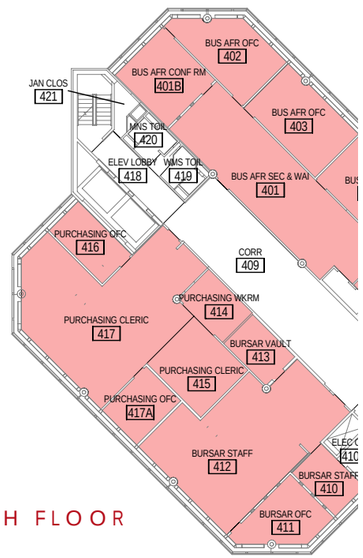


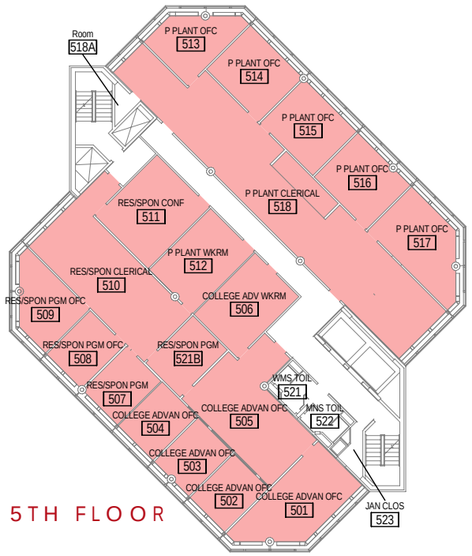
4TH FLOOR

NORTH

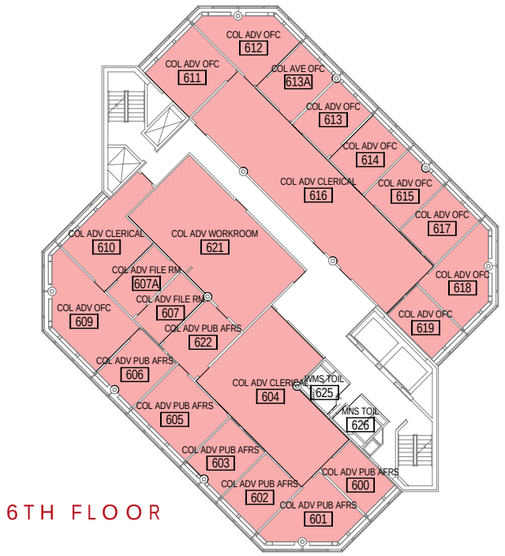
SUNY POTSDAM

RAYMOND HALL 001

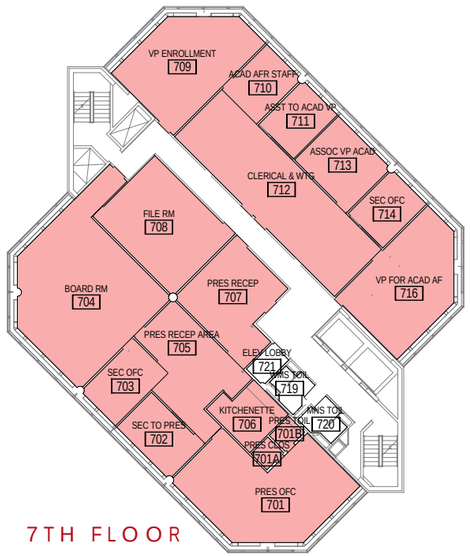
U S E P L A N



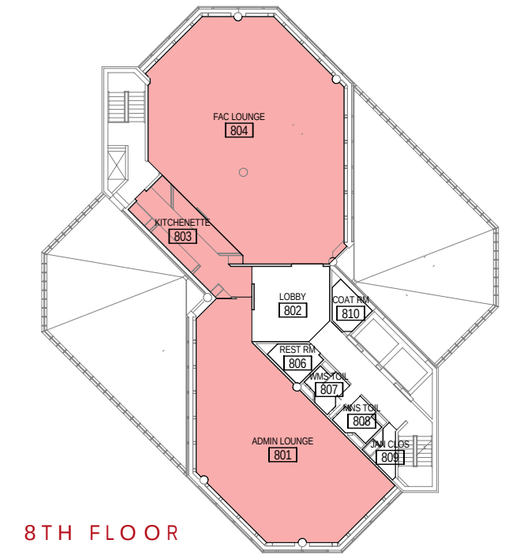
5TH FLOOR



6TH FLOOR



7TH FLOOR



8TH FLOOR

NORTH

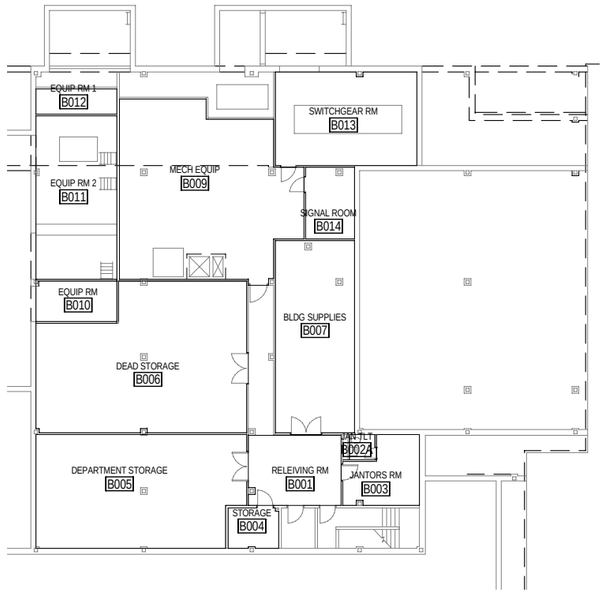
FLAGG HALL 003

USE PLAN

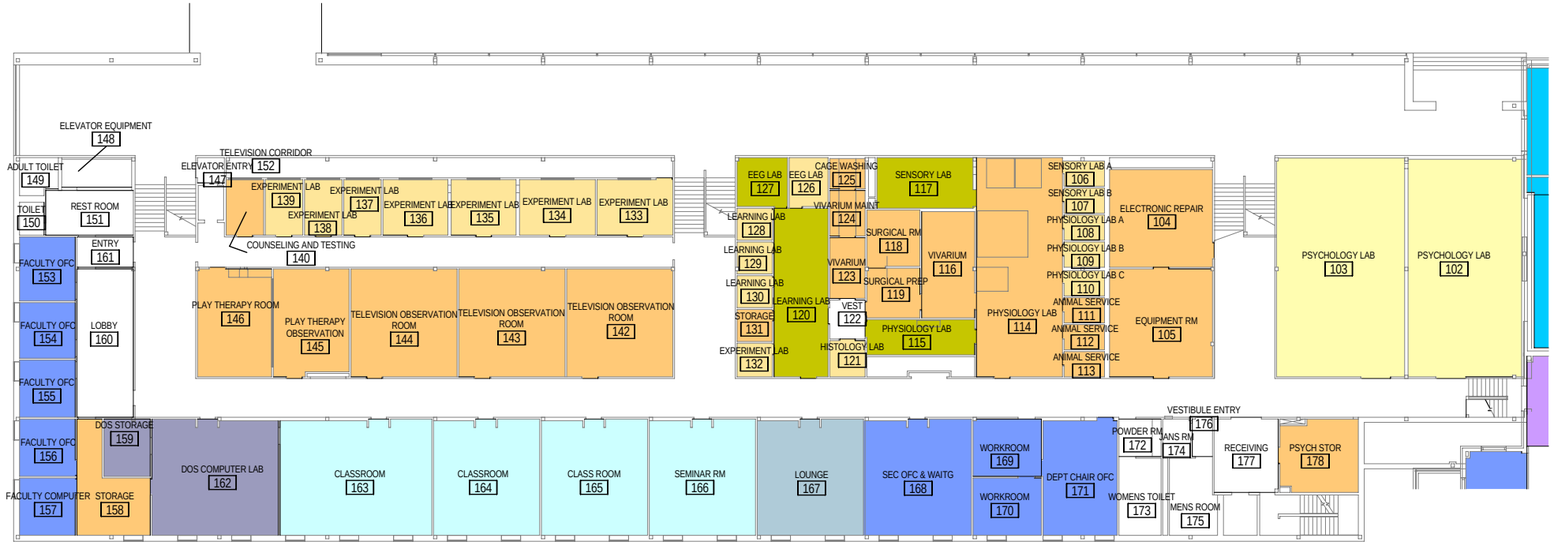
FLAGG HALL 003

USE PLAN

2ND FLOOR



BASEMENT

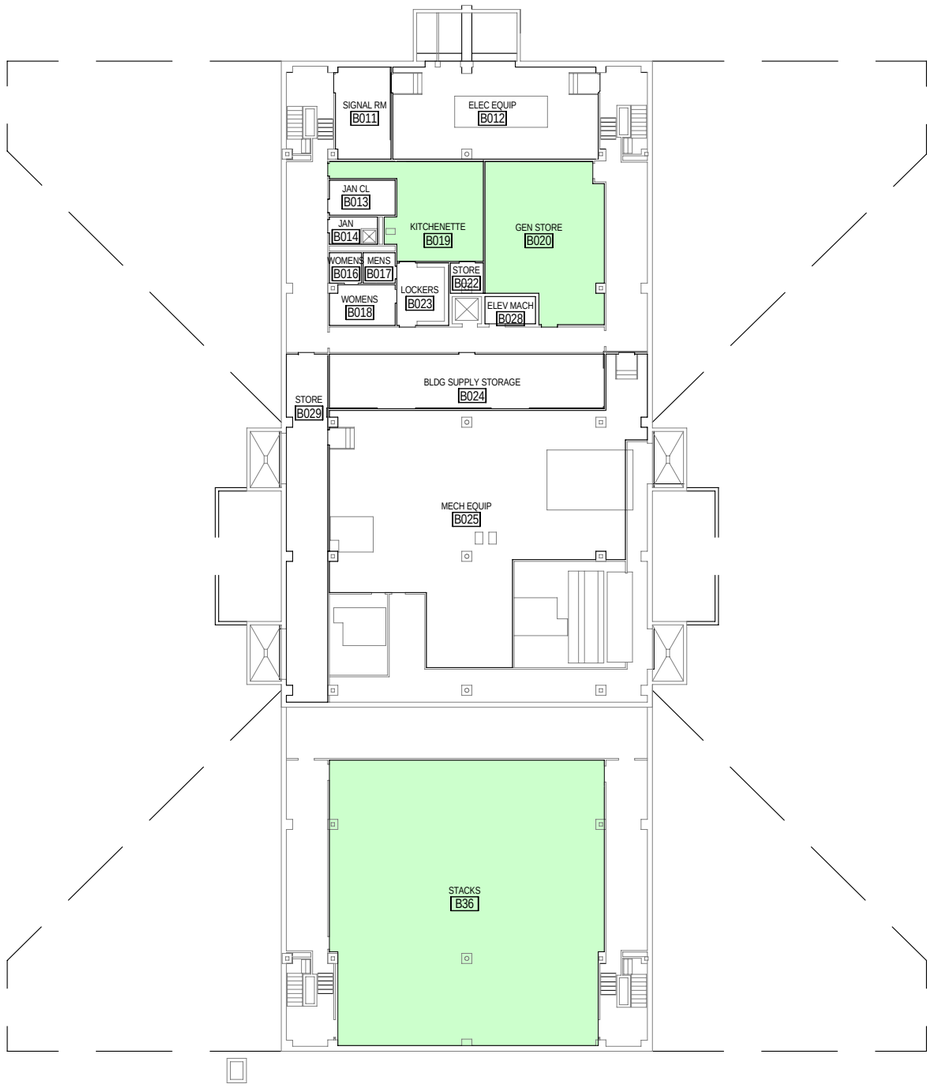


1ST FLOOR

NORTH

CRUMB MEMORIAL LIBRARY 004

U S E P L A N



BASEMENT

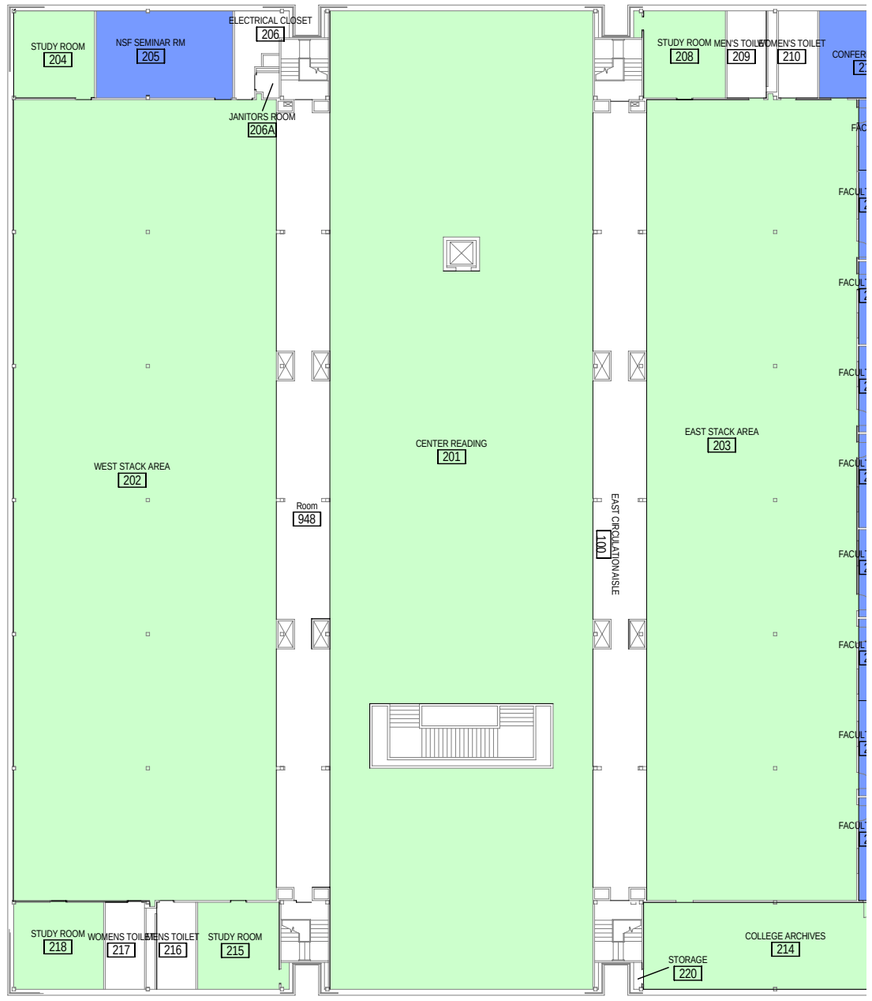
- Academic Services
- Assembly & Exhibition
- Building Services
- Class Laboratory
- Classroom / Class Lab Support
- Data Processing (IT)
- Department Faculty Office & Support
- Department General & Special Use
- Facilities / Central Plant
- General Administration
- General Administration - Office & Support
- Health and Physical Education
- Individual Study Lab
- Instruction General
- Library
- Non Assignable
- Organized Activities
- Public Service
- Research & Support
- Residence Facilities
- Student / Faculty Activities
- Student Services

NORTH

CRUMB MEMORIAL LIBRARY 004

U S E P L A N

1ST FLOOR



2ND FLOOR

NORTH

MAXCY HALL 005

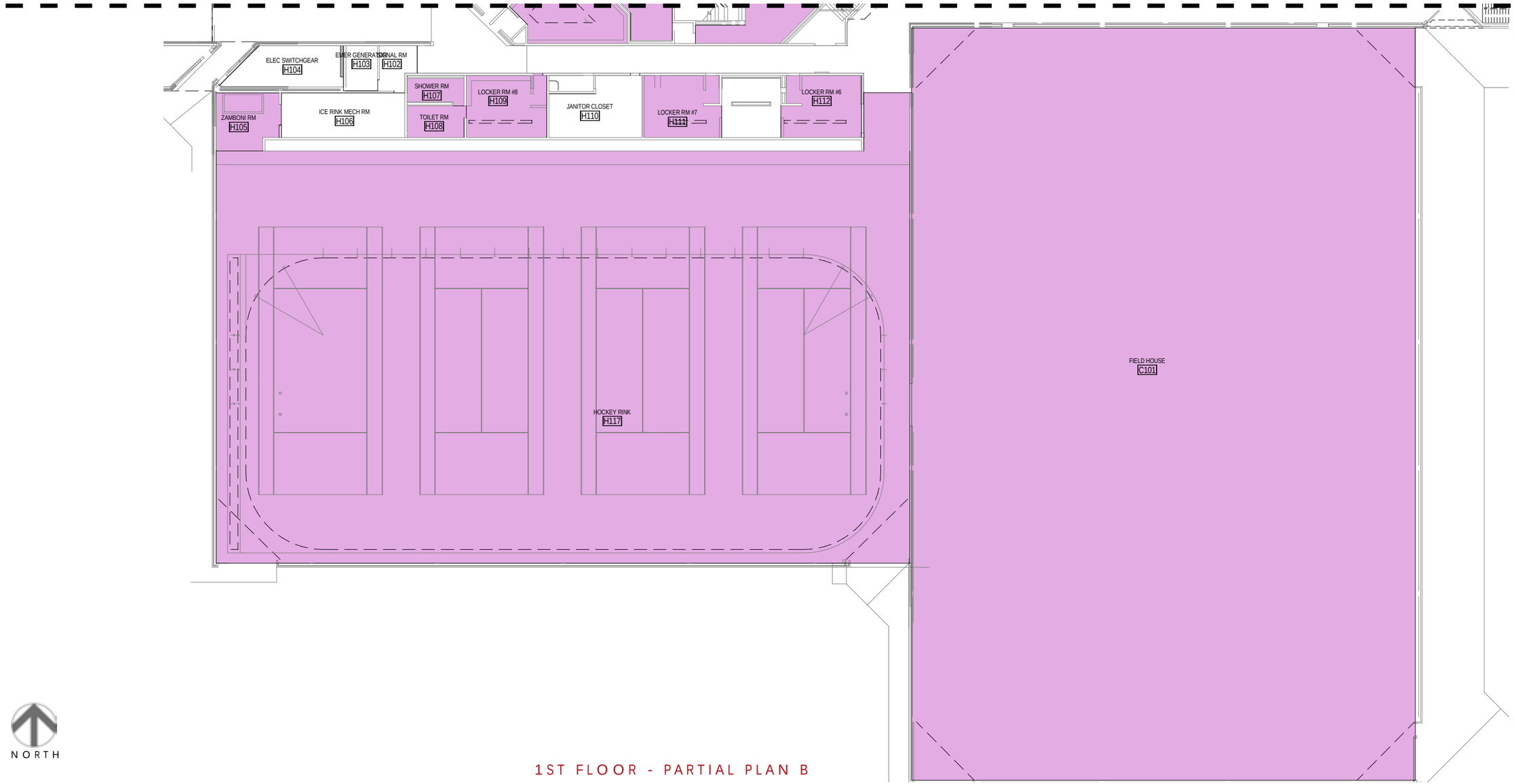
U S E P L A N

- Academic Services
- Assembly & Exhibition
- Building Services
- Class Laboratory
- Classroom / Class Lab Support
- Data Processing (IT)
- Department Faculty Office & Support
- Department General & Special Use
- Facilities / Central Plant
- General Administration
- General Administration - Office & Support
- Health and Physical Education
- Individual Study Lab
- Instruction General
- Library
- Non Assignable
- Organized Activities
- Public Service
- Research & Support
- Residence Facilities
- Student / Faculty Activities
- Student Services

1ST FLOOR - PARTIAL PLAN A

MAXCY HALL 005

U S E P L A N



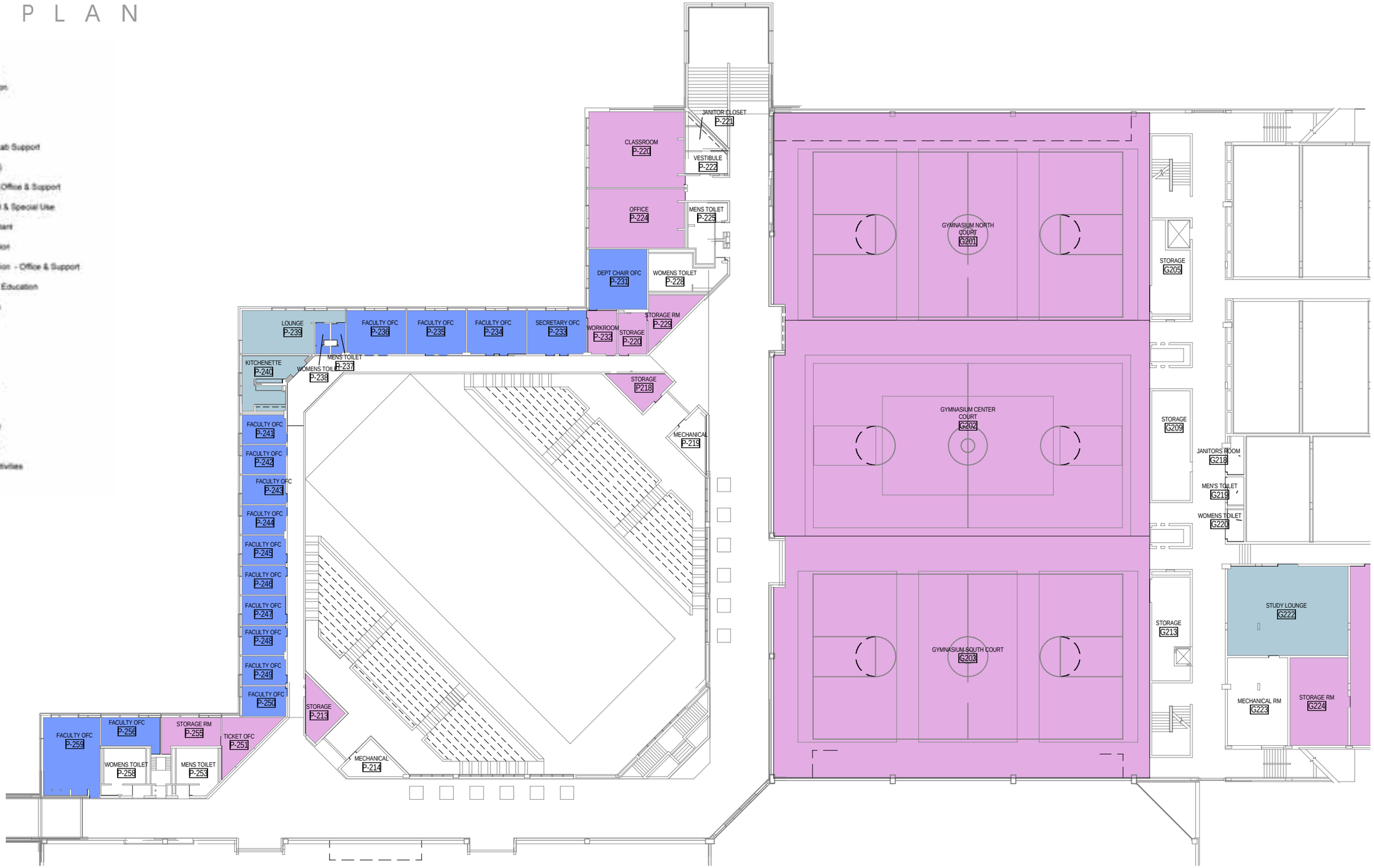
NORTH

1ST FLOOR - PARTIAL PLAN B

MAXCY HALL 005

U S E P L A N

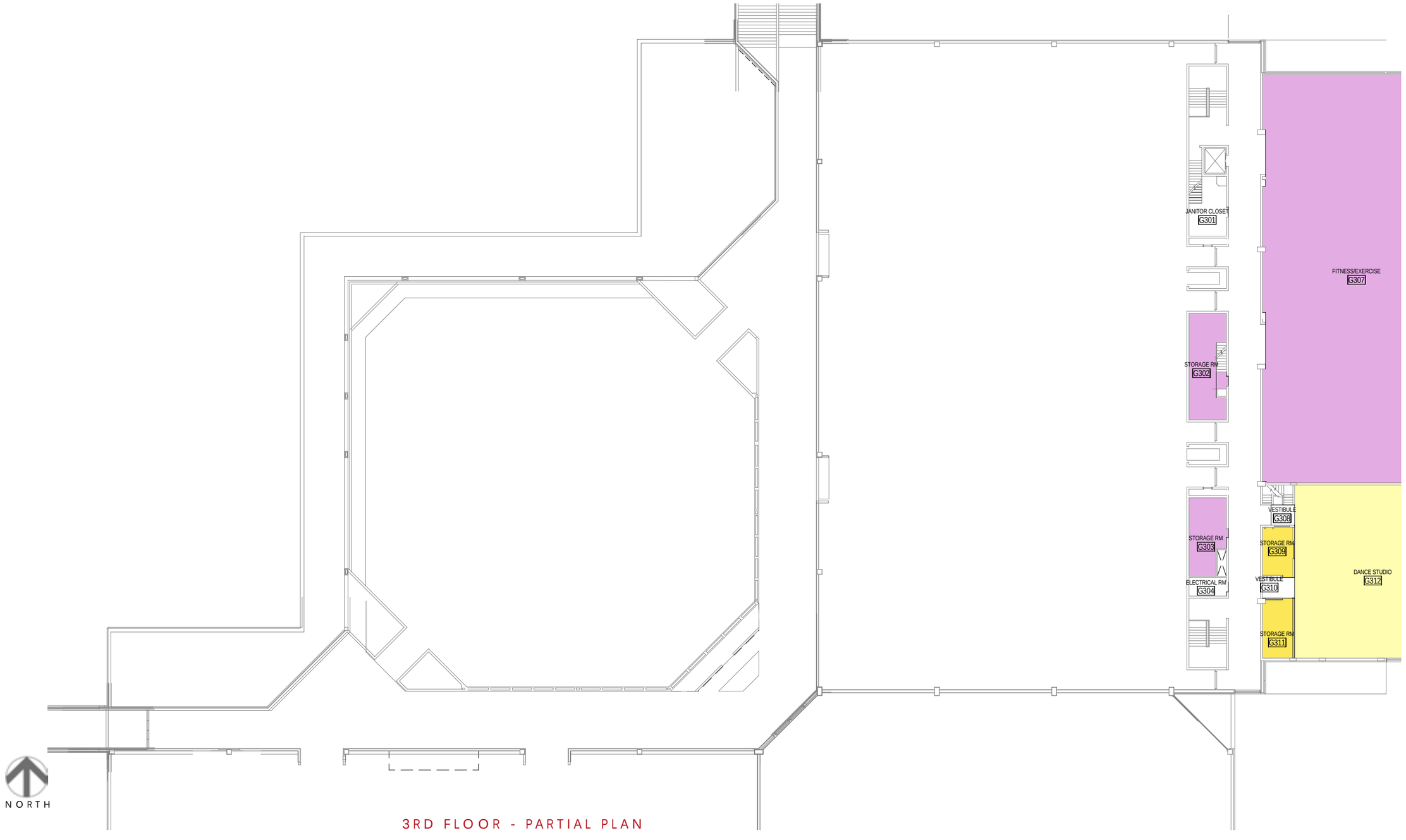
- Academic Services
- Assembly & Exhibition
- Building Services
- Class Laboratory
- Classroom / Class Lab Support
- Data Processing (IT)
- Department Faculty Office & Support
- Department General & Special Use
- Facilities / Central Plant
- General Administration
- General Administration - Office & Support
- Health and Physical Education
- Individual Study Lab
- Instruction General
- Library
- Non Assignable
- Organized Activities
- Public Service
- Research & Support
- Residence Facilities
- Student / Faculty Activities
- Student Services



2ND FLOOR - PARTIAL PLAN

MAXCY HALL 005

U S E P L A N



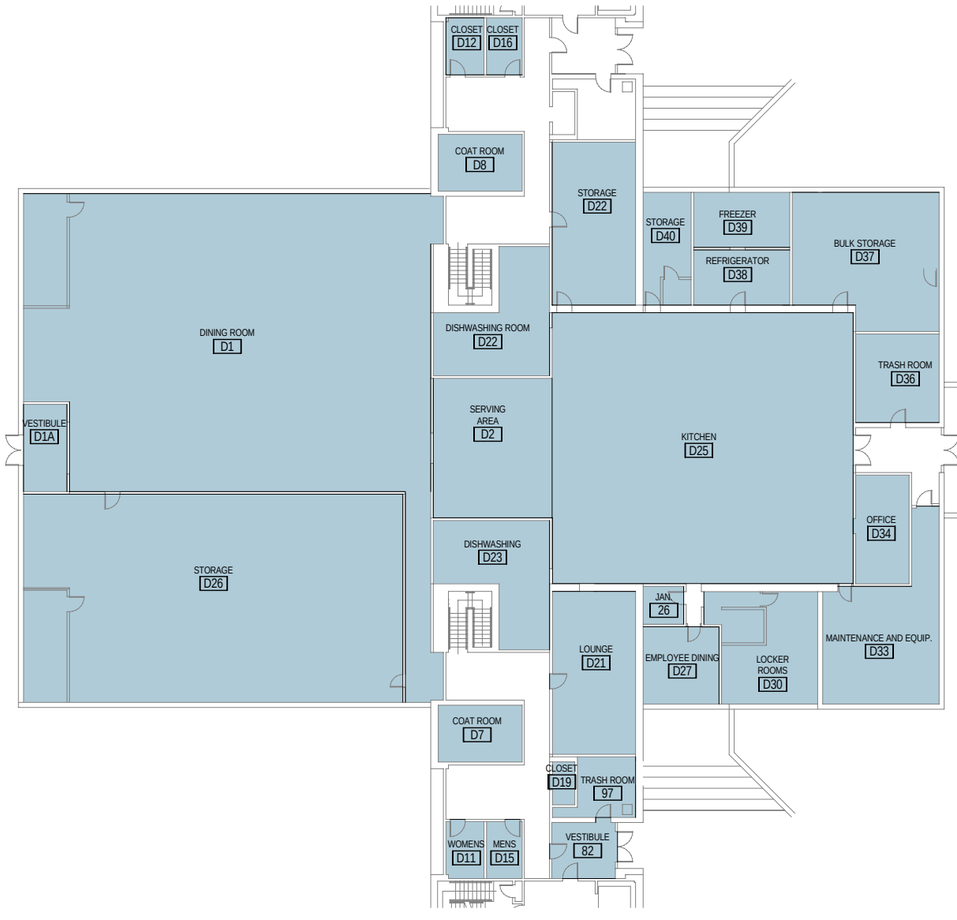
3RD FLOOR - PARTIAL PLAN

BOWMAN DINING HALL 007

U S E P L A N

BOWMAN DINING HALL 007

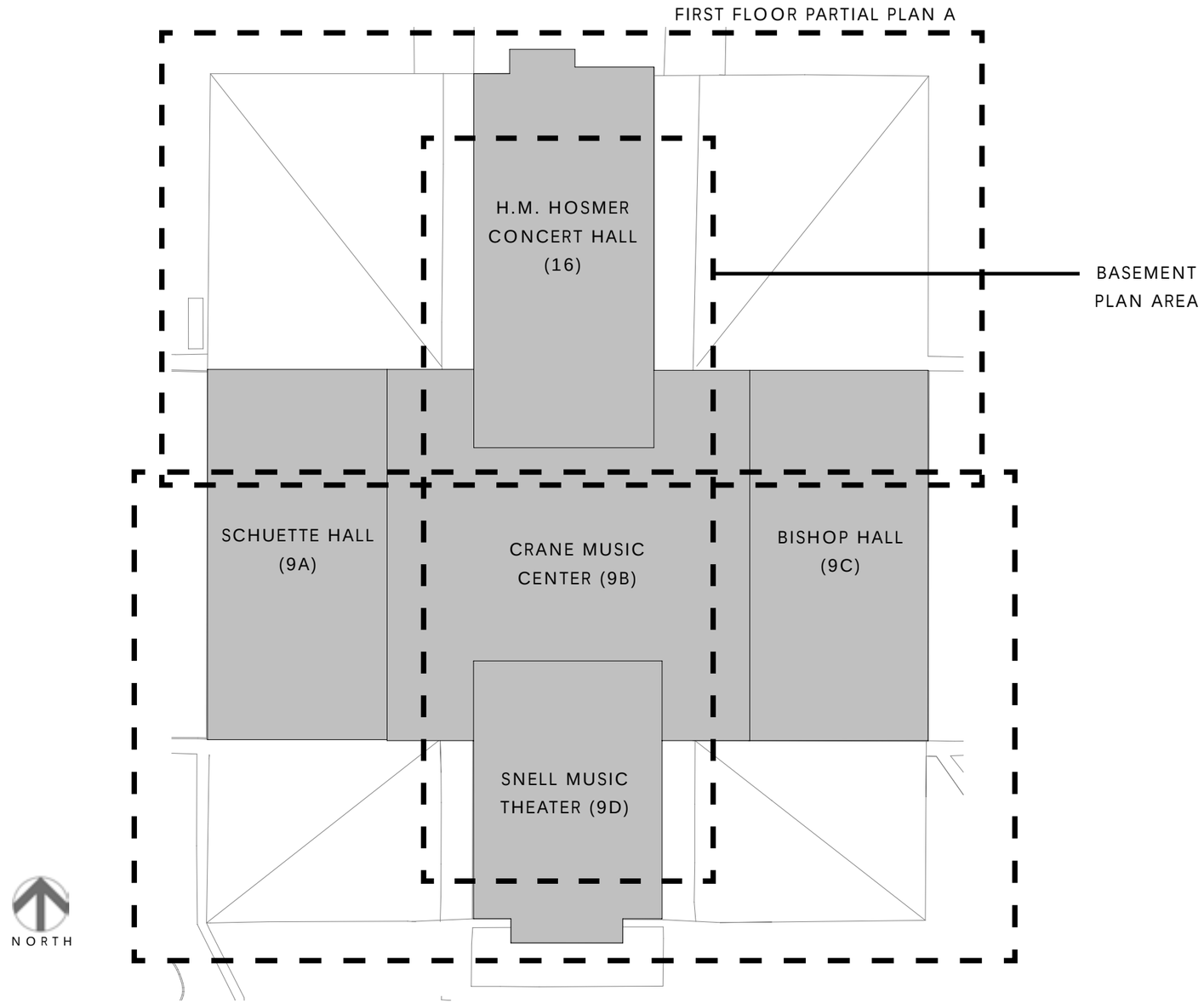
U S E P L A N



GROUND FLOOR

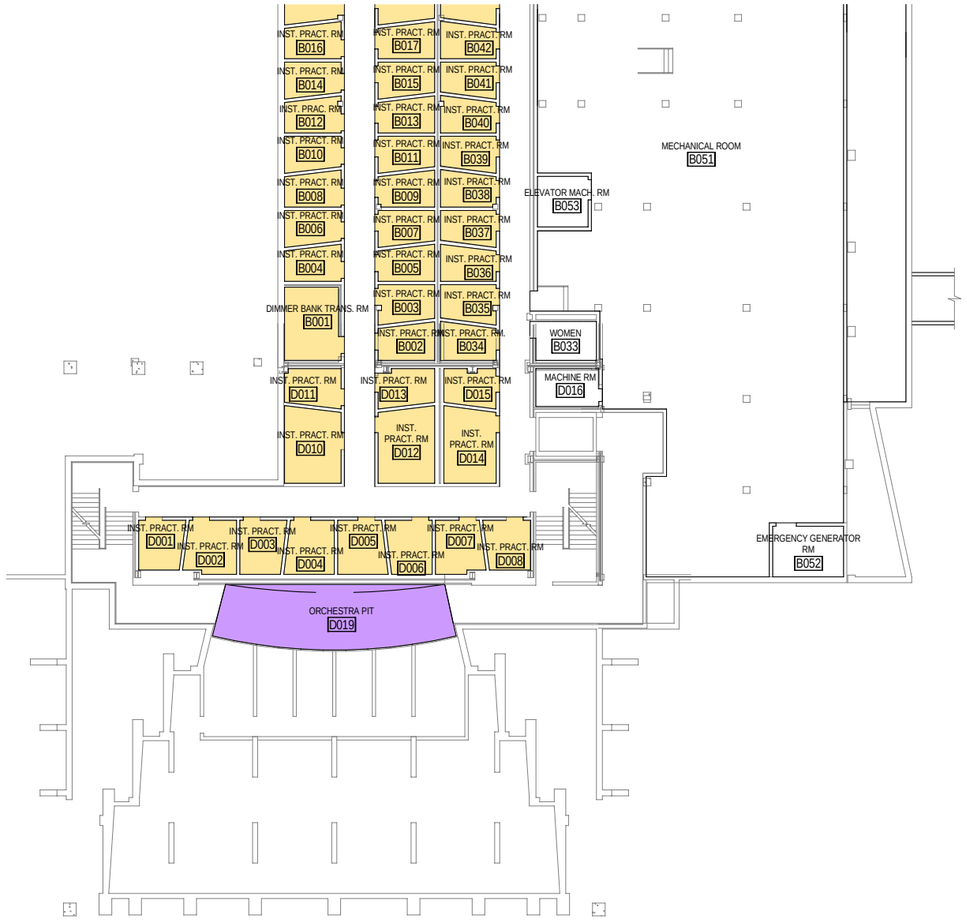
CRANE MUSIC COMPLEX 009A -009D & 016

U S E P L A N

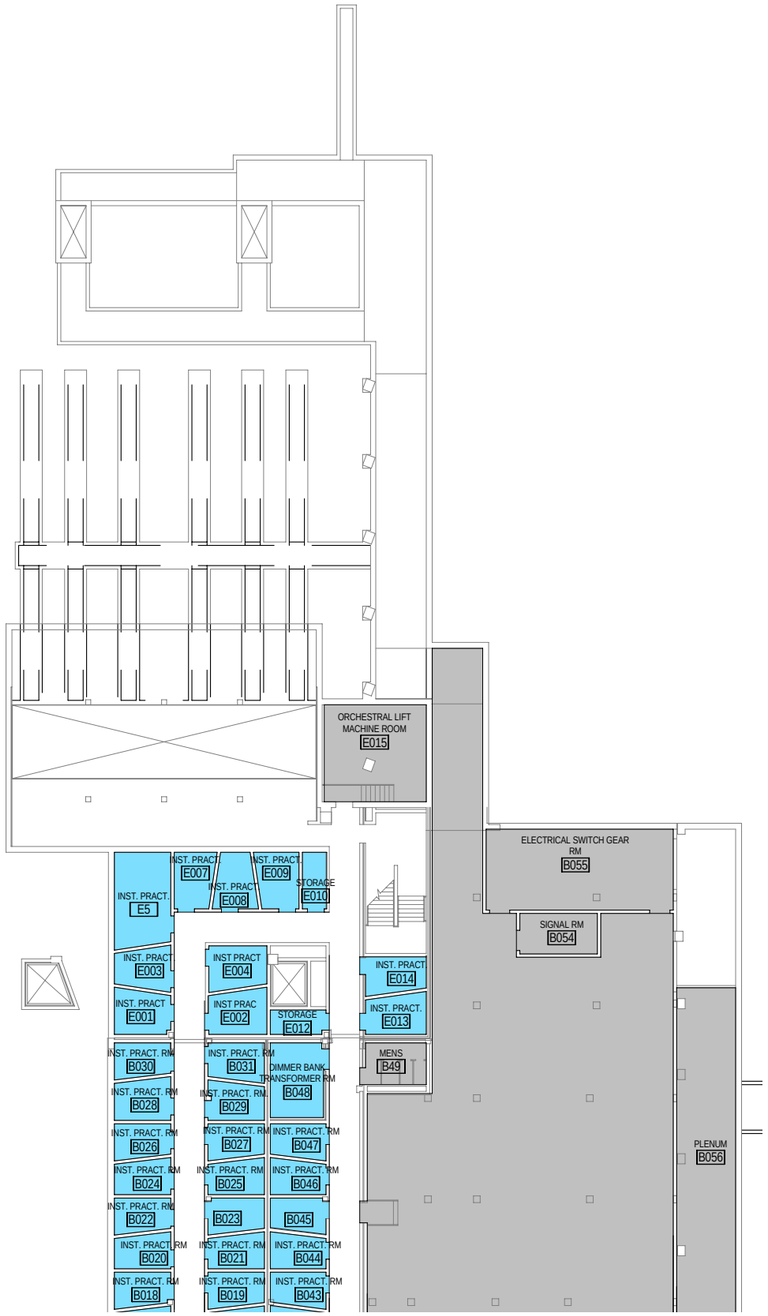


CRANE MUSIC COMPLEX 009A -009D & 016

U S E P L A N



BASEMENT LEVEL

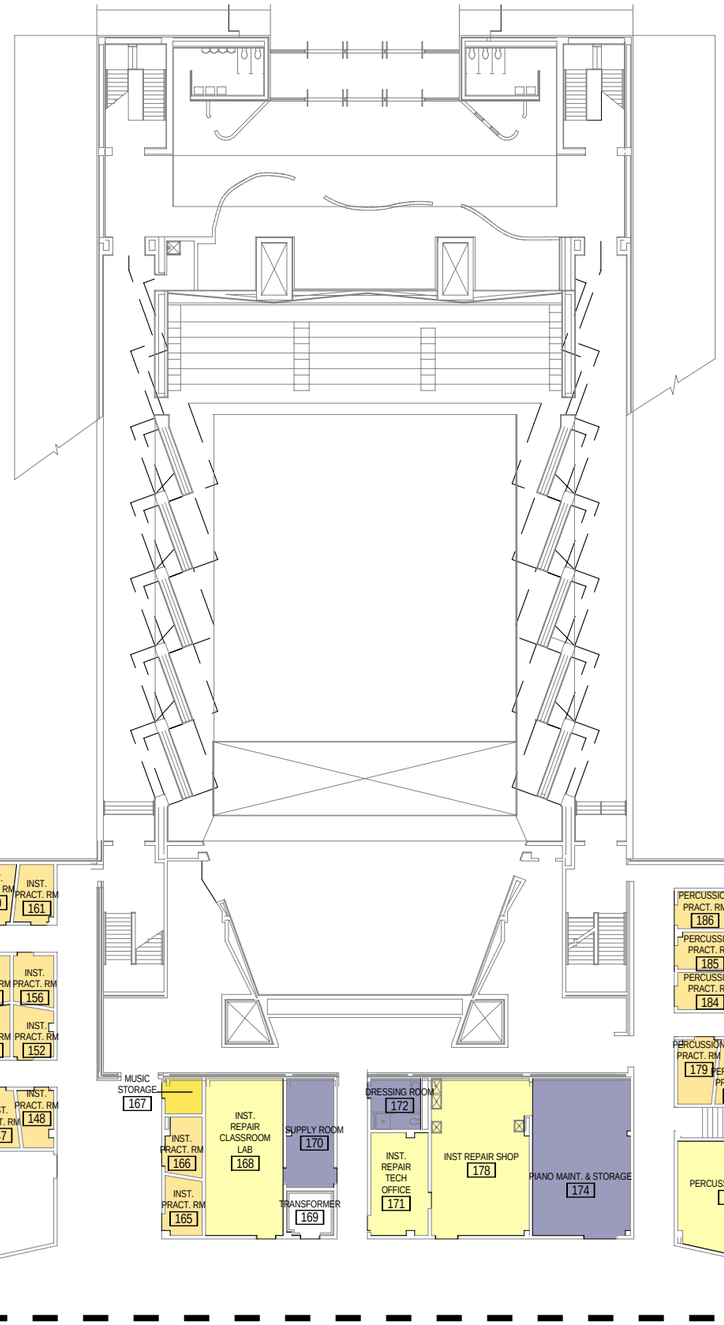


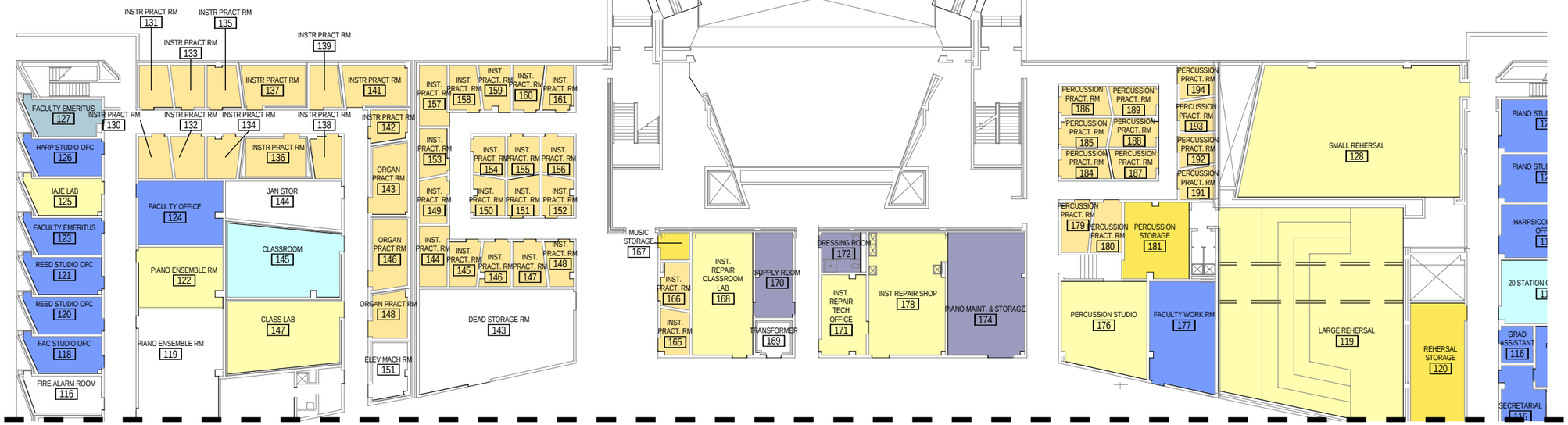
FACILITIES MASTER PLAN

CRANE MUSIC COMPLEX 009A -009D & 016

U S E P L A N

- Academic Services
- Assembly & Exhibition
- Building Services
- Class Laboratory
- Classroom / Class Lab Support
- Data Processing (IT)
- Department Faculty Office & Support
- Department General & Special Use
- Facilities / Central Plant
- General Administration
- General Administration - Office & Support
- Health and Physical Education
- Individual Study Lab
- Instruction General
- Library
- Non Assignable
- Organized Activities
- Public Service
- Research & Support
- Residence Facilities
- Student / Faculty Activities
- Student Services



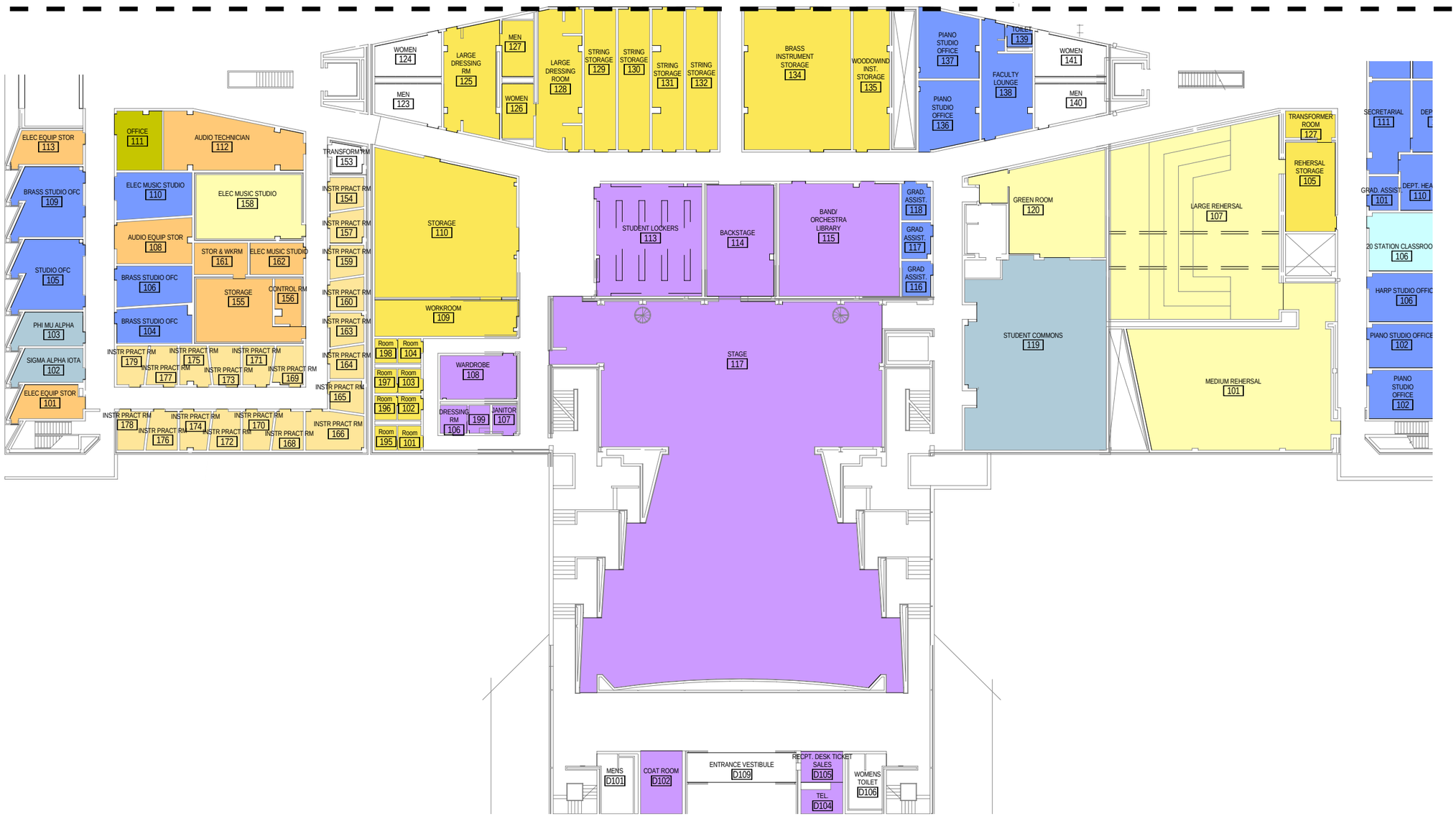


SUNY POTSDAM

1ST FLOOR - PARTIAL PLAN A

CRANE MUSIC COMPLEX 009A -009D & 016

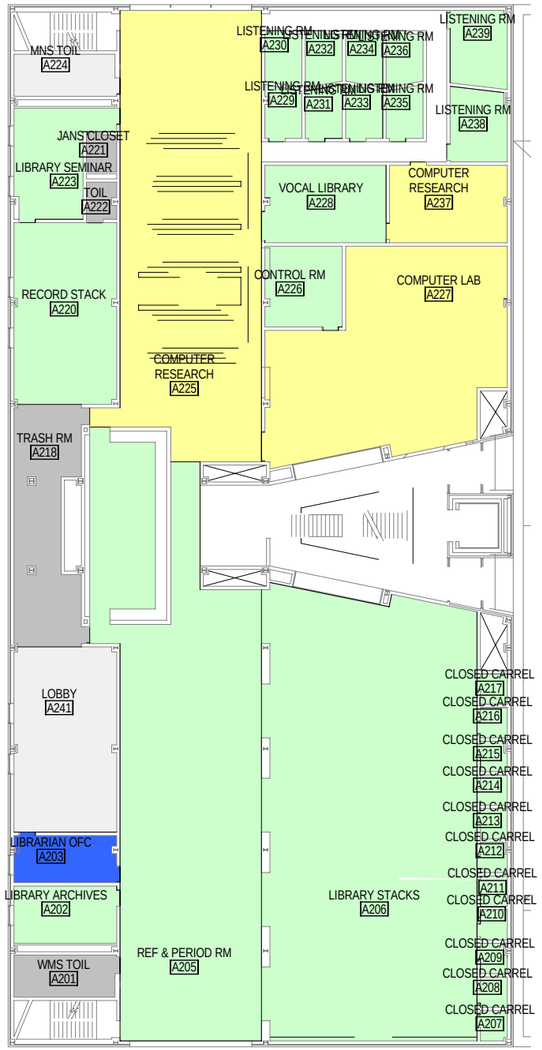
U S E P L A N



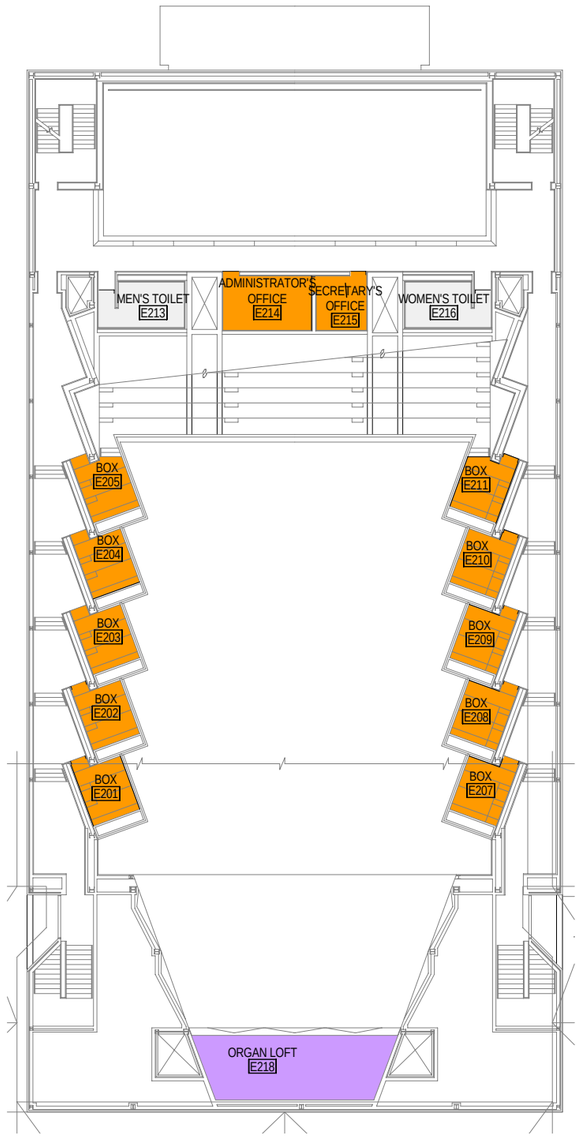
1ST FLOOR - PARTIAL PLAN B

CRANE MUSIC COMPLEX 009A -009D & 016

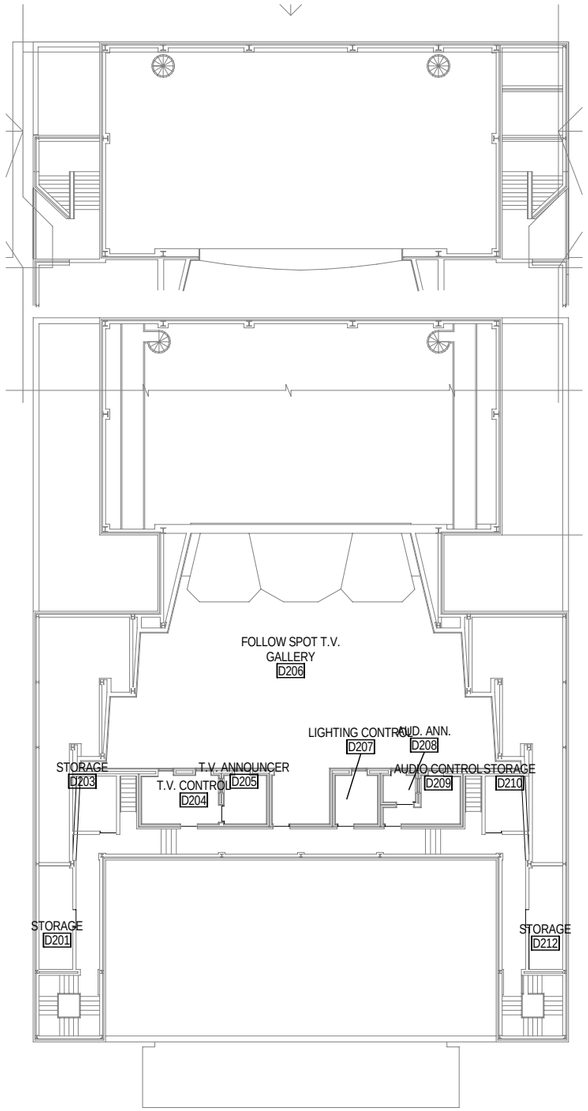
U S E P L A N



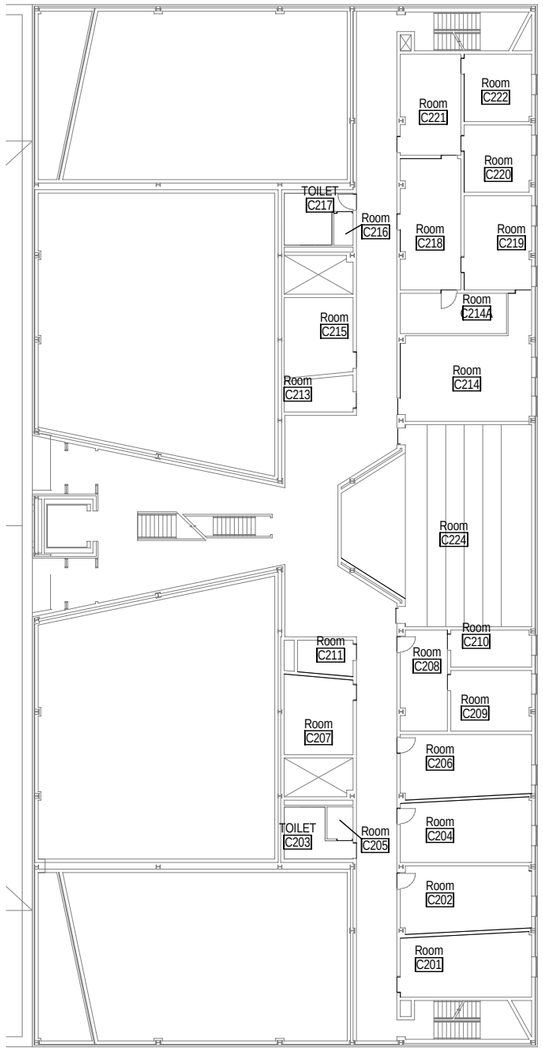
SCHUETTE HALL -2ND FLOOR



H.M. HOSMER CONCERT HALL - 2ND FLOOR



SNELL MUSIC THEATHER - 2ND FLOOR

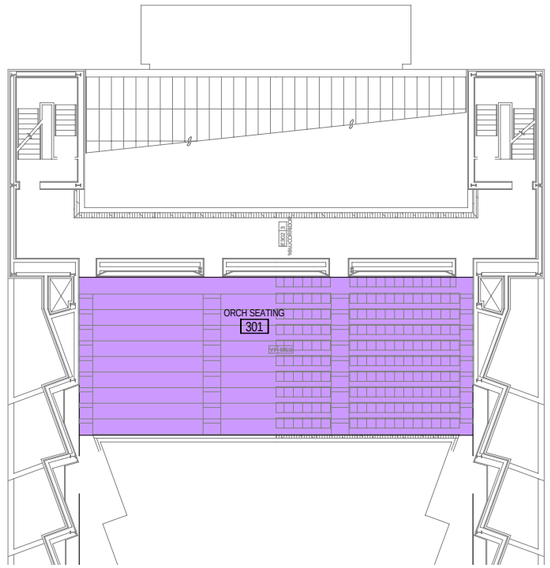


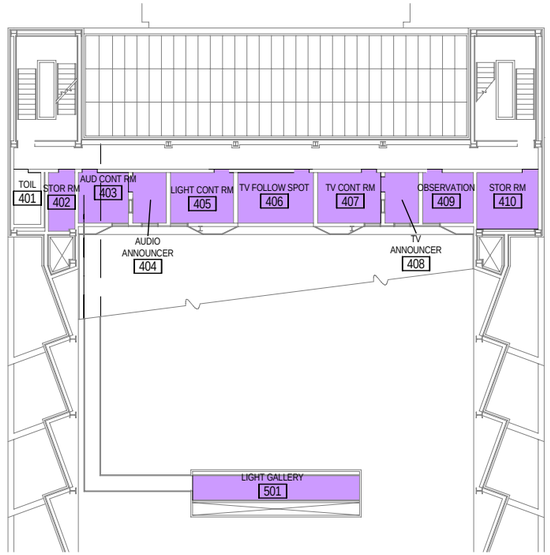
BISHOP HALL - 2ND FLOOR

CRANE MUSIC COMPLEX 009A -009D & 016

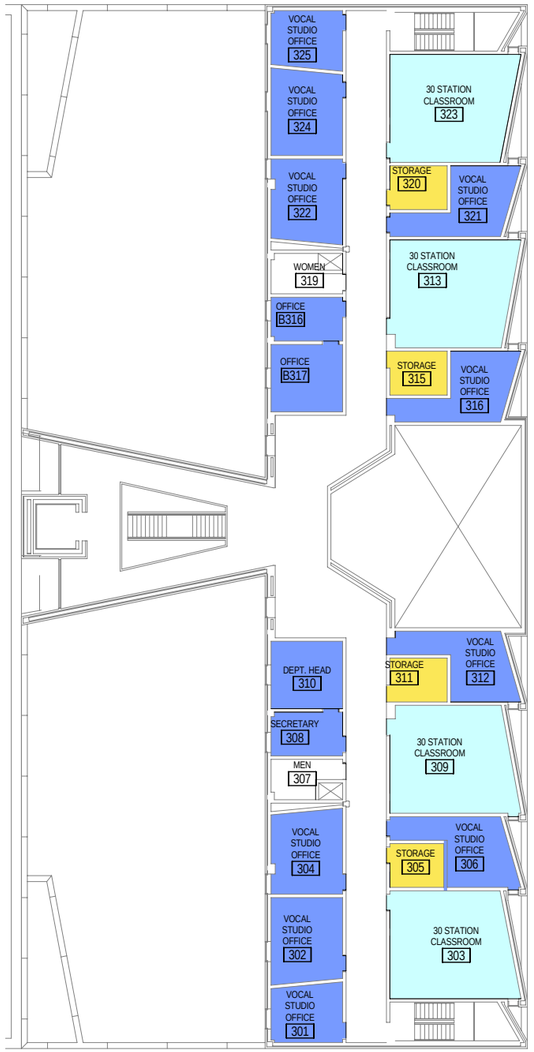
U S E P L A N

SCHUETTE HALL -
3RD FLOOR





SNELL MUSIC THEATER -
3RD FLOOR



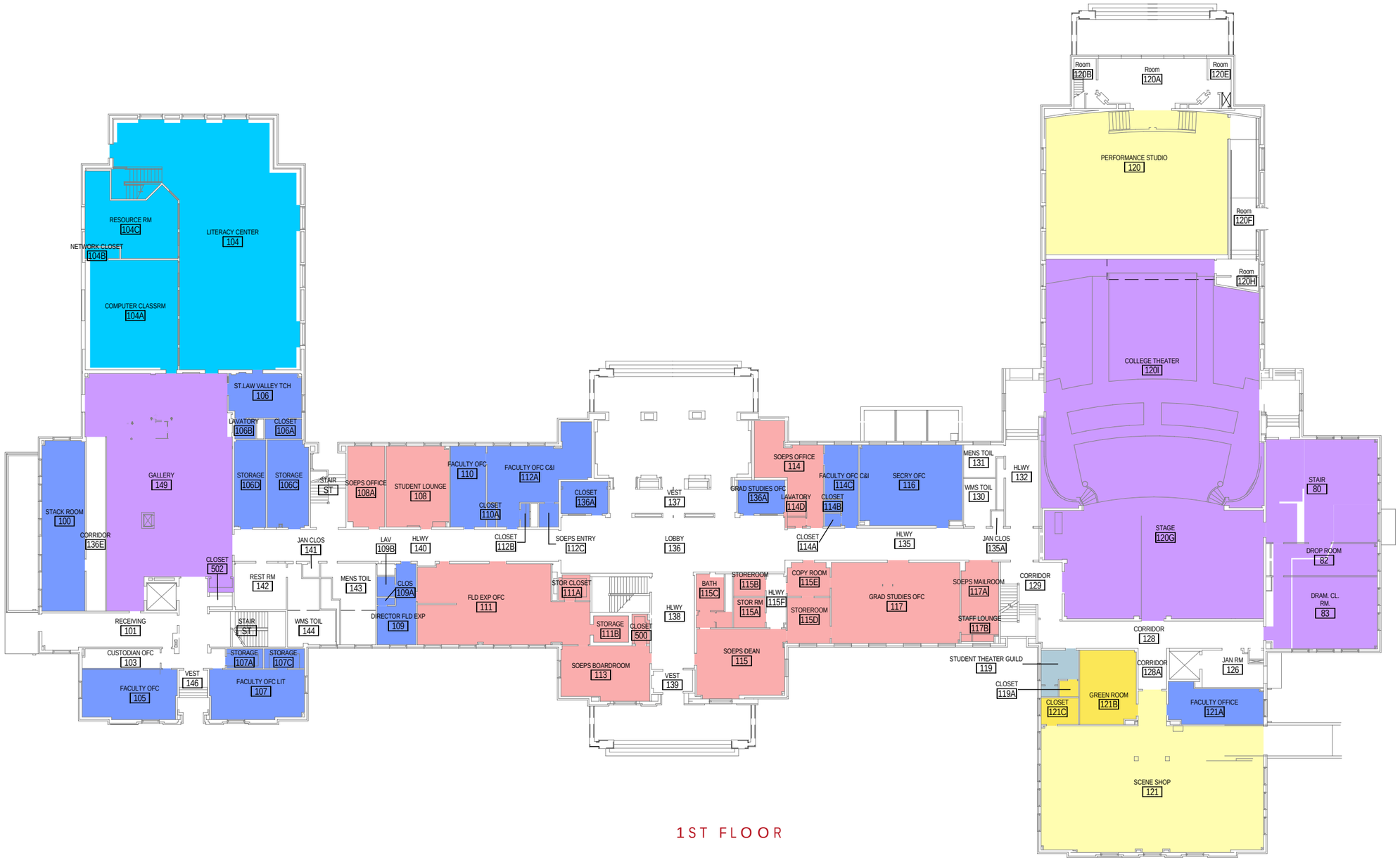
BISHOP HALL -
3RD FLOOR

SATTERLEE HALL 010

U S E P L A N

SATTERLEE HALL 010

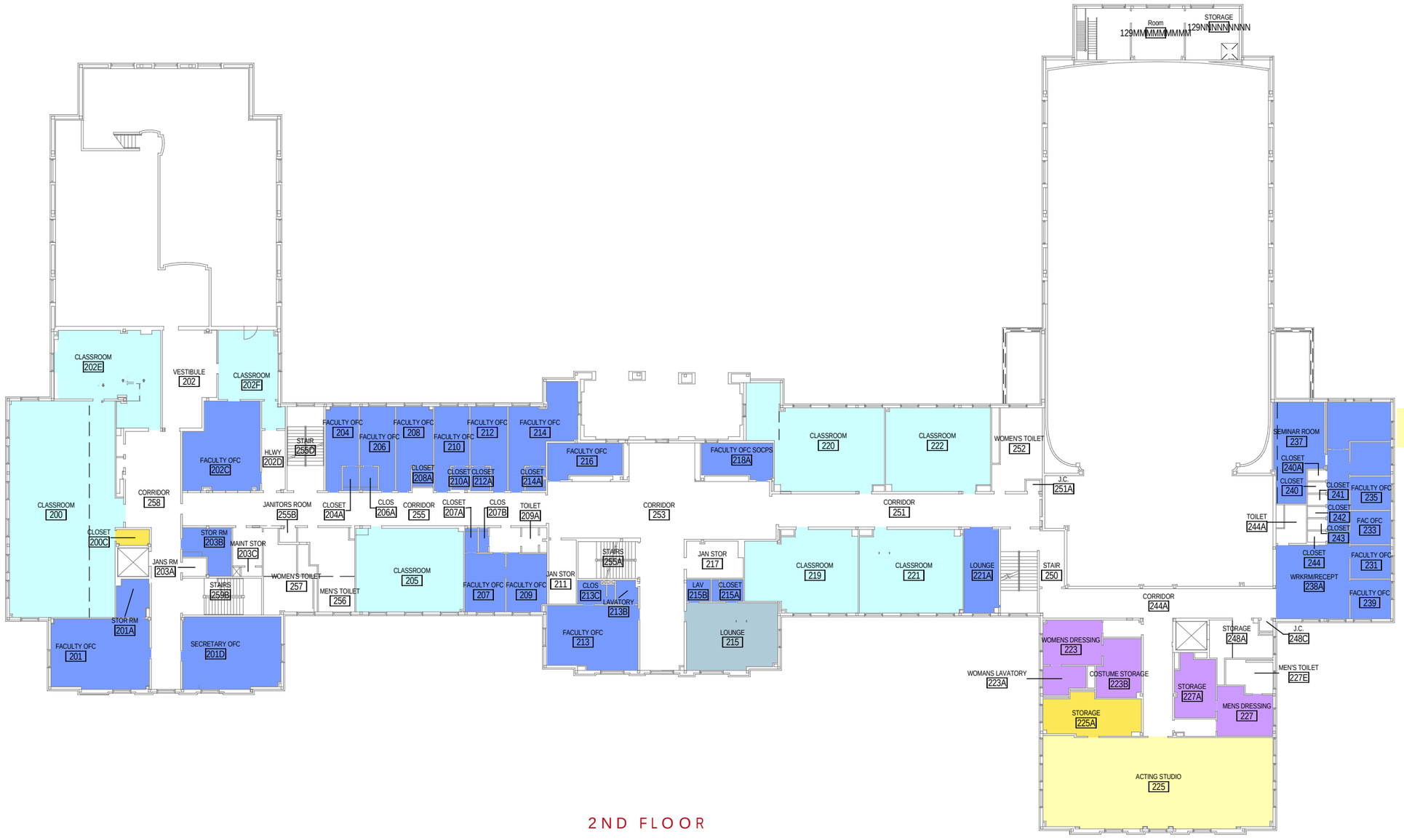
U S E P L A N



1ST FLOOR

SATTERLEE HALL 010

U S E P L A N



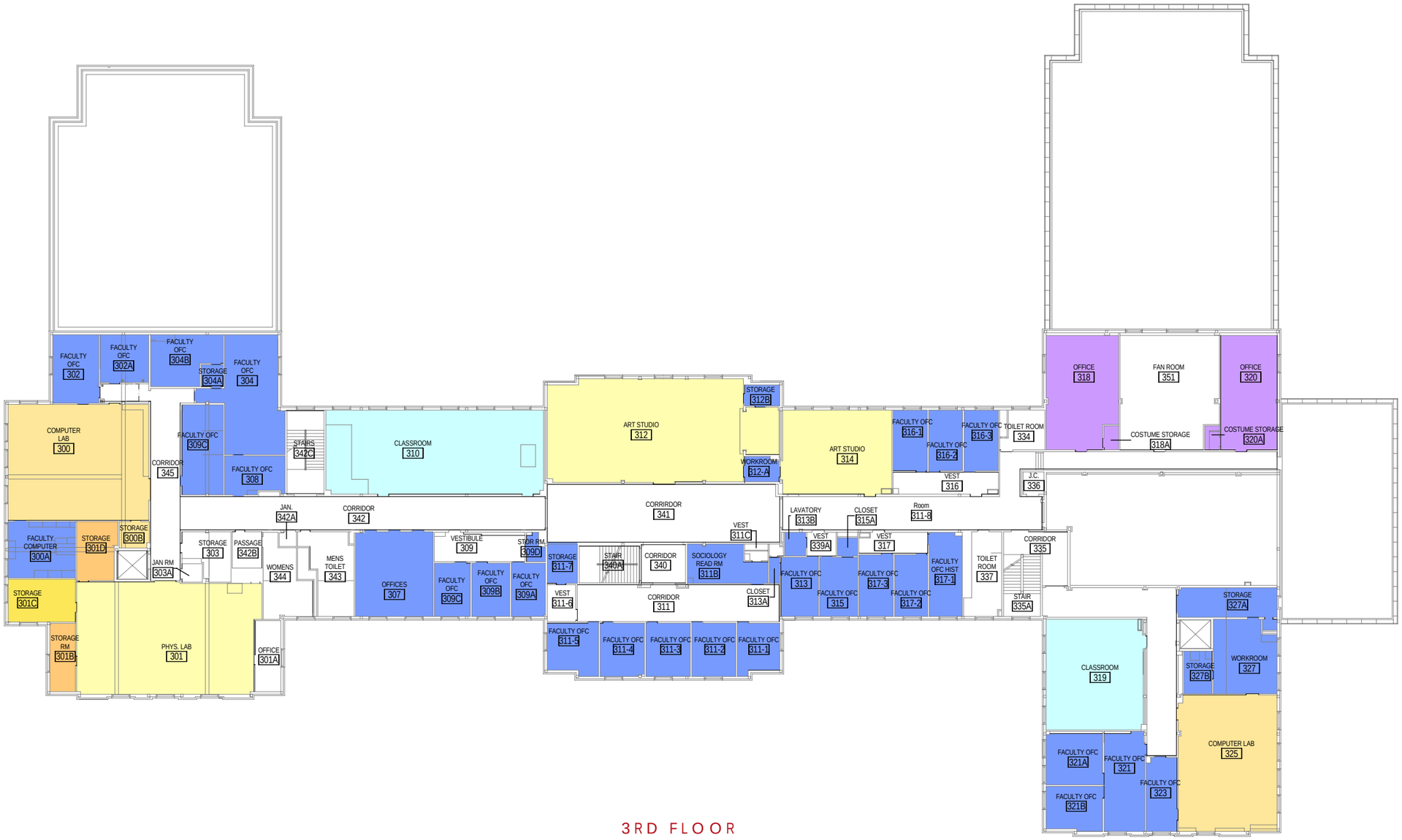
- Academic Services
- Assembly & Exhibition
- Building Services
- Class Laboratory
- Classroom / Class Lab Support
- Data Processing (IT)
- Department Faculty Office & Support
- Department General & Special Use
- Facilities / Central Plant
- General Administration
- General Administration - Office & Support
- Health and Physical Education
- Individual Study Lab
- Instruction General
- Library
- Non Assignable
- Organized Activities
- Public Service
- Research & Support
- Residence Facilities
- Student / Faculty Activities
- Student Services

2ND FLOOR

SUNY POTSDAM

SATTERLEE HALL 010

U S E P L A N

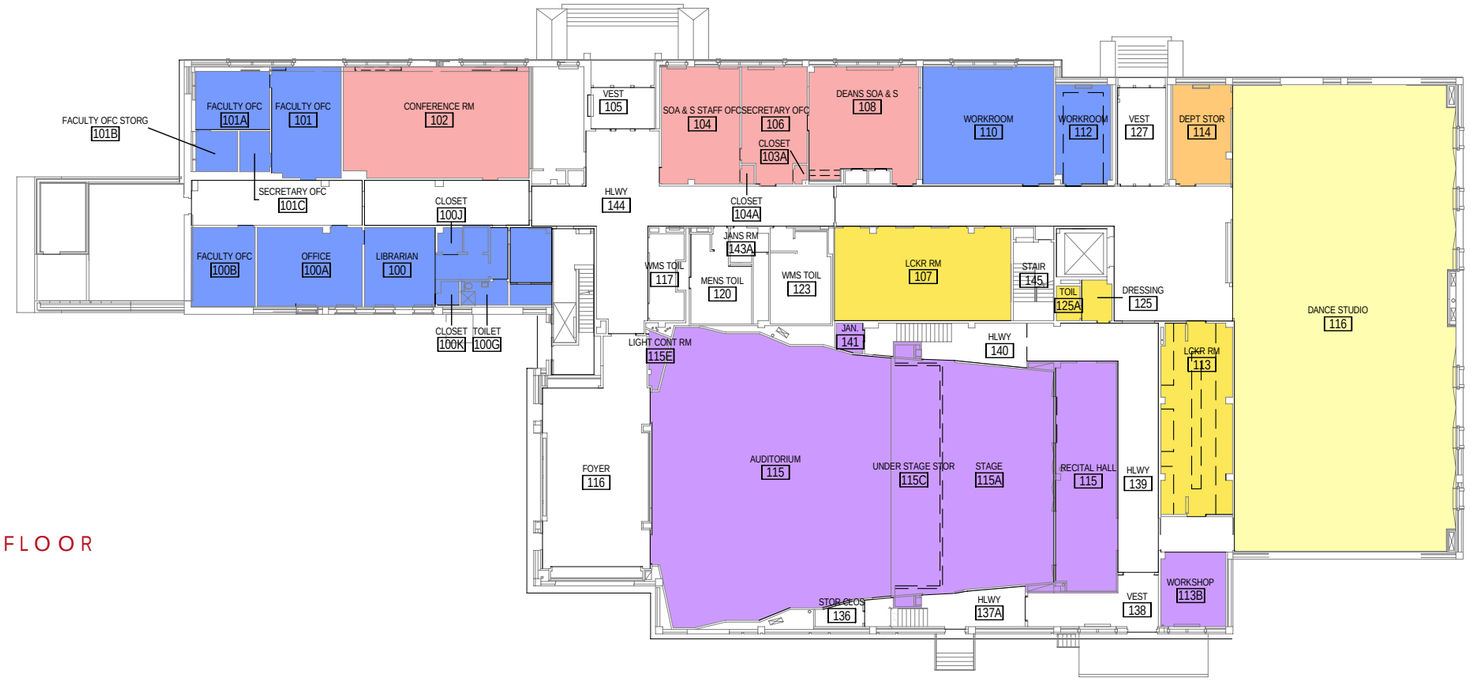


3RD FLOOR

DUNN HALL 011

U S E P L A N

- Academic Services
- Assembly & Exhibition
- Building Services
- Class Laboratory
- Classroom / Class Lab Support
- Data Processing (IT)
- Department Faculty Office & Support
- Department General & Special Use
- Facilities / Central Plant
- General Administration
- General Administration - Office & Support
- Health and Physical Education
- Individual Study Lab
- Instruction General
- Library
- Non Assignable
- Organized Activities
- Public Service
- Research & Support
- Residence Facilities
- Student / Faculty Activities
- Student Services

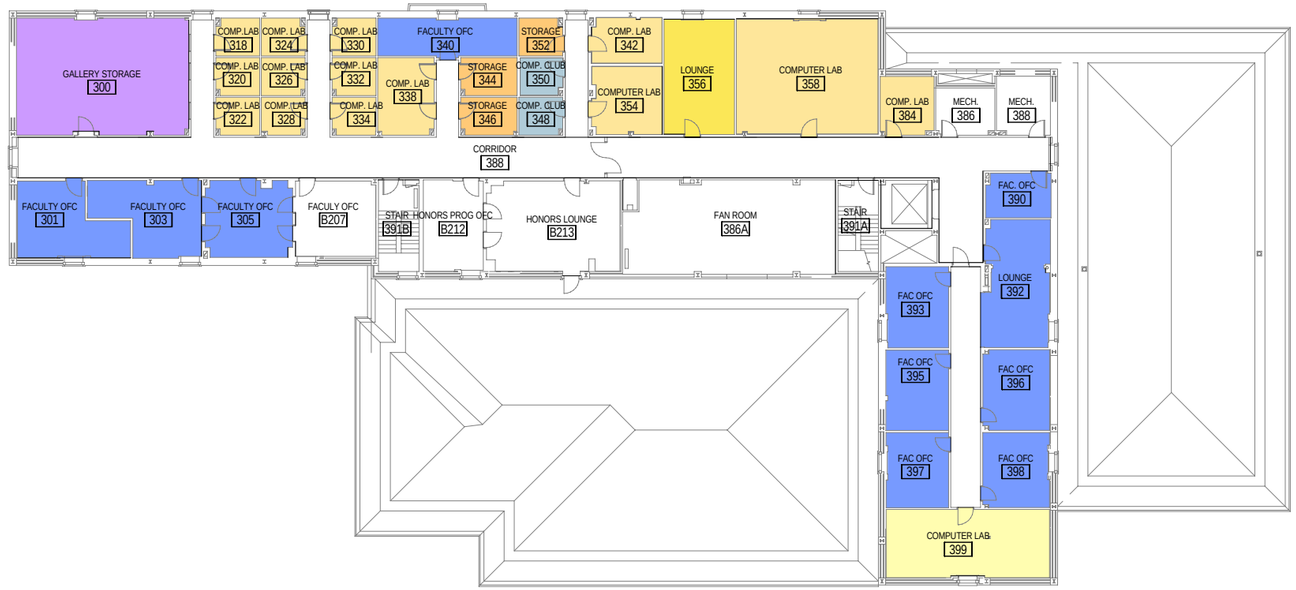


1ST FLOOR

DUNN HALL 011

U S E P L A N

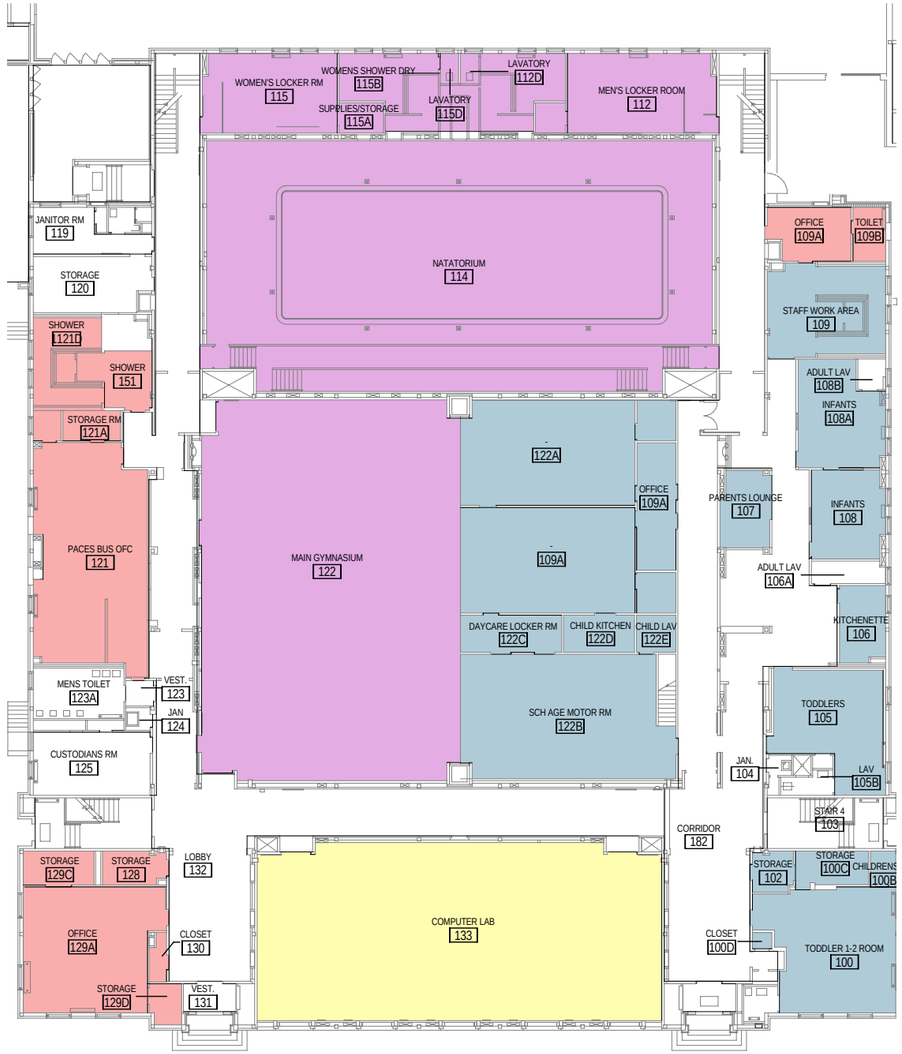
2ND FLOOR



3RD FLOOR

MERRITT HALL 012

U S E P L A N



FIRST FLOOR

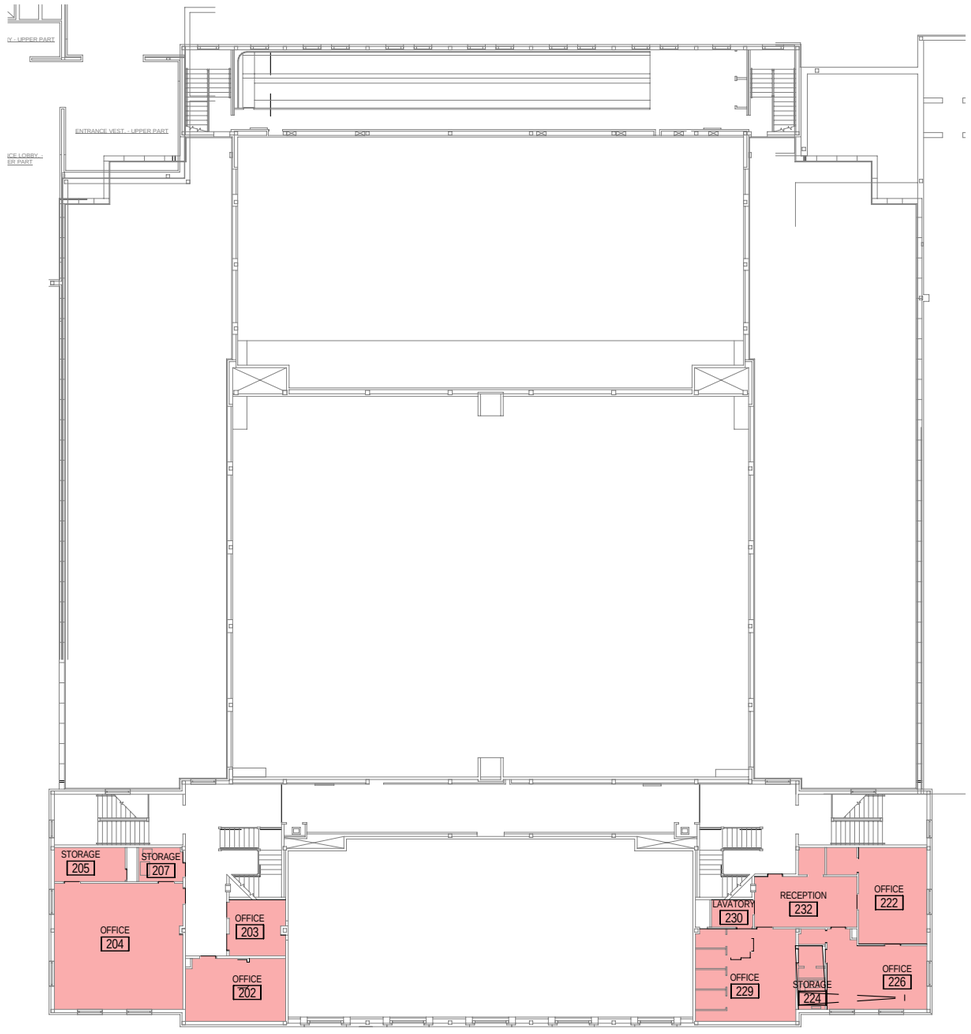
- Academic Services
- Assembly & Exhibition
- Building Services
- Class Laboratory
- Classroom / Class Lab Support
- Data Processing (IT)
- Department Faculty Office & Support
- Department General & Special Use
- Facilities / Central Plant
- General Administration
- General Administration - Office & Support
- Health and Physical Education
- Individual Study Lab
- Instruction General
- Library
- Non Assignable
- Organized Activities
- Public Service
- Research & Support
- Residence Facilities
- Student / Faculty Activities
- Student Services

NORTH

SUNY POTSDAM

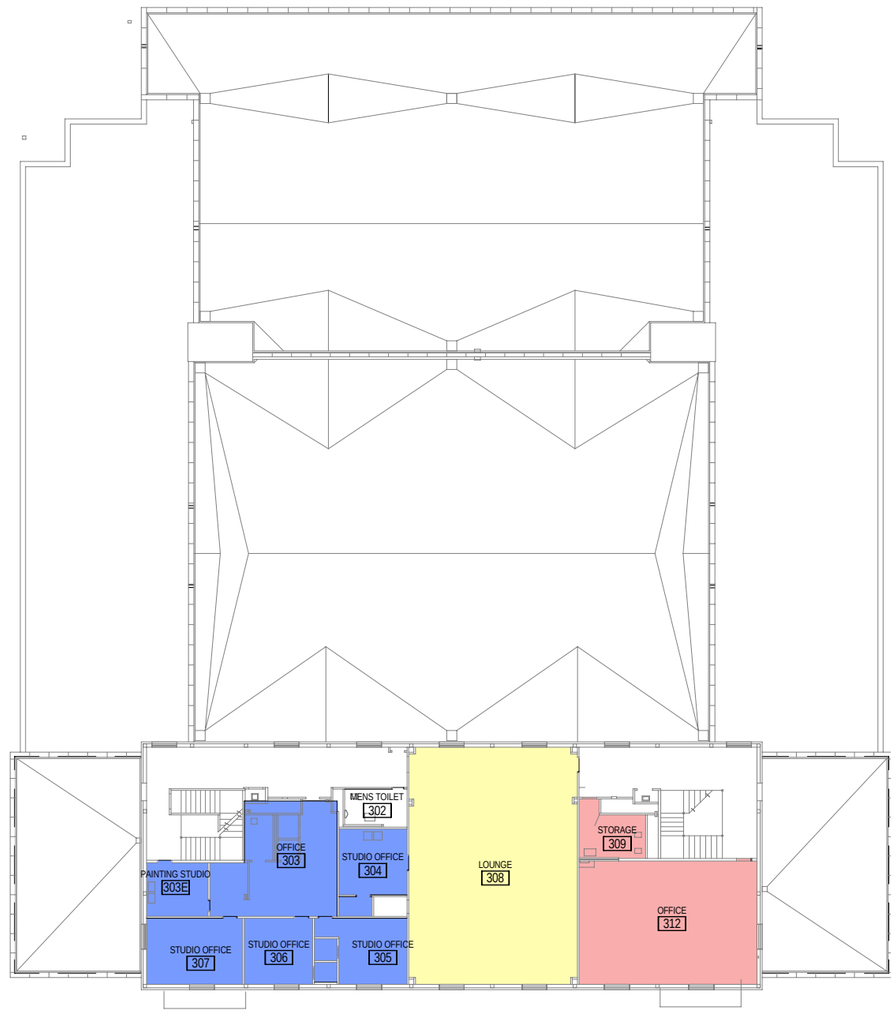
MERRITT HALL 012

U S E P L A N



NORTH

SECOND FLOOR



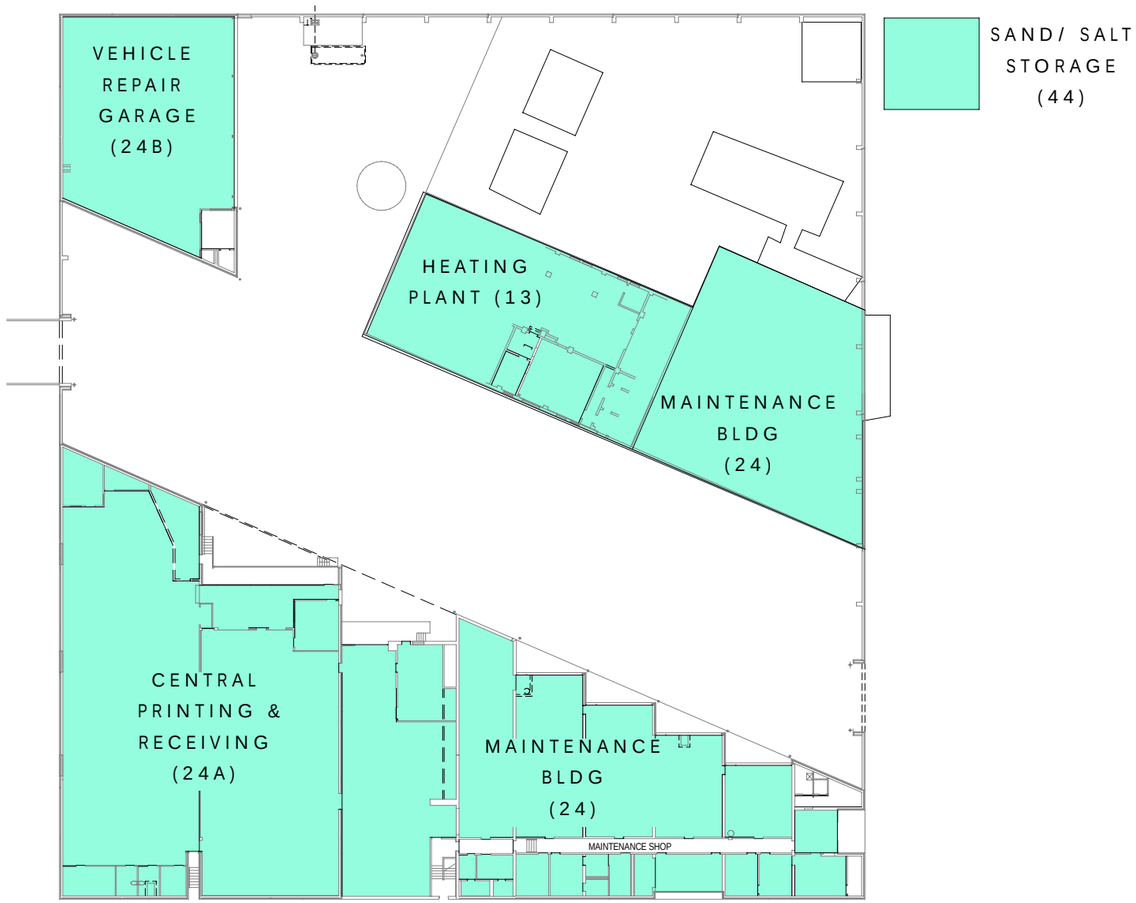
THIRD FLOOR

SERVICES 013,024,024A,024B & 044

U S E P L A N

SERVICES 013,024,024A,024B & 044

U S E P L A N



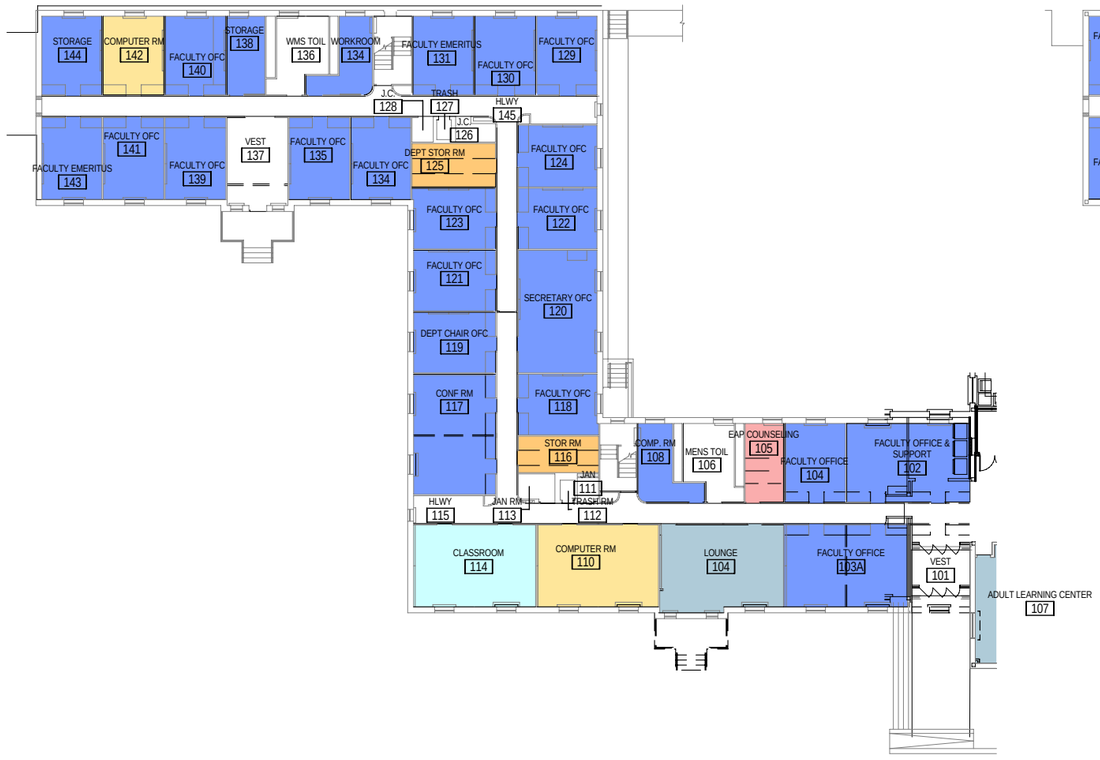
1ST FLOOR

MOREY HALL 015A

U S E P L A N

MOREY HALL 015A

U S E P L A N



1ST FLOOR

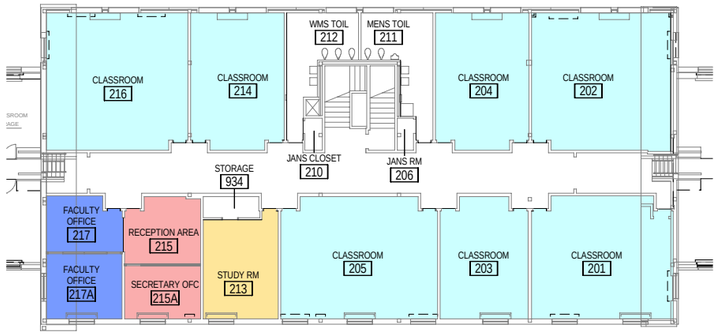
2ND FLOOR

CARSON HALL 015B

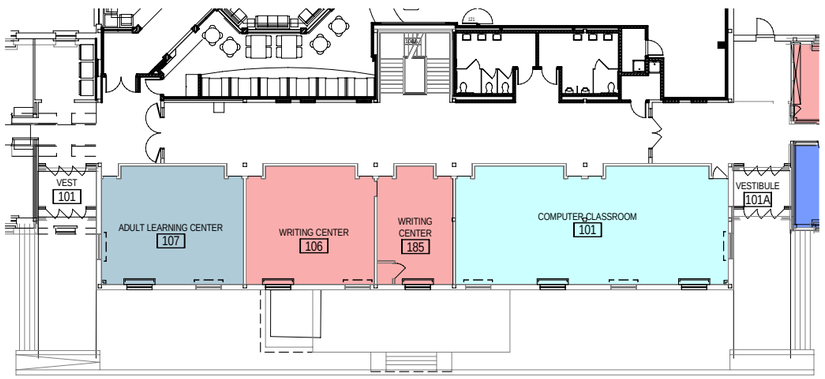
USE PLAN

CARSON HALL 015B

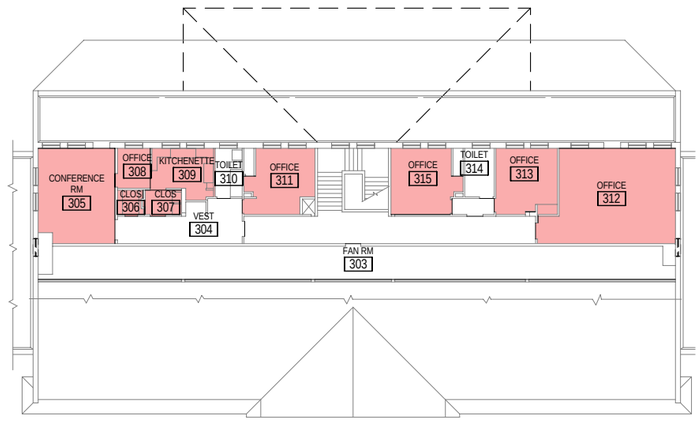
U S E P L A N



2ND FLOOR



1ST FLOOR



3RD FLOOR

MACVICAR HALL 015C

U S E P L A N

MACVICAR HALL 015C

U S E P L A N

1ST FLOOR

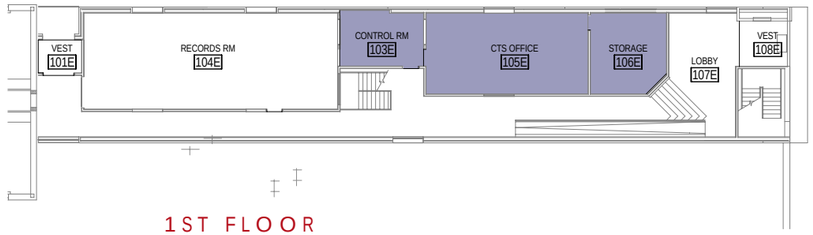
2ND FLOOR

STILLMAN COMPUTER CENTER 015D

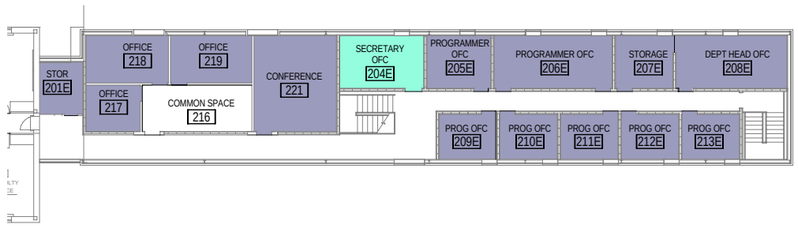
U S E P L A N

STILLMAN COMPUTER CENTER 015D

U S E P L A N



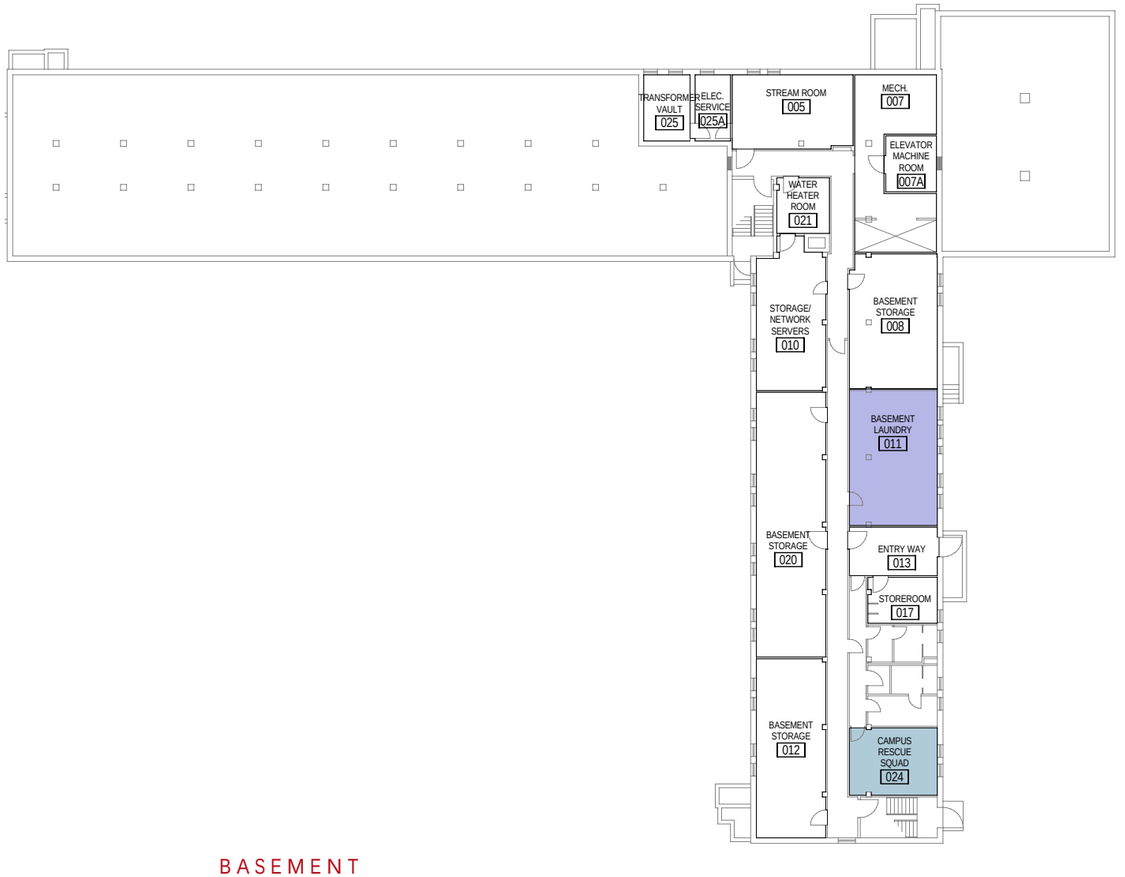
1ST FLOOR



2ND FLOOR

SISSON HALL 017

USE PLAN

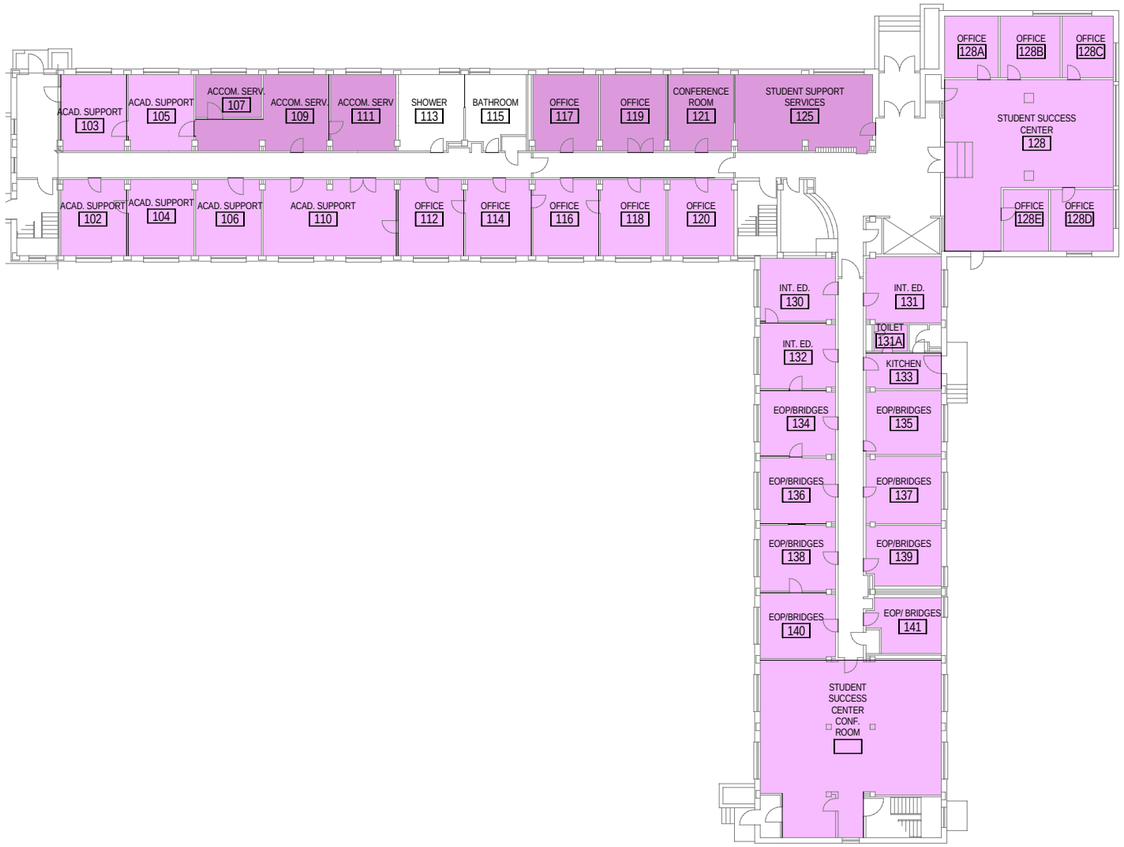


BASEMENT

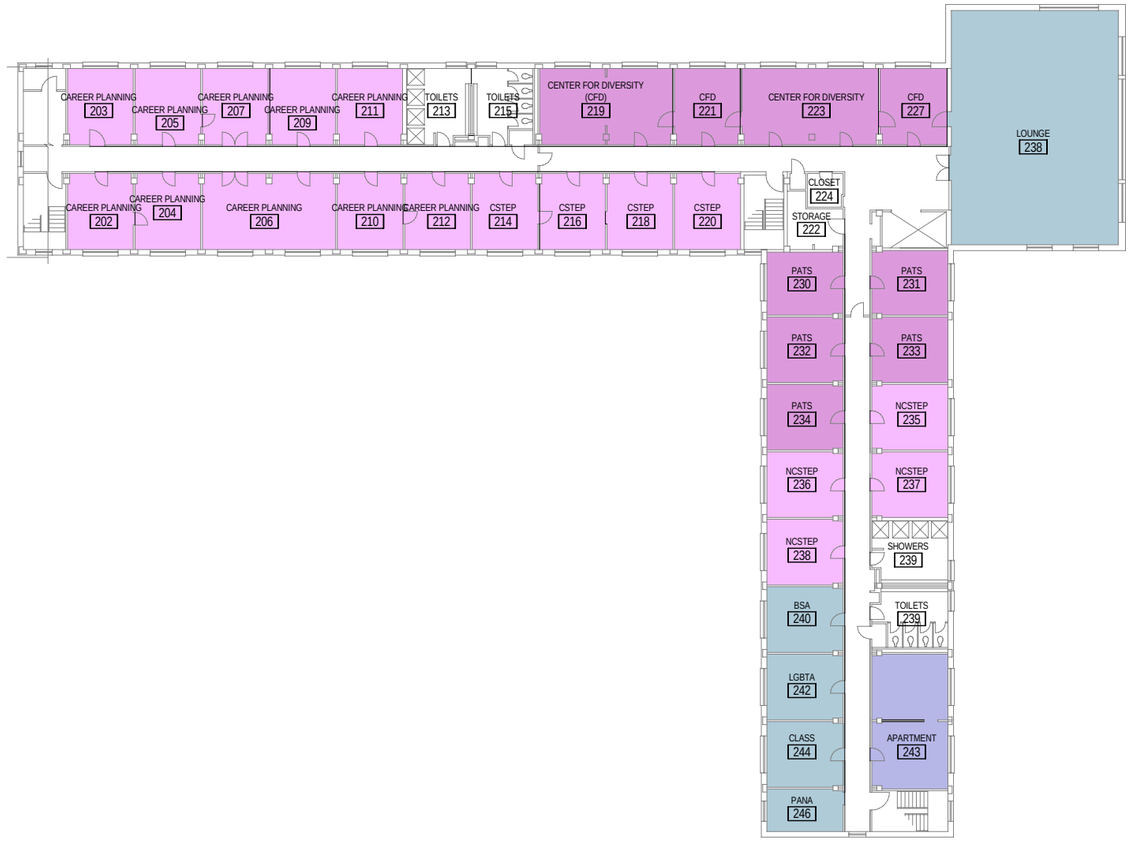
- Academic Services
- Assembly & Exhibition
- Building Services
- Class Laboratory
- Classroom / Class Lab Support
- Data Processing (IT)
- Department Faculty Office & Support
- Department General & Special Use
- Facilities / Central Plant
- General Administration
- General Administration - Office & Support
- Health and Physical Education
- Individual Study Lab
- Instruction General
- Library
- Non Assignable
- Organized Activities
- Public Service
- Research & Support
- Residence Facilities
- Student / Faculty Activities
- Student Services

SISSON HALL 017

U S E P L A N



1ST FLOOR



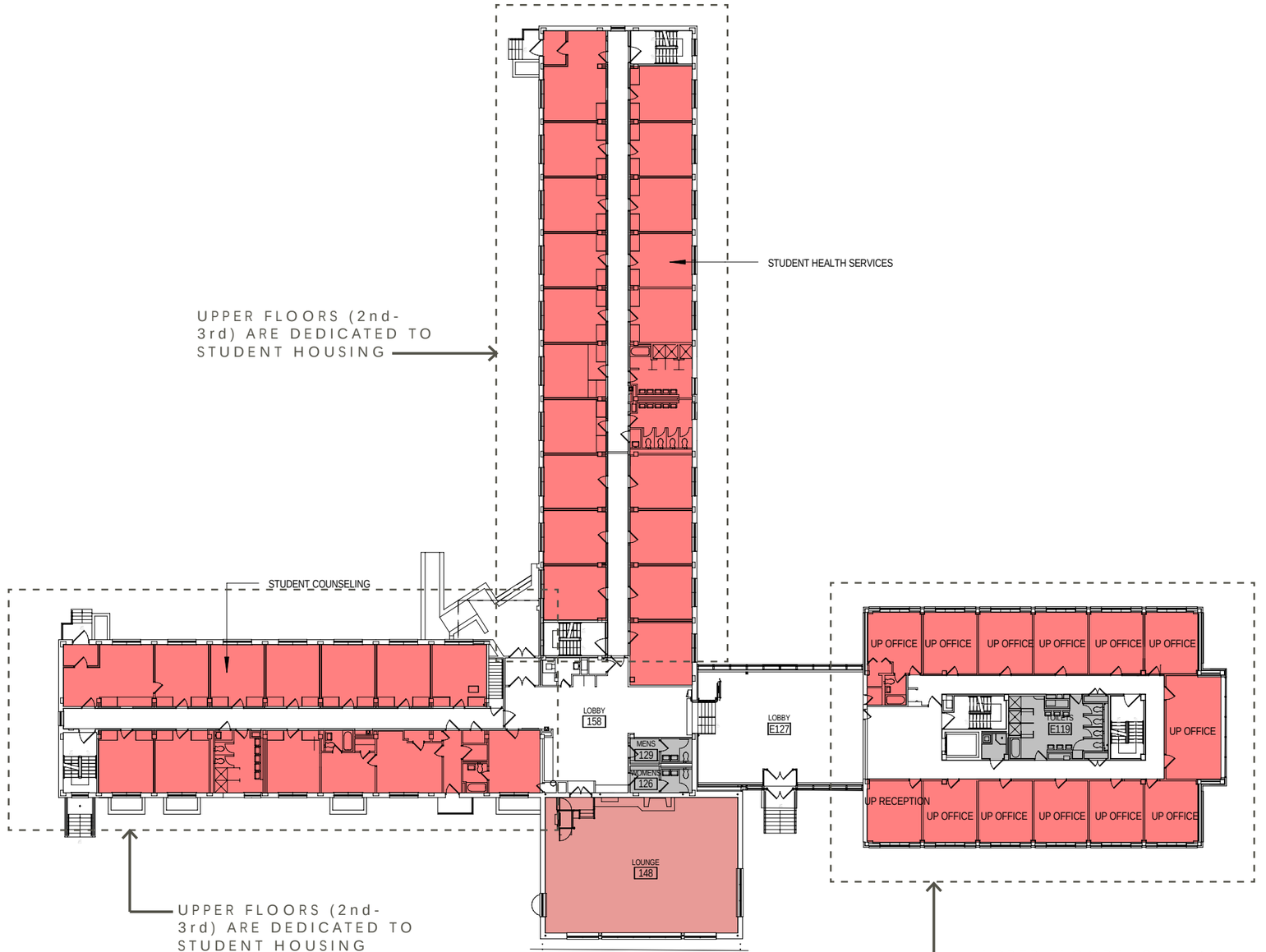
2ND FLOOR

VANHOUSEN HALL & EXTENSION 018

U S E P L A N

VANHOUSEN HALL & EXTENSION 018

U S E P L A N



1ST FLOOR

NORTH

STOWELL HALL 021

USE PLAN

- Academic Services
- Assembly & Exhibition
- Building Services
- Class Laboratory
- Classroom / Class Lab Support
- Data Processing (IT)
- Department Faculty Office & Support
- Department General & Special Use
- Facilities / Central Plant
- General Administration
- General Administration - Office & Support
- Health and Physical Education
- Individual Study Lab
- Instruction General
- Library
- Non Assignable
- Organized Activities
- Public Service
- Research & Support
- Residence Facilities
- Student / Faculty Activities
- Student Services

BASEMENT

SUNY POTSDAM

STOWELL HALL 021

U S E P L A N

NORTH

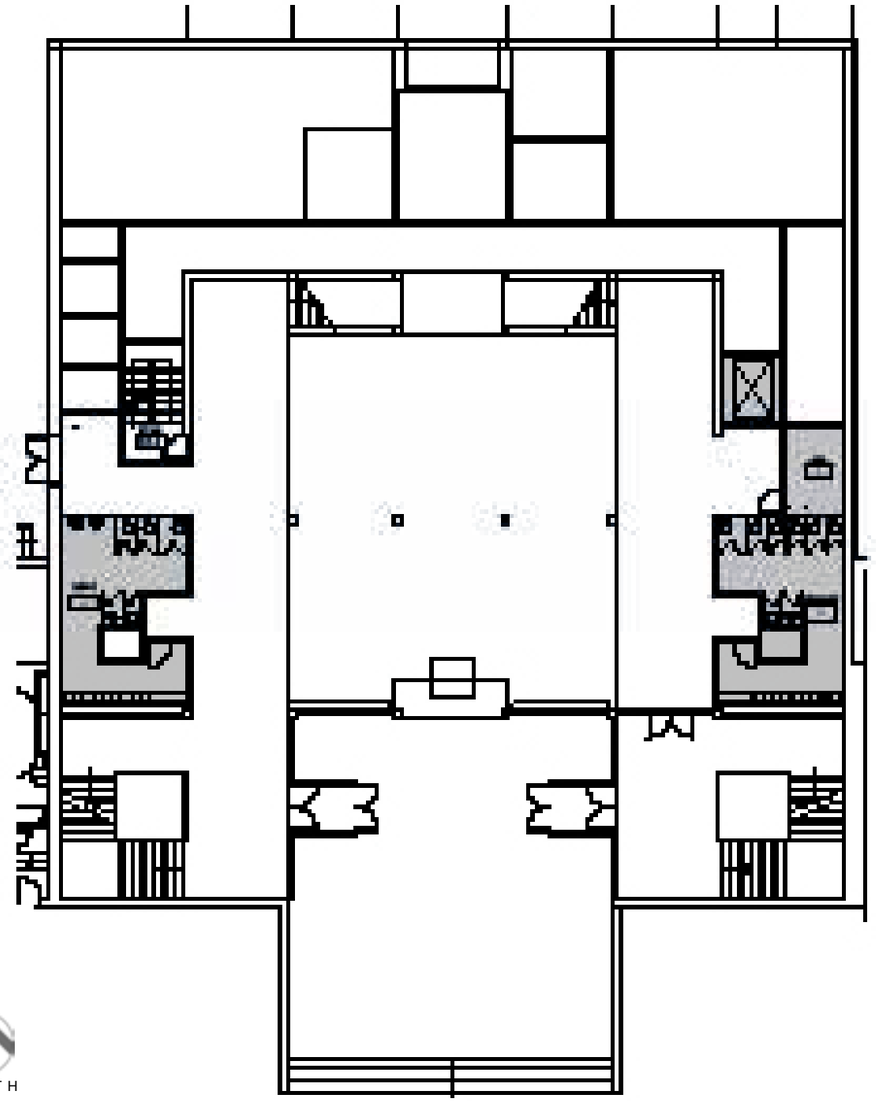
KNOWLES CONFERENCE CENTER 022

USE PLAN

- Academic Services
- Assembly & Exhibition
- Building Services
- Class Laboratory
- Classroom / Class Lab Support
- Data Processing (IT)
- Department Faculty Office & Support
- Department General & Special Use
- Facilities / Central Plant
- General Administration
- General Administration - Office & Support
- Health and Physical Education
- Individual Study Lab
- Instruction General
- Library
- Non Assignable
- Organized Activities
- Public Service
- Research & Support
- Residence Facilities
- Student / Faculty Activities
- Student Services

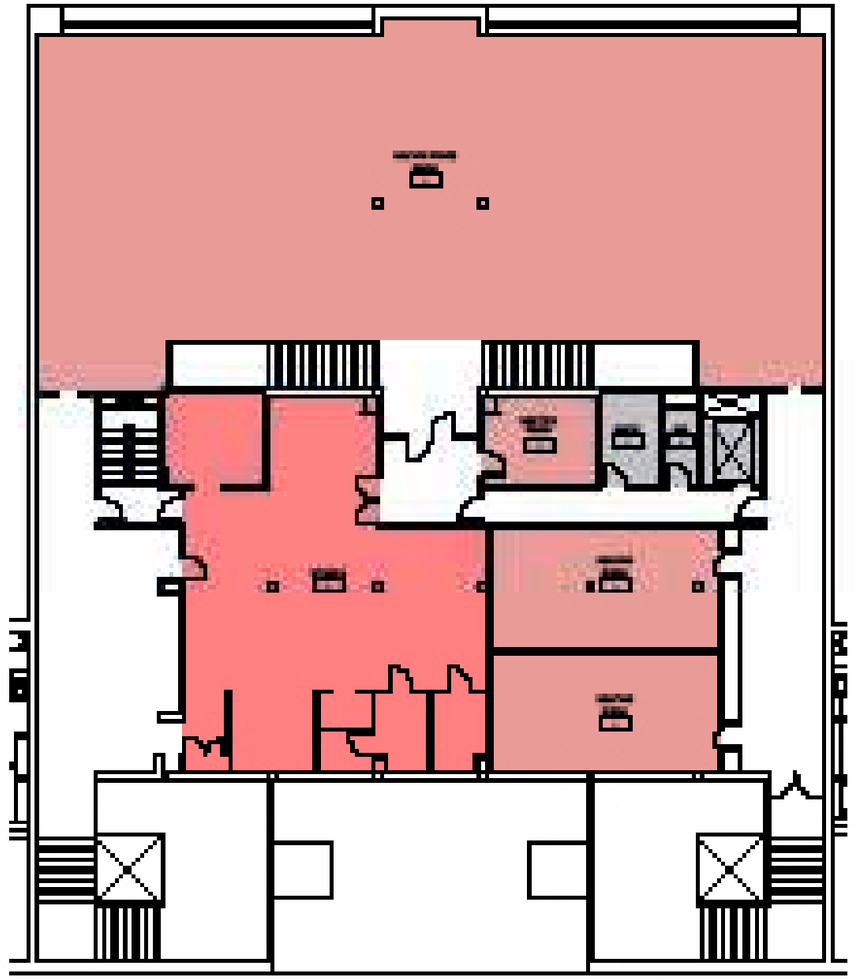
KNOWLES CONFERENCE CENTER 022

U S E P L A N



NORTH

1ST FLOOR



2ND FLOOR

KELLAS HALL 025

U S E P L A N

- Academic Services
- Assembly & Exhibition
- Building Services
- Class Laboratory
- Classroom / Class Lab Support
- Data Processing (IT)
- Department Faculty Office & Support
- Department General & Special Use
- Facilities / Central Plant
- General Administration
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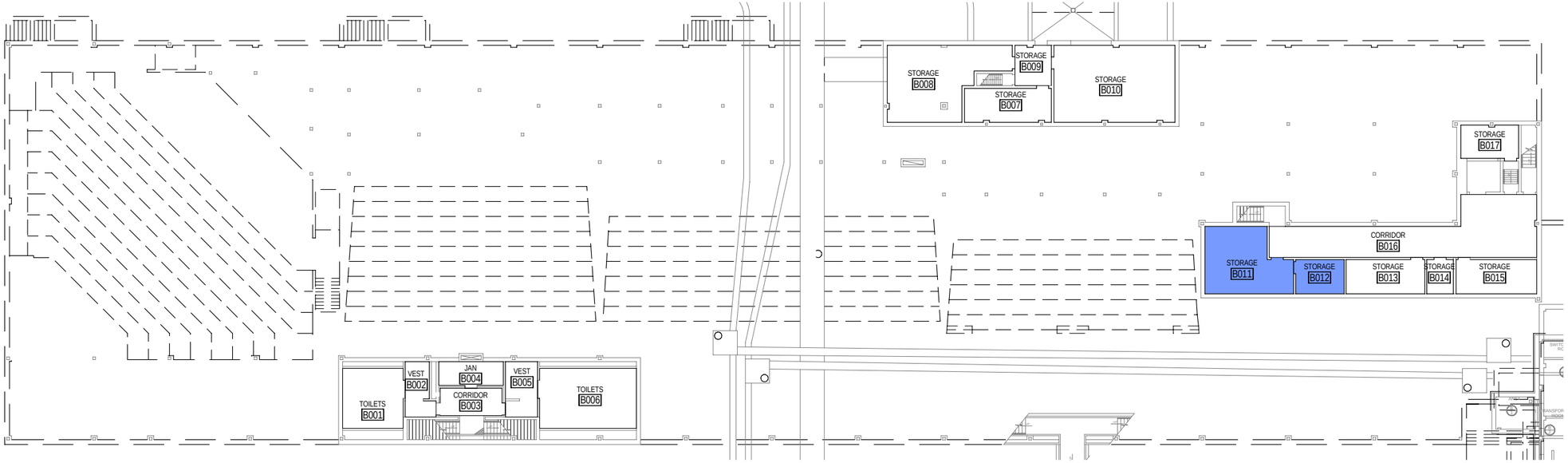
- Non Assignable
- Organized Activities
- Public Service
- Research & Support
- Residence Facilities
- Student / Faculty Activities
- Student Services

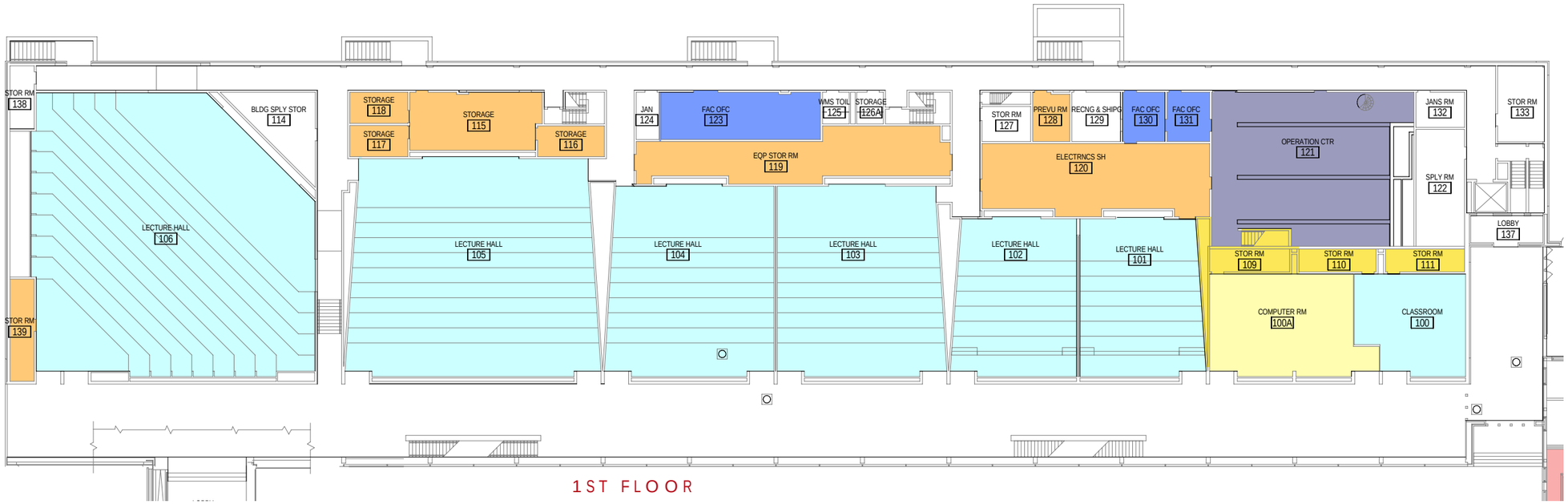


NORTH

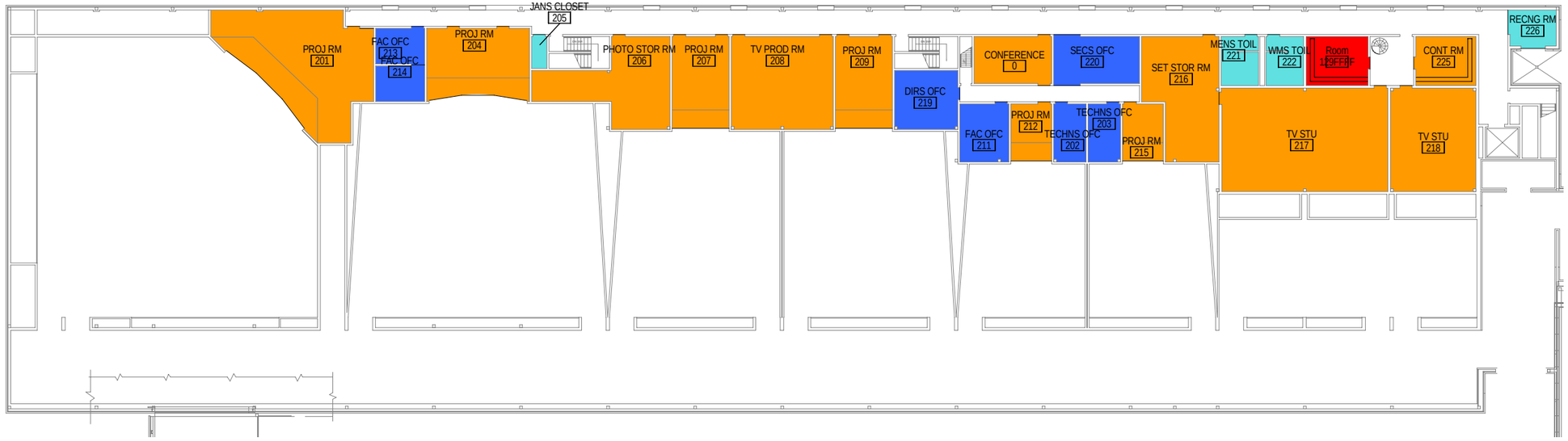
BASEMENT

KELLAS HALL 025

U S E P L A N



1ST FLOOR



2ND FLOOR

NORTH

SPACE USE

ANALYSIS OF SPACE NEEDS

BRAINERD HALL 026

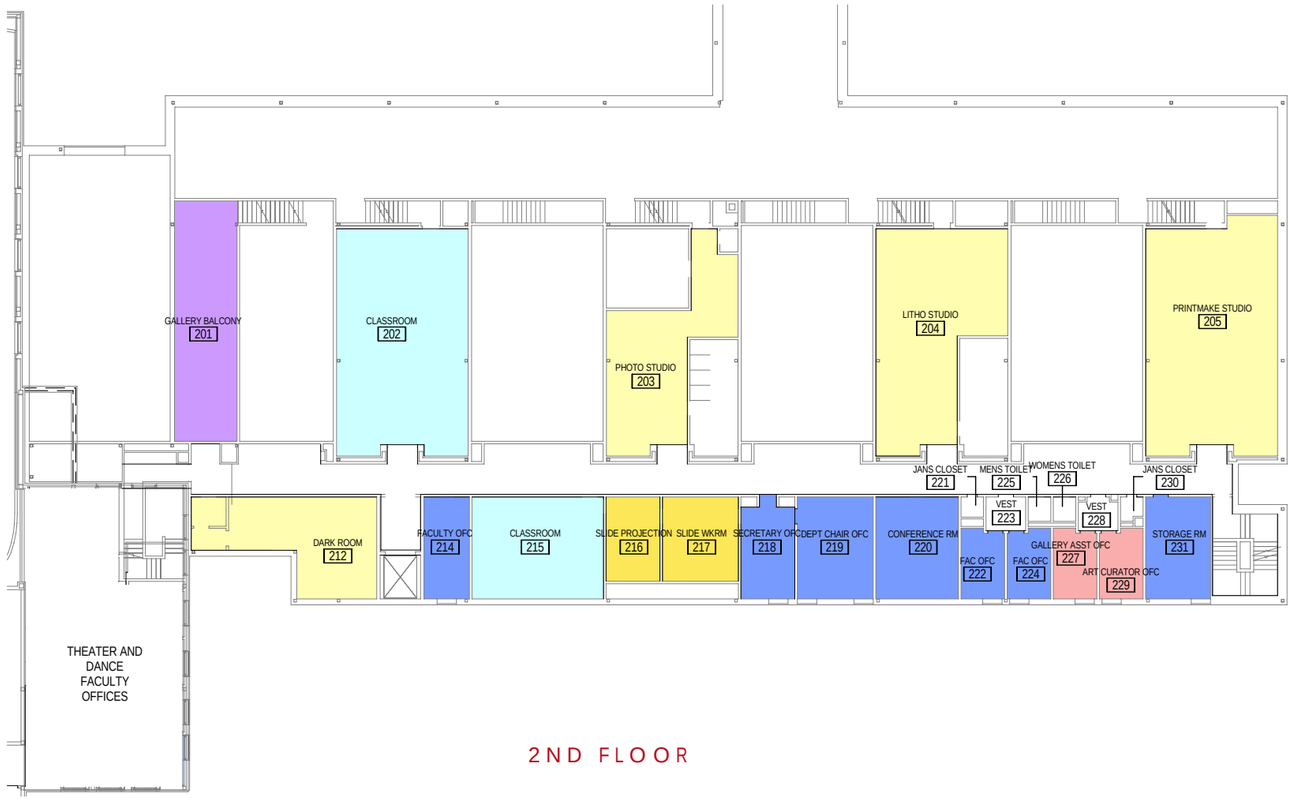
U S E P L A N

- Academic Services
- Assembly & Exhibition
- Building Services
- Class Laboratory
- Classroom / Class Lab Support
- Data Processing (IT)
- Department Faculty Office & Support
- Department General & Special Use
- Facilities / Central Plant
- General Administration
- General Administration - Office & Support
- Health and Physical Education
- Individual Study Lab
- Instruction General
- Library
- Non Assignable
- Organized Activities
- Public Service
- Research & Support
- Residence Facilities
- Student / Faculty Activities
- Student Services

1ST FLOOR

BRAINERD HALL 026

U S E P L A N

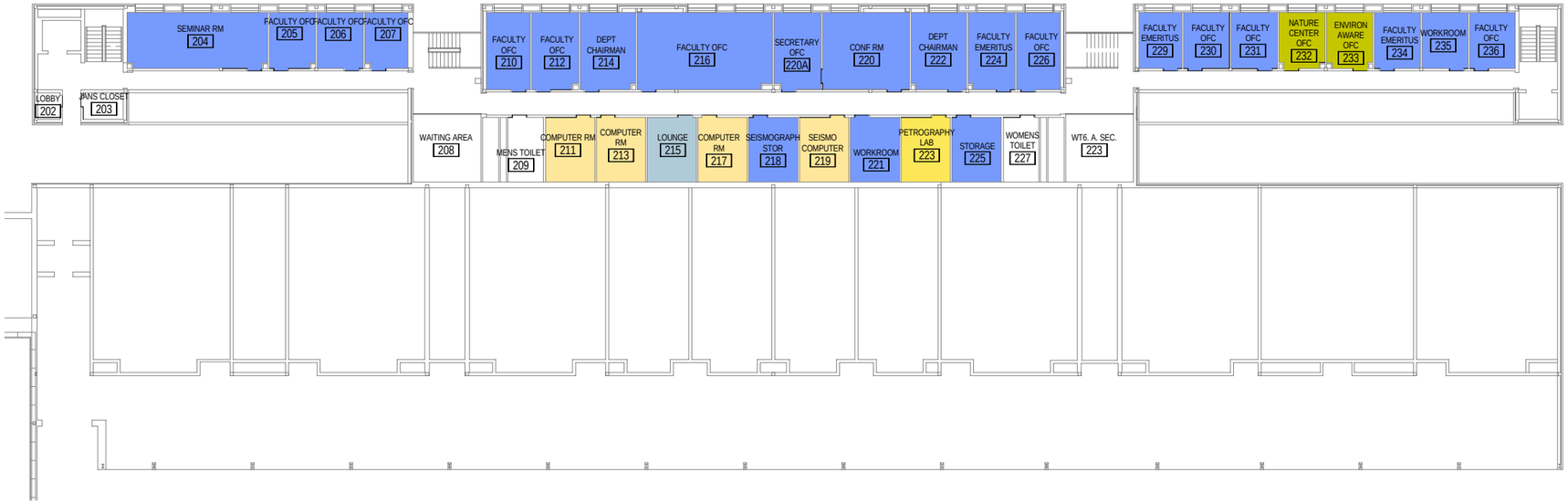


2ND FLOOR

NORTH

TIMERMAN HALL 027

U S E P L A N



2ND FLOOR

- Academic Services
- Assembly & Exhibition
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- Class Laboratory
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- Public Service
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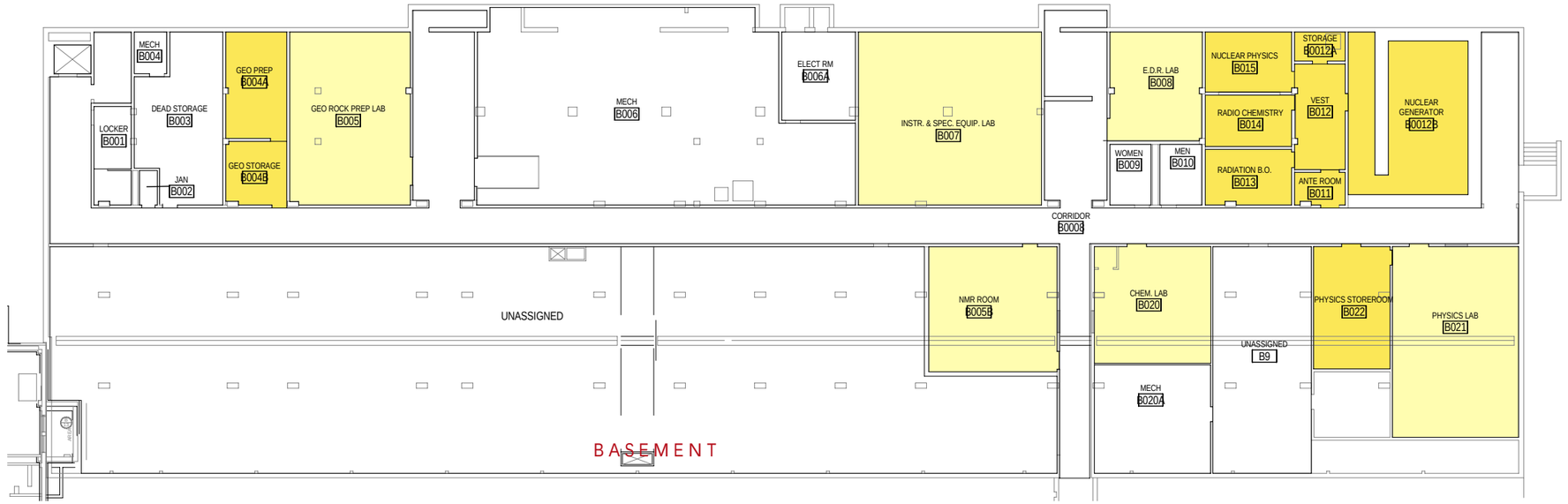
- Student / Faculty Activities
- Student Services

NORTH

SUNY POTSDAM

TIMERMAN HALL 027

U S E P L A N

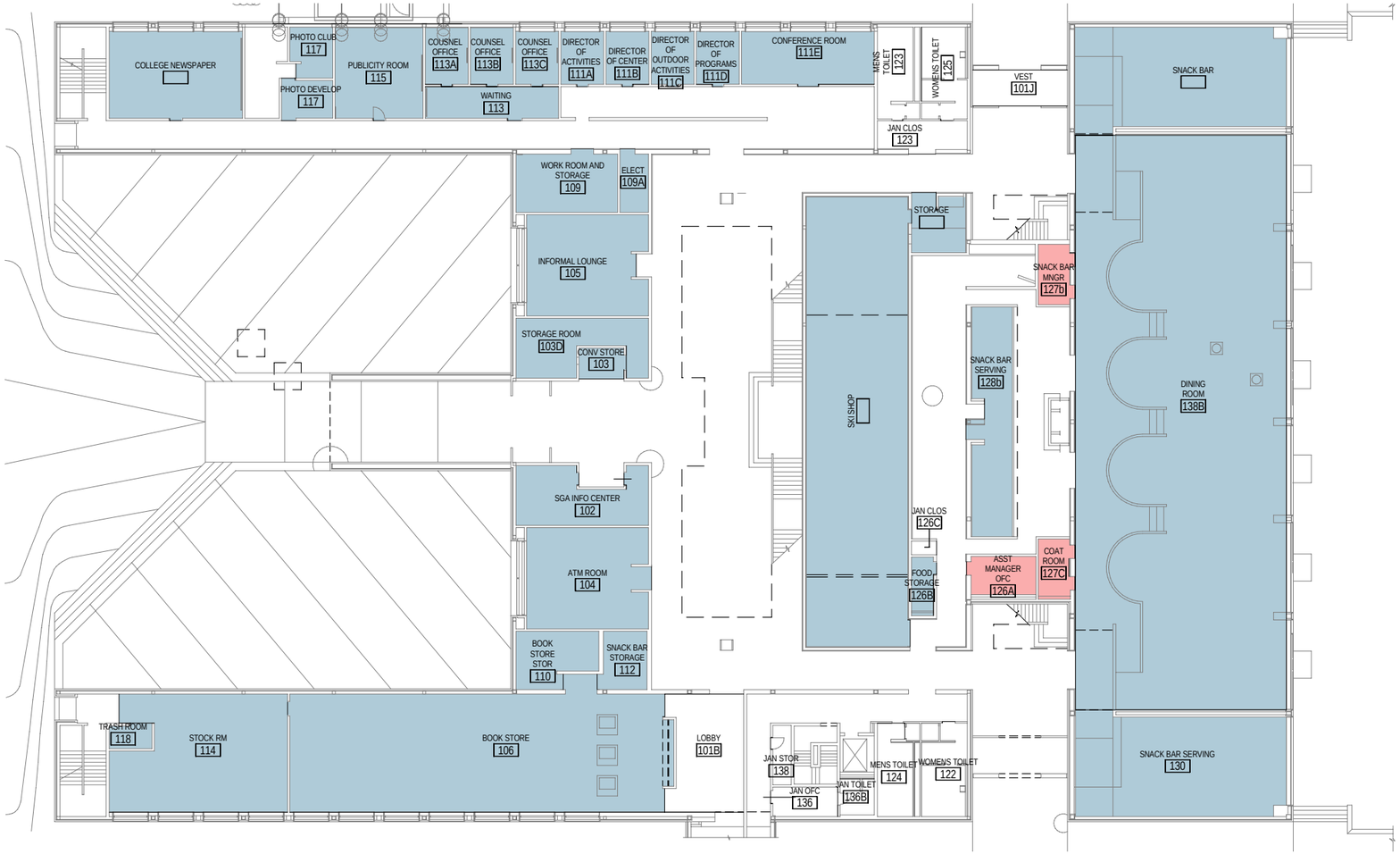


NORTH

1ST FLOOR

T. BARRINGTON STUDENT UNION 029

USE PLAN



1ST FLOOR

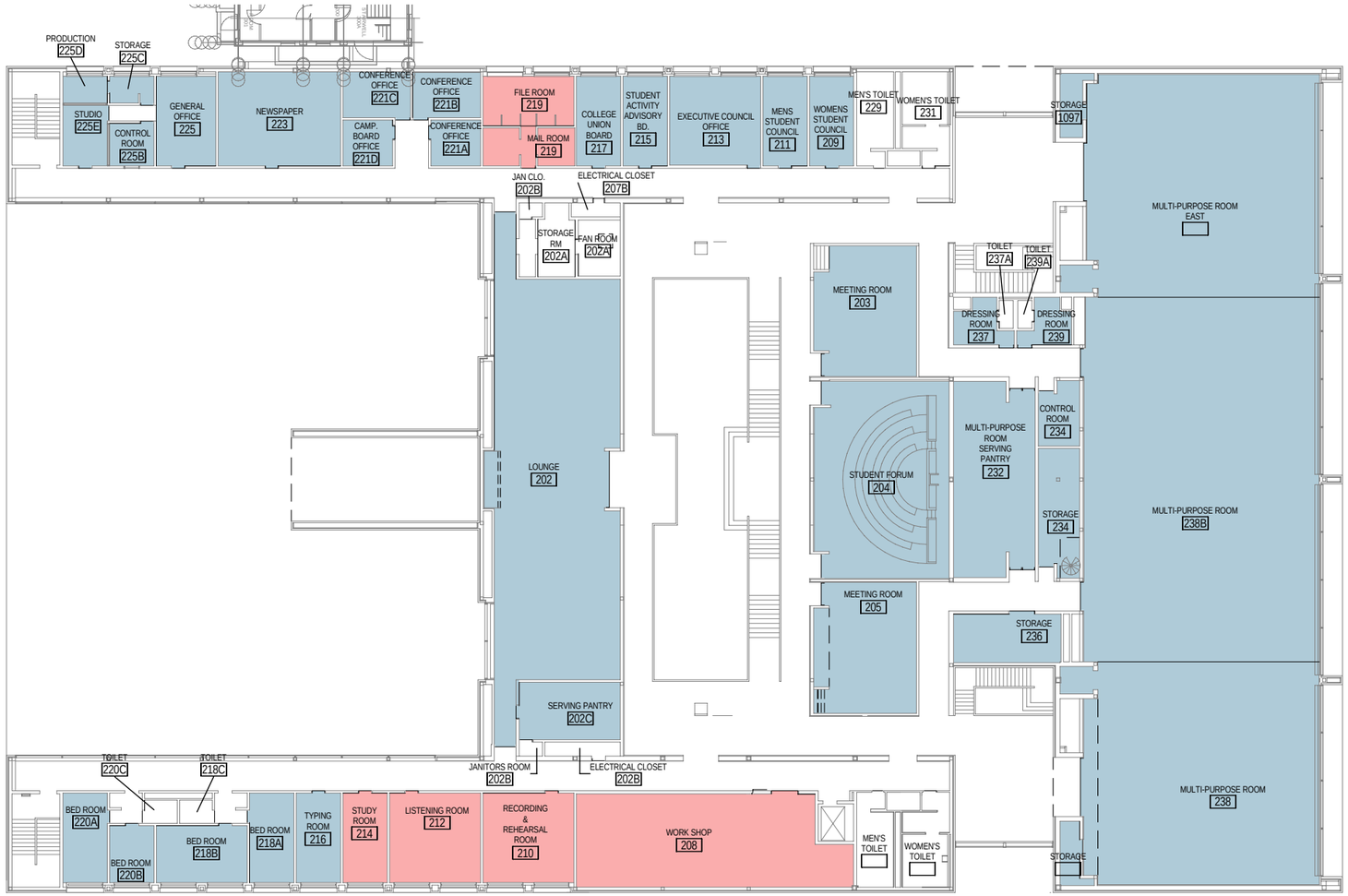
- Academic Services
- Assembly & Exhibition
- Building Services
- Class Laboratory
- Classroom / Class Lab Support
- Data Processing (IT)
- Department Faculty Office & Support
- Department General & Special Use
- Facilities / Central Plant
- General Administration
- General Administration - Office & Support
- Health and Physical Education
- Individual Study Lab
- Instruction General
- Library
- Non Assignable
- Organized Activities
- Public Service
- Research & Support
- Residence Facilities
- Student / Faculty Activities
- Student Services

NORTH

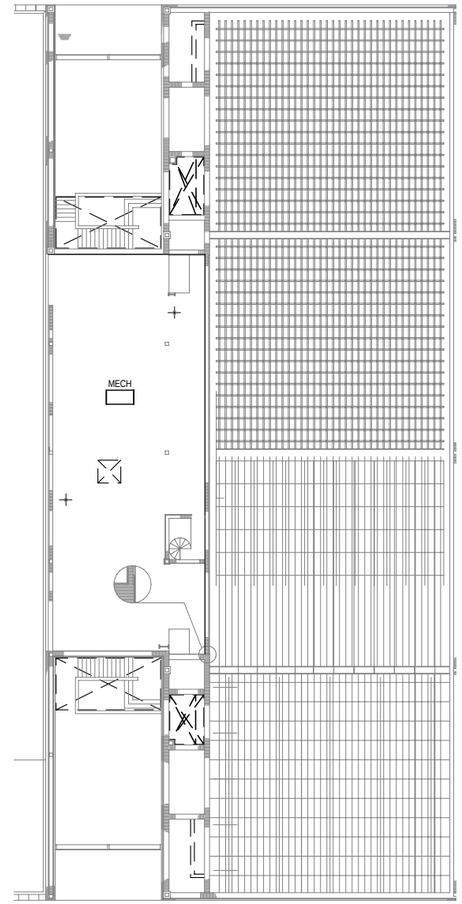
SUNY POTSDAM

T. BARRINGTON STUDENT UNION 029

U S E P L A N



2ND FLOOR



3RD FLOOR

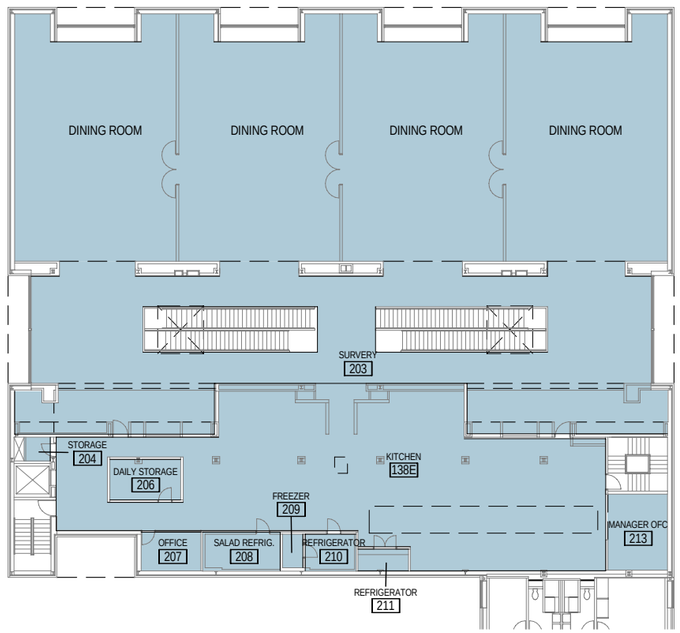
LEHMAN DINING HALL 030

U S E P L A N

LEHMAN DINING HALL 030

U S E P L A N

GROUND FLOOR



2ND FLOOR

NORTH

CLASSROOM UTLIZATION AND CLASS LABS

UTILIZATION RATES

Introduction - What is classroom utilization? A room utilization analysis seeks to demonstrate how well scheduled rooms (classrooms and class labs) perform in terms of use – measured in both hours scheduled and seats occupied. This quantitative method forms the framework for a more complex understanding of space use and can be applied to make decisions about space needs and renovation priorities.

Only learning environments - rooms coded as classrooms (1001) and class labs (1300) - have been included in this study. This inventory has been verified with the college and represents rooms whose primary function is instruction.

At SUNY Potsdam, this analysis has shown classrooms and class labs to be under-used on average, allowing the college significant opportunities to renovate, upgrade, and improve their facilities for modern and innovative learning. Another benefit of low utilization is that the college, on average, could be supporting more FTEs in its classrooms than it is currently serving. Overall, the analysis has proven that there is no need for an academic surge building to accommodate the necessary full building renovations and departmental relocations. Through the use of project phasing, single academic buildings can be completely shut-down for the duration of a full building renovation.

Methodology - How utilization rates are calculated? Per room, utilization rates are composed of two factors – the amount of time a room is used and the average stations occupied. Target use levels are assigned to each factor as a function of availability. SUNY has identified the hours between 8:00 am and 5:00 pm as the scheduling window when courses are generally offered in standard block times of 50 minute increments on Monday, Wednesday, and Friday and 75 minute increments on Tuesday and Thursday. The total amount of time available within this range is 45 hours. Breaks between courses prevent a full 45 hours of room use each week and therefore, SUNY has identified that 40 hours are available for scheduling. Available seats vary per room. SUNY has established the following targets for room use:

SUNY

Classrooms:
30 hours per week (75% of 40 hrs)
80% available seats

Class Labs:
24 hours per week (60% of 40 hrs)
80% available seats

The composite of these factors is Contact Hours per Station, which are the units Utilization is measured in. Given the previous, the target Contact Hours per Station established by the SUNY is the following:

SUNY

Classrooms:
40 hours (75%) x 80% seats
= 24 Contact Hours per Station

Class Labs:
40 hours (60%) x 80% seats
= 19.20 Contact Hours per Station

To increase the target utilization, the Department of Budgets has applied a scaling factor of 1.18. This scaling results in the following:

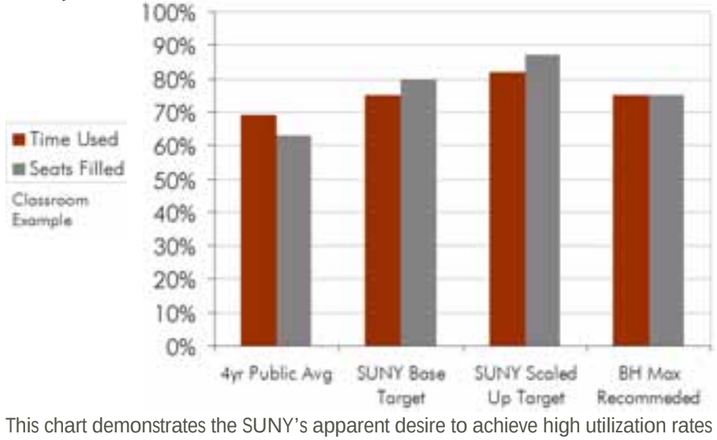
SUNY

Classrooms:
24 Contact Hours per Station x 1.18
= 28.32 target Contact Hours per Station

Class Labs:
19.20 Contact Hours per Station x 1.18
= 22.66 target Contact Hours per Station

The above Contact Hours per Station values represent target utilization for each classroom and class lab respectively within the SUNY system, typically expressed as 100%. When these values are calculated for each room, they are evaluated as a percentage of these targets.

Given the nature of SUNY Potsdam as a four-year public college, these utilization rates are higher than a national average. The national average has been obtained by compiling state-based standards from 20 states across the US. The following is a chart that compares four-year public institutions across the country representing the national average to SUNY and Burt Hill recommended utilization rates. Burt Hill has identified utilization rates base on national averages in association with typical industry standards.



This chart demonstrates the SUNY's apparent desire to achieve high utilization rates and maximize current facilities.

These levels may be unhealthy targets moving forward given the limitations on flexibility and asynchronous use that high utilization rates impose. The ability to reschedule a class is reduced due to limited headroom time available, which also limits irregular activities such as guest lectures and student group meetings. High utilization targets also assume the college has an appropriate classroom inventory mix to ideally meet their scheduled activity.

A great many variables exist in classroom scheduling at the college level. Placing restrictions on flexibility to handle those variables puts strain on the scheduling system at any institution. Therefore, a lower utilization rate is recommended, which better aligns with the high-end of the national average:

BURT HILL

Classrooms:
30 hours per week (75% of 40 hrs)
75% available seats

Class Labs:
24 hours per week (60% of 40 hrs)
80% available seats

In classrooms, this study proposes that fewer seats should be occupied on average. This allows for better student comfort, ease of seat re-configurations, and instructor movement throughout the space. The target time use in classrooms at 75% meets the upper-end of national use and appears appropriate for this study. For class labs, 60% time use is appropriate to allow more prep-time between classes. Typically, class labs have specialty equipment and materials that need to be modified during non-class times that are greater than the changes required in a standard classroom. Therefore, less time is targeted for class lab scheduled use. This study proposes that 80% class lab seats filled on average is appropriate. Seats in labs generally occupy larger areas than those in standard classrooms and therefore, student comfort is more easily achieved. Also, lab seats are generally more expensive due to the amount of area dedicated and type of specialty work being done in such spaces. Therefore, higher target station occupancy rates in class labs are appropriate.

Given the recommended targets above and assuming the same total available hours per week, the Burt Hill Recommended Contact Hours per Station are as follows:

BURT HILL

Classrooms:
40 hours (75%) x 75% seats
= 22.50 Contact Hours per Station

Class Labs:
40 hours (60%) x 80% seats
= 19.20 Contact Hours per Station

The Burt Hill recommended utilization rates do not apply a scaling factor. The Division of Budgets scaling factor of 1.18 is difficult to measure as it attempts to unilaterally raise utilization targets without identifying what changes need to be applied at the time use or stations occupied level. Eliminating this factor will simplify the analysis and allow individual factors to be better tracked with their relationship to overall utilization. Other than reducing the classroom seat target, this is the primary difference between the SUNY targets and the Burt Hill recommendation.

UTILIZATION RATES:

Summary Though some rooms are performing better than others, the values indicate that there is capacity for increased use in current classroom facilities. The following pages identify the components of utilization and their individual impacts on overall classroom use. This analysis has been conducted for both the main campus and Crane School separately to address use concerns specific to each group.

Room Inventory The main campus at SUNY Potsdam has 95 instructional spaces: 56 classrooms and 39 class labs. In addition, the Crane School of Music includes 17 more instructional spaces: 7 classrooms and 10 class labs. The table to the right identifies the current utilization rates for all classrooms and class labs at SUNY Potsdam as a percentage of the SUNY target. Also shown is the utilization as a percentage of the Burt Hill recommended target. (See Appendix for complete expanded table.)

Rooms highlighted in yellow are learning environments that were not scheduled for credit-bearing activities in Fall 2008. The college verified that these rooms represent instructional resources and should be counted as part of the classroom/class lab inventory. Likewise, rooms not identified as learning environments but supporting some measure of regular course activity were not included, such as department conference rooms used infrequently as seminar rooms. The primary function of these spaces is not instructional. A review of these uses identifies that an appropriately minimal amount of coursework is scheduled in these types of spaces, with the exception of Dunn Hall 102 (School of Arts and Sciences conference room). The functions in this rooms should probably be accommodated elsewhere on campus so that the room may better serve its purpose as a departmental conference space.

Of note are the rooms in Kellas Hall. When the largest classroom on campus - Kellas 106 - is used, it only sees 17% of its 336 seats filled on average. Out of all the large rooms in Kellas, 106 is also scheduled for the least amount of class time. The smaller rooms in Kellas are used better than the larger ones, though all fall below target utilization rates.

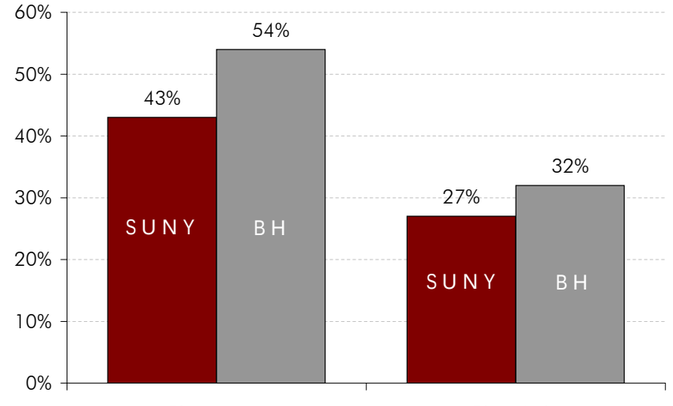
Utilization Main campus room utilization is below both SUNY and Burt Hill recommended targets (less than 100%). On average, Main Campus (non-Crane) classrooms achieve 12.16 contact hours per station, which represents 43% utilization with regards to the SUNY target; 54% to Burt Hill's recommended target. Class labs are half that on average - 6.16, or 27% SUNY target, 32% Burt Hill recommended target. Crane School of Music classrooms average 10.77 contact hours per station, or 38% SUNY target, 48% Burt Hill recommended target. Crane class labs fair slightly better than their main campus counterparts achieving 7.22 contact hours per station or 32% SUNY target, 38% Burt Hill recommended target.

Though Crane instructional spaces score below targets, this study finds the reduced use to be acceptable. Given the nature of music school activities, the size of equipment, and the need for significant area for certain functions, lower utilization rates are to be expected. There does exist some measure of available capacity and the school could experience minimal growth.

CAMPUS	Type Group	BUILDING NAME	Facil ID (Room)	Dept Name	Area (ASF)	NSR STAT (Capacity)	Percent of Avail Minutes Used	Avg Percent Seats Used	Current Use as % of SUNY Target	Current Use as % of BH Target
CRANE	CLASS LAB	BISHOP HALL	BIS-HL C101	MUSIC	1792	86	60.42	23.64	25.10%	29.62%
			BIS-HL C107	MUSIC	2382	123	61.25	27.06	28.25%	34.52%
			BIS-HL C116	MUSIC	2382	123	80.00	22.59	31.91%	37.66%
			BIS-HL C123	MUSIC	1792	86	65.83	29.60	23.95%	28.26%
			BIS-HL C224	MUSIC	2382	130	47.08	19.88	16.51%	19.48%
			BIS-HL C323	MUSIC	553	30	45.83	55.61	44.99%	53.10%
		CRANE MUSIC CENTER	CRN-MC B115	MUSIC	1023	62	43.73	26.27	20.29%	23.94%
		SCHUETTE HALL	SCH-HL A119	MUSIC	372	19	42.28	84.11	62.79%	74.11%
			SCH-HL A122	MUSIC	998	18	46.83	68.91	53.32%	62.92%
			SCH-HL A158	MUSIC	512	15	6.25	93.33	10.30%	12.15%
	CLASSROOMS	BISHOP HALL	BIS-HL C303	MUSIC	553	30	71.88	47.08	48.31%	60.80%
			BIS-HL C309	MUSIC	553	30	69.79	46.62	45.95%	57.84%
			BIS-HL C318	MUSIC	553	30	47.08	45.28	30.11%	37.90%
		SCHUETTE HALL	SCH-HL A145	MUSIC	498	29	50.00	57.76	49.79%	61.34%
			SCH-HL A147	MUSIC	498	29	58.33	54.06	44.54%	56.07%
			SCH-HL A311	MUSIC	1963	50	58.13	30.68	25.16%	31.67%
			SCH-HL A323	MUSIC	1963	50	70.63	31.30	31.23%	39.32%
MAIN	CLASS LAB	BRAINERD HALL	BRA-HL 0121A	ART	864	20	0.00	0.00	0.00%	0.00%
			BRA-HL 0127	ART	1196	20	14.17	90.00	22.51%	28.99%
			BRA-HL 0111	ART	1196	20	27.92	52.81	25.93%	30.60%
			BRA-HL 0116	ART	1196	24	42.08	48.84	36.29%	42.82%
			BRA-HL 0203	ART	838	25	27.92	80.21	24.75%	29.20%
			BRA-HL 0204	ART	1180	24	18.17	40.04	13.55%	15.99%
			BRA-HL 0205	ART	1123	18	14.17	105.56	29.40%	31.15%
		DUNN HALL	DUNNHL 0116	DANCE/DRAMA	4004	60	49.79	27.38	32.86%	38.77%
		FLAGG HALL	FLG-HL 0102	PSYCHOLOGY	1012	44	39.58	44.26	30.93%	36.50%
			FLG-HL 0103	PSYCHOLOGY	1100	43	33.33	45.86	26.81%	31.64%
			FLG-HL 0203	ART GALLERY	865	54	0.00	0.00	0.00%	0.00%
			FLG-HL 0204	ART GALLERY	865	54	0.00	0.00	0.00%	0.00%
			FLG-HL 0213	PSYCHOLOGY	462	16	0.00	0.00	0.00%	0.00%
		MACVICAR HALL	MVC-HL 0121A	ANTHROPOLOGY	819	22	24.58	62.63	27.18%	32.08%
		MARCY HALL	MAX-HL 0312	DANCE/DRAMA	2987	50	16.00	72.33	19.16%	22.60%
		SATTERLEE HALL	SAT-HL 0104A	SHEARD LITERACY CENTER	806	24	27.29	78.36	37.78%	44.59%
			SAT-HL 0120G	DANCE/DRAMA	1673	20	0.00	0.00	0.00%	0.00%
			SAT-HL 0121	DANCE/DRAMA	2268	24	0.00	0.00	0.00%	0.00%
			SAT-HL 0225	DANCE/DRAMA	1550	62	33.33	29.97	17.64%	20.81%
			SAT-HL 0301	SCHOOL OF ED & PROFESS STUDIES	1600	30	69.42	62.25	71.99%	84.83%
			SAT-HL 0312	ART	1723	69	70.00	41.16	50.86%	60.02%
			SAT-HL 0314	ART	660	30	69.17	79.81	63.37%	68.37%
		STOWELL HALL	STW-HL 0117	BIOLOGY	816	24	13.33	83.07	18.56%	23.08%
			STW-HL 0214	BIOLOGY	1170	24	12.71	82.34	18.48%	21.80%
			STW-HL 0217	BIOLOGY	1165	24	28.33	94.79	47.42%	55.95%
			STW-HL 0218	BIOLOGY	1165	24	21.46	86.42	36.15%	42.66%
			STW-HL 0221	BIOLOGY	1165	24	7.08	86.67	5.94%	6.84%
			STW-HL 0311	CHEMISTRY	1150	12	14.17	79.17	19.80%	23.37%
			STW-HL 0314	CHEMISTRY	1111	24	35.42	77.50	48.46%	57.18%
			STW-HL 0315	CHEMISTRY	1170	24	61.67	87.78	90.00%	94.40%
			STW-HL 0316	CHEMISTRY	1170	18	14.17	83.33	20.84%	24.59%
		TIMERMAN HALL	TIM-HL 0120	GEOLOGY	1200	24	26.67	88.75	46.47%	54.83%
			TIM-HL 0121	GEOLOGY	1284	24	20.83	62.50	22.98%	27.13%
			TIM-HL 0123	GEOLOGY	1200	30	21.67	73.27	28.03%	33.07%
			TIM-HL 0128	BIOLOGY	1200	24	4.58	87.50	7.08%	8.36%
			TIM-HL 0129	PHYSICS	1200	24	13.75	84.72	20.57%	24.27%
			TIM-HL B007	GEOLOGY	1520	25	30.42	82.01	44.58%	52.60%
			TIM-HL B021	PHYSICS	1820	24	23.33	81.88	25.41%	29.98%
			TIM-HL B023	GEOLOGY	1000	18	12.08	88.89	19.96%	23.38%

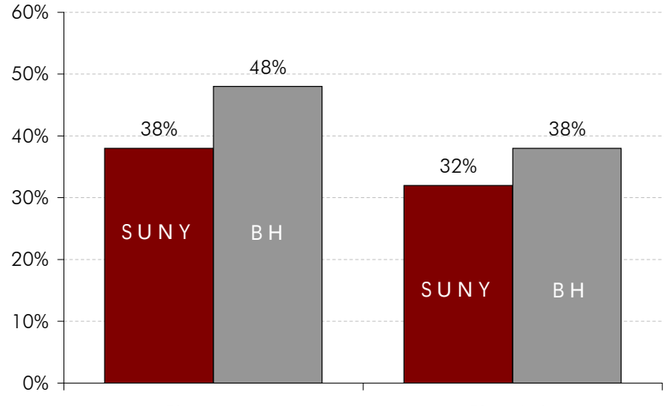
CAMPUS	Type Group	BUILDING NAME	Facil ID (Room)	Dept Name	Area (ASF)	NSR STAT (Capacity)	Percent of Avail Minutes Used	Avg Percent Seats Used	Current Use as % of SUNY Target	Current Use as % of BH Target
	CLASSROOMS	BRAINERD HALL	BRA-HL 0202	INSTRUCTION GENERAL	1125	50	42.92	53.61	32.50%	40.60%
			BRA-HL 0215	INSTRUCTION GENERAL	520	33	38.54	64.33	38.02%	44.06%
		CARSON HALL	CAR-HL 0101	INSTRUCTION GENERAL	1209	40	61.67	48.81	42.25%	53.18%
			CAR-HL 0201	INSTRUCTION GENERAL	651	41	63.13	55.59	49.57%	62.39%
			CAR-HL 0202	INSTRUCTION GENERAL	788	48	53.13	50.49	37.89%	47.68%
			CAR-HL 0203	INSTRUCTION GENERAL	381	24	27.08	62.82	24.03%	30.25%
			CAR-HL 0204	INSTRUCTION GENERAL	483	30	30.46	46.10	20.65%	25.99%
			CAR-HL 0205	INSTRUCTION GENERAL	679	42	67.50	67.08	63.96%	80.50%
			CAR-HL 0214	INSTRUCTION GENERAL	503	31	31.25	70.75	31.23%	39.31%
			CAR-HL 0216	INSTRUCTION GENERAL	781	48	42.08	57.67	34.28%	43.15%
		DUNN HALL	DUNNHL 0200	INSTRUCTION GENERAL	613	39	64.38	57.11	51.93%	65.36%
			DUNNHL 0202	INSTRUCTION GENERAL	526	30	69.79	72.73	70.62%	88.89%
			DUNNHL 0204	INSTRUCTION GENERAL	526	24	48.54	101.68	69.71%	87.74%
			DUNNHL 0206	INSTRUCTION GENERAL	613	24	77.50	80.77	66.52%	83.72%
			DUNNHL 0208	INSTRUCTION GENERAL	525	30	59.17	70.37	58.81%	74.02%
		FLAGG HALL	FLG-HL 0142	INSTRUCTION GENERAL	462	28	29.17	93.42	34.36%	43.25%
			FLG-HL 0163	INSTRUCTION GENERAL	437	27	39.38	69.64	38.73%	48.75%
			FLG-HL 0164	INSTRUCTION GENERAL	960	60	21.04	42.11	16.46%	23.24%
			FLG-HL 0166	INSTRUCTION GENERAL	480	14	15.83	76.64	16.67%	20.98%
			FLG-HL 0205	INSTRUCTION GENERAL	624	58	52.08	41.93	30.89%	38.83%
			FLG-HL 0206	INSTRUCTION GENERAL	1480	44	46.63	53.28	60.11%	75.66%
			FLG-HL 0210	INSTRUCTION GENERAL	1480	44	46.83	90.68	52.23%	65.74%
			FLG-HL 0211	INSTRUCTION GENERAL	1420	80	58.33	63.64	52.44%	66.00%
			FLG-HL 0232	INSTRUCTION GENERAL	480	30	58.67	55.86	44.71%	56.27%
			FLG-HL 0233	INSTRUCTION GENERAL	480	30	77.50	66.30	72.57%	91.35%
			FLG-HL 0234	INSTRUCTION GENERAL	480	30	55.42	58.25	45.59%	57.38%
			FLG-HL 0235	INSTRUCTION GENERAL	480	30	58.33	69.76	57.48%	72.35%
			FLG-HL 0236	INSTRUCTION GENERAL	480	30	63.75	67.02	60.34%	75.95%
			FLG-HL 0237	INSTRUCTION GENERAL	480	30	52.08	67.20	49.44%	62.22%
			FLG-HL 0238	INSTRUCTION GENERAL	480	30	61.88	78.56	66.91%	84.22%
			FLG-HL 0239	INSTRUCTION GENERAL	480	30	57.08	69.73	48.16%	60.62%
			FLG-HL 0240	INSTRUCTION GENERAL	480	30	59.58	66.90	47.89%	60.28%
		KELLAS HALL	KEL-HL 0100	BUILDING USE-ACADEMIC	480	40	53.33	71.78	54.07%	68.06%
			KEL-HL 0101	INSTRUCTION GENERAL	928	58	70.00	57.57	59.92%	71.64%
			KEL-HL 0102	INSTRUCTION GENERAL	928	54	36.54	49.66	27.21%	34.29%
			KEL-HL 0103	INSTRUCTION GENERAL	1800	112	62.92	42.66	37.98%	47.42%
			KEL-HL 0104	INSTRUCTION GENERAL	1800	112	62.92	46.71	41.51%	52.29%
			KEL-HL 0105	INSTRUCTION GENERAL	3127	222	52.08	33.51	26.13%	32.88%
			KEL-HL 0106	INSTRUCTION GENERAL	4089	336	23.96	17.57	5.95%	7.48%
		MACVICAR HALL	MVC-HL 0120	INSTRUCTION GENERAL	595	37	33.29	52.36	23.64%	30.00%
		MARCY HALL	MAX-HL G104	INSTRUCTION GENERAL	1400	50	8.33	95.00	11.18%	14.07%
			MAX-HL P220	INSTRUCTION GENERAL	636	28	20.83	49.78	14.65%	18.44%
		MOREY HALL	MRY-HL 0114	INSTRUCTION GENERAL	392	24	35.00	63.90	31.59%	39.76%
		SATTERLEE HALL	SAT-HL 0200	INSTRUCTION GENERAL	1035	40	86.88	38.68	47.46%	59.74%
			SAT-HL 0202E	INSTRUCTION GENERAL	635	32	0.00	0.00	0.00%	0.00%
			SAT-HL 0205	INSTRUCTION GENERAL	640	40	47.08	53.23	35.40%	44.56%
			SAT-HL 0219	INSTRUCTION GENERAL	440	25	62.92	71.32	63.38%	79.77%
			SAT-HL 0225	INSTRUCTION GENERAL	440	40	71.67	56.85	57.56%	72.43%
			SAT-HL 0221	INSTRUCTION GENERAL	660	41	66.88	71.40	67.44%	84.88%
			SAT-HL 0222	INSTRUCTION GENERAL	660	40	62.92	85.91	76.34%	96.09%
			SAT-HL 0315	INSTRUCTION GENERAL	974	55	78.96	47.31	52.78%	66.41%
			SAT-HL 0319	INSTRUCTION GENERAL	780	45	72.08	59.98	61.26%	76.86%
		STOWELL HALL	STW-HL 0103	INSTRUCTION GENERAL	624	39	30.00	43.80	18.56%	23.36%
			STW-HL 0116D	INSTRUCTION GENERAL	672	42	52.71	45.44	33.93%	42.58%
			STW-HL 0211	INSTRUCTION GENERAL	1900	200	48.33	24.33	16.53%	20.81%
		TIMERMAN HALL	TIM-HL 0131	GEOLOGY	1040	64	62.50	65.06	57.96%	72.95%

SUNY POTSDAM RELATIVE TO UTILIZATION TARGETS

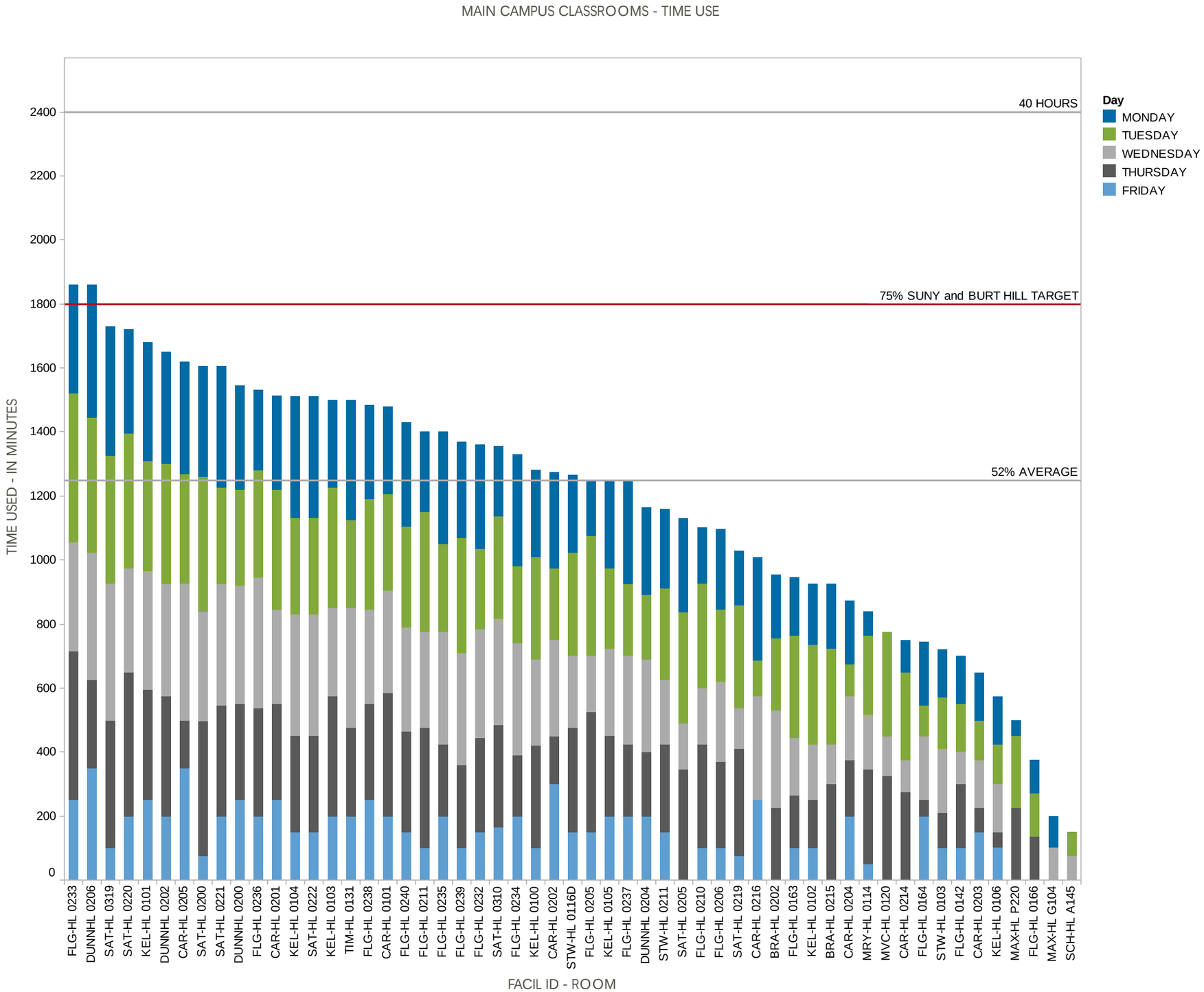


Main Campus The chart above demonstrates the utilization of SUNY Potsdam classrooms and class labs relative to SUNY and Burt Hill recommended target rates.

SUNY POTSDAM RELATIVE TO UTILIZATION TARGETS



Crane School of Music The chart above demonstrates the utilization of SUNY Potsdam classrooms and class labs relative to SUNY and Burt Hill recommended target rates.


MAIN CAMPUS CLASSROOMS - TIME USE
40 HOURS
75% SUNY and BURT HILL TARGET
52% AVERAGE
TIME USED - IN MINUTES
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
FACIL ID - ROOM
FLG-HL 0233
DUNNHL 0206
SAT-HL 0319
SAT-HL 0220
KEL-HL 0101
DUNNHL 0202
CAR-HL 0205
SAT-HL 0200
SAT-HL 0221
DUNNHL 0200
FLG-HL 0236
CAR-HL 0201
KEL-HL 0104
SAT-HL 0222
KEL-HL 0103
TIM-HL 0131
FLG-HL 0238
CAR-HL 0101
FLG-HL 0240
FLG-HL 0211
FLG-HL 0235
FLG-HL 0239
FLG-HL 0232
SAT-HL 0310
FLG-HL 0234
KEL-HL 0100
CAR-HL 0202
STW-HL 0116D
FLG-HL 0205
KEL-HL 0105
FLG-HL 0237
DUNNHL 0204
STW-HL 0211
SAT-HL 0205
FLG-HL 0210
FLG-HL 0206
SAT-HL 0219
CAR-HL 0216
BRA-HL 0202
FLG-HL 0163
KEL-HL 0102
BRA-HL 0215
CAR-HL 0204
MRY-HL 0114
MVC-HL 0120
CAR-HL 0214
FLG-HL 0164
STW-HL 0103
FLG-HL 0142
CAR-HL 0203
KEL-HL 0106
MAX-HL P220
FLG-HL 0166
MAX-HL G104
SCH-HL A145
Day
MONDAY
TUESDAY
WEDNESDAY
THURSDAY
FRIDAY

USE OVER TIME

Classrooms and Class Labs Time Used Utilization rates are based on both time used and stations occupied. One reason for lower overall utilization rates is low weekly time use, especially on Fridays. The following charts identify how much time a room is used per week, by day.

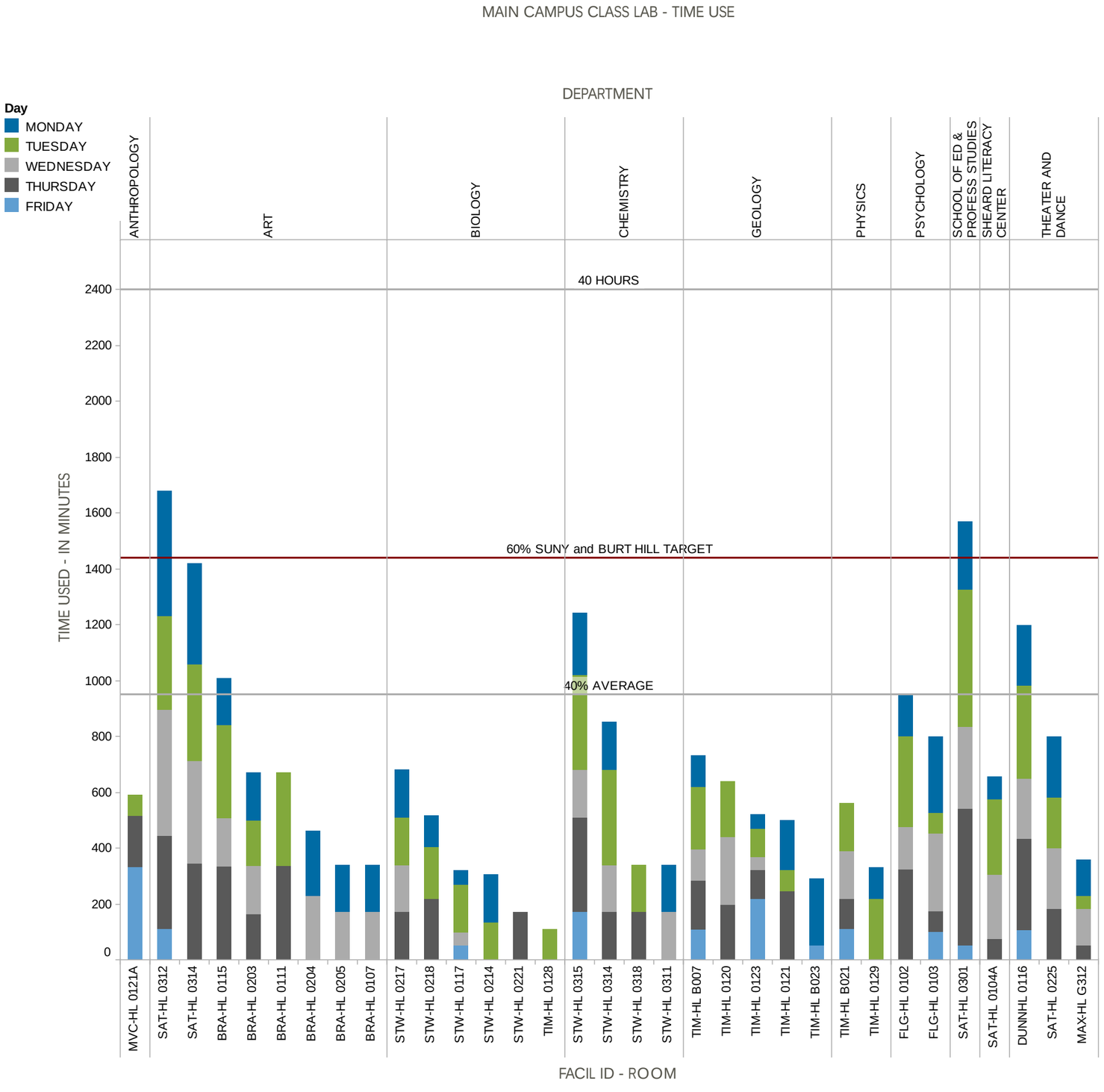
The chart on the left demonstrates the amount of time each main campus classroom is scheduled per week, by day. Both SUNY and Burt Hill target 75% time use as appropriate for this space type. Classrooms in Dunn Hall, Flagg Hall, and Satterlee Hall appear to be scheduled for the most amount of time. Time use on Fridays is also lower, which leads to lower weekly time use values. Tuesday is the most highly scheduled day of the week.

Two rooms (Flagg Hall 233 and Dunn Hall 206) meet this target. Every other classroom falls below the target with an average time use of 52%, or 20.8 hours. The two classrooms in Maxcy Hall are both infrequently scheduled for credit-bearing activity. The remote location of Maxcy Hall in comparison to the main academic quad is the main factor influencing the low utilization of the classroom. Due to these rooms being located in an athletic building, their use is more often dedicated to athletic program related activities, such as team meetings. The two classrooms could probably be removed from the learning environment inventory.

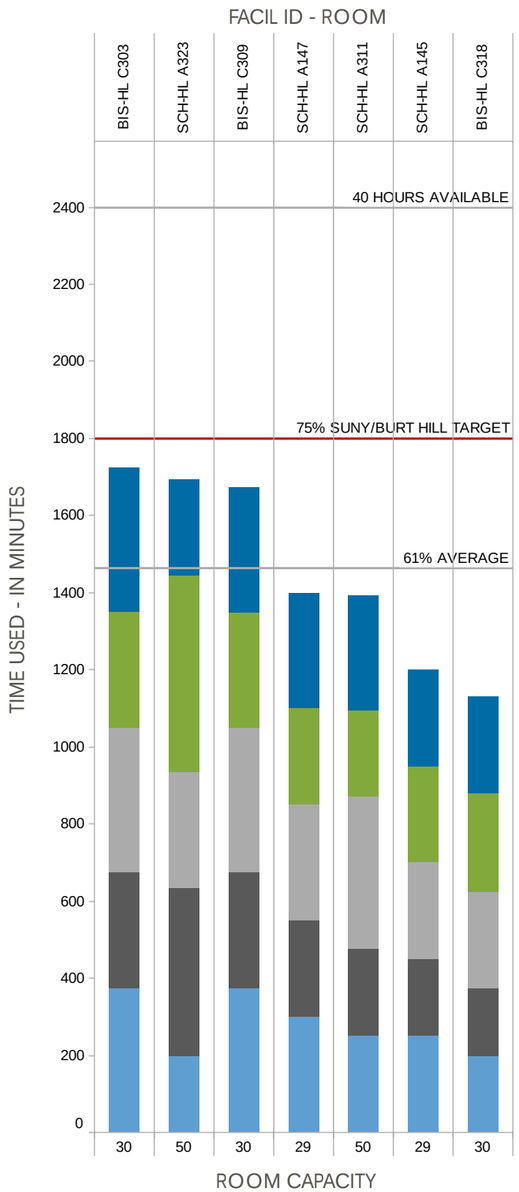
The chart to the right demonstrates the amount of time each main campus class lab is schedule per week, by day. Three class labs (Satterlee Hall 312, 314, and 301) meet the SUNY and Burt Hill target of 60% time use. Every other class lab falls below the target with an average time use of 40%, or 16 hours. In general, use is not consistent across the week for most class lab spaces with Friday representing the least scheduled day.

Use is also not consistent within a department's rooms, though this may be a function of varying levels of specialization. A room's specialization or suitability for other functions (research, rehearsal, etc) may drive its regular scheduled use down as a department may have other needs for the space. For example, lower time use is expected in Theater and Dance since significant time for out-of-class practice is required and the rooms can be used more efficiently if they serve both purposes. A detailed study of such spaces and how they are used beyond regular credit-bearing activities would be beneficial prior to future space modifications.

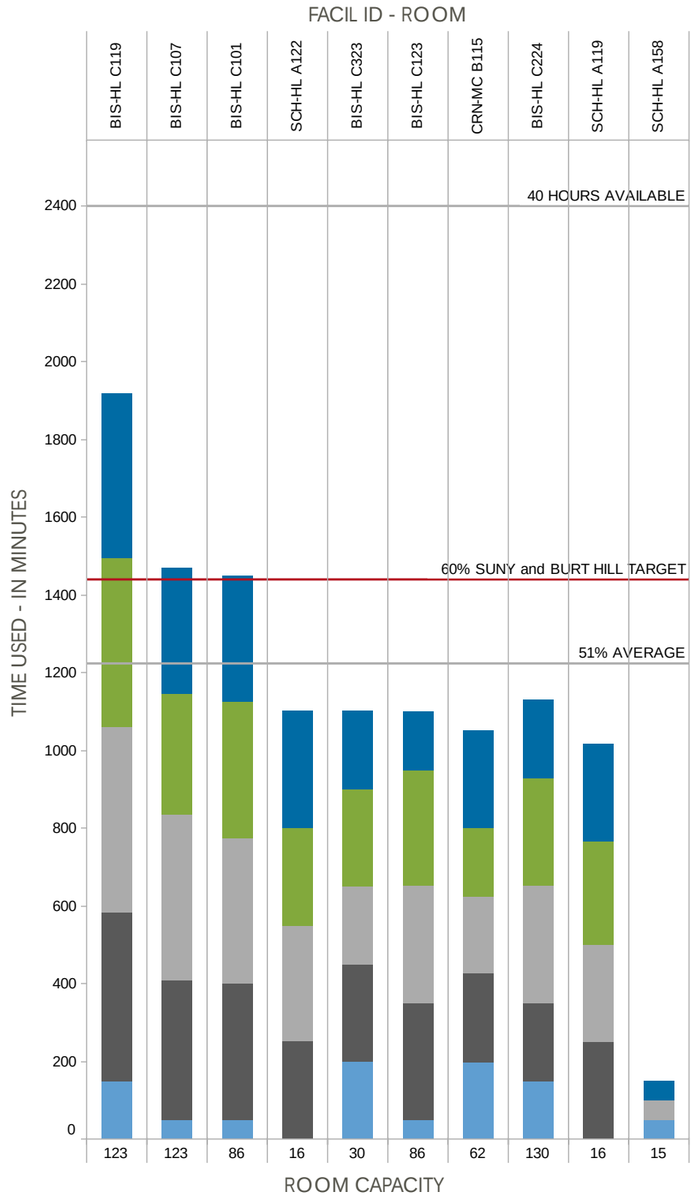
As the chart demonstrates, the one-size-fits-all model of tracking class lab utilization is beneficial for generating overall patterns of use but cannot address each room's unique qualities, functions, specialization, or additional uses. Other portions of the Facilities Master Plan study identify non-instructional departmental space and other department-specific information that augments and should be used in concert with this utilization study.



CRANE CLASSROOMS - TIME USE



CRANE CLASS LAB - TIME USE



CAPACITY

Crane Classrooms and Class Labs Time Used The chart to the far left demonstrates the amount of time each Crane School of Music classroom is scheduled per week, by day. Rooms are listed on the top and the amount of stations in that room is shown on the bottom. The same use targets have been applied to both the main campus and Crane of 75% time for classrooms. No Crane classrooms meet this target though average use is higher than main campus classrooms as 61%, or 24.4 hours. Use is fairly evenly split between Bishop and Schuette Halls as well as between larger (50 seat) and mid-size (30 seat) rooms. Use is also fairly consistent across the week with slightly lower use on Tuesdays and Thursdays.

Overall, this study finds these Crane classroom time use values to be appropriate given the level of specialization of all music instructional spaces and the need for out-of-class rehearsals occurring even in non-class lab spaces.

The chart to the near left demonstrates the amount of time each Crane class lab is scheduled per week, by day. Again, rooms are listed on the top and the amount of stations in that room is shown on the bottom. The same use targets have been applied to both the main campus and Crane class labs with SUNY and Burt Hill targeting 60% time use. Use on Fridays is significantly lower than every other day of the week, which drives overall weekly room time values down.

One Crane class lab (Bishop Hall C119) surpasses the 60% time use target. Two other spaces (Bishop Hall C107 and C101) also meet the target. All three of these rooms are fairly large (over 80 seats) and represent all but one of the large rehearsal rooms. The remainder of the class labs fall below the target but achieve a higher average than their main campus counterparts at 51%, or 20.4 hours.

Schuette Hall A158 is scheduled for the least amount of time (2.5 hours per week). This room is highly specialized with computers and software and serves an electronic composition function. Only one class is scheduled here, but it is available for the remainder of the week to the students as an open lab.

Time use is only one factor in overall utilization and a low time use is not the sole indicator of utilization performance. Station occupancy rates must also be considered for all space types within the study.

STATION OCCUPANCY

Main Campus Classroom and Class Lab Average Seat Use Another factor affecting overall utilization rates is station occupancy levels. Low station occupancy can have a dramatic impact on utilization values, especially in lecture halls. The following charts identify by week how many stations are filled, on average, when a room is used.

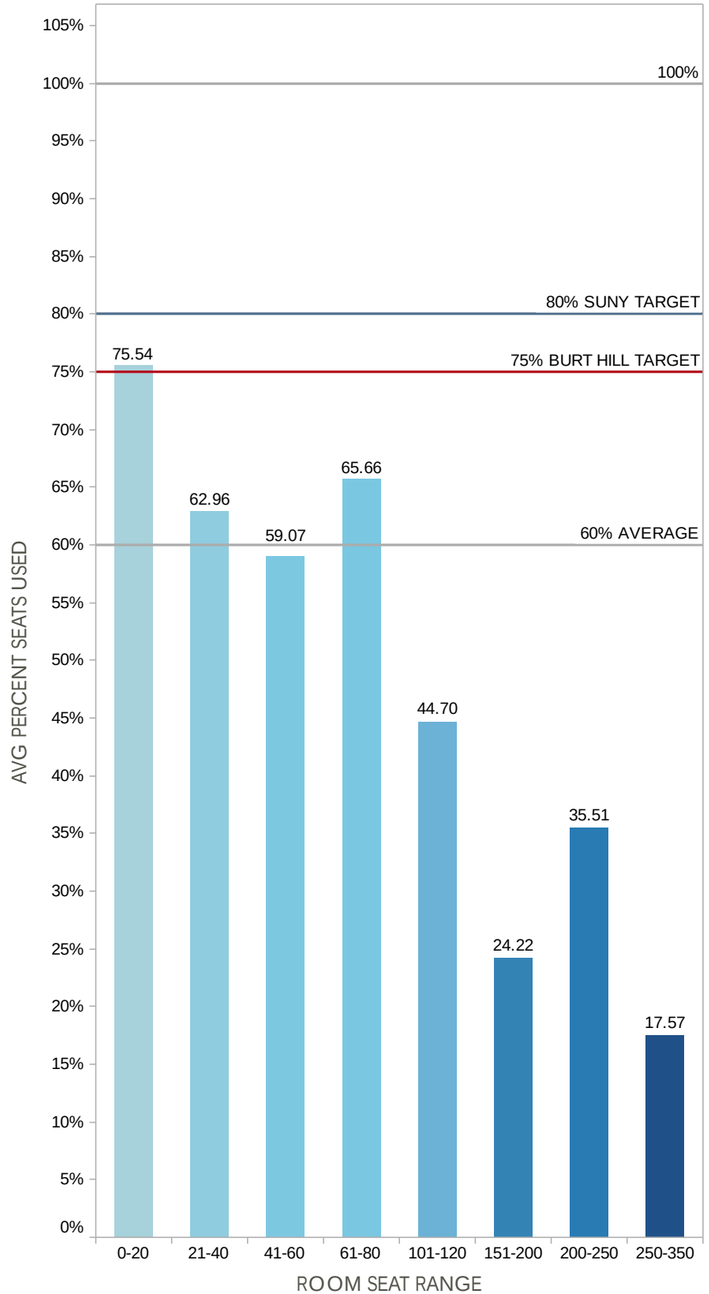
A room's capacity is how many seats are available for scheduling or how many students can be reasonably scheduled in that room. The station occupancy or seat fill represents the amount of seats used during a class, which is the same as the number of students enrolled in a class.

The charts to the right demonstrate average seat use when main campus classrooms and class labs are used, by room size or station range. For classrooms, SUNY targets 80% seat use and Burt Hill recommends a target of 75%. On average, no one classroom size group meets the SUNY target, though classrooms with 0-20 seats meets the Burt Hill target. All other room sizes fall below the target averaging at 60% seat use when a room is used. At SUNY Potsdam, rooms with 20 seats or less are best filled on average, though rooms less than 80 seats demonstrate relatively high seat use rates. Rooms of lecture hall size (over 80 seats) are not well filled on average, which contributes to a lower overall utilization rates.

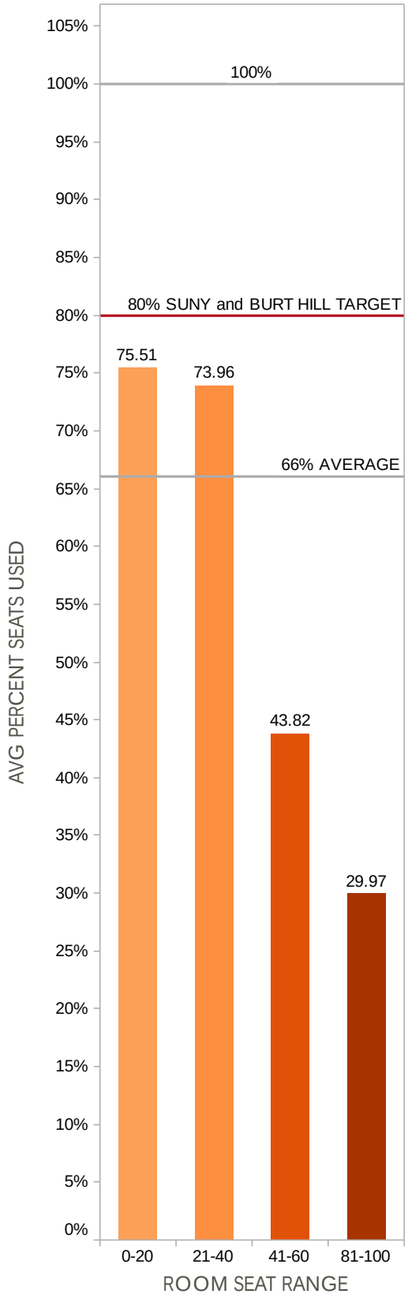
A similar pattern presents itself in main campus class labs - smaller rooms are better filled on average (as shown on the far right). SUNY and Burt Hill both target 80% seat use. No class lab size groups meet the this target. The average seat use for all class labs is 66%. Larger rooms are not as well filled on average, which will contribute to lower overall utilization rates.

Classrooms and class labs on average are not meeting SUNY's target seat fill rates, and only small classrooms are meeting Burt Hill recommended targets on average. The following pages will demonstrate each room type's station occupancy rates for both main campus and the Crane School of Music.

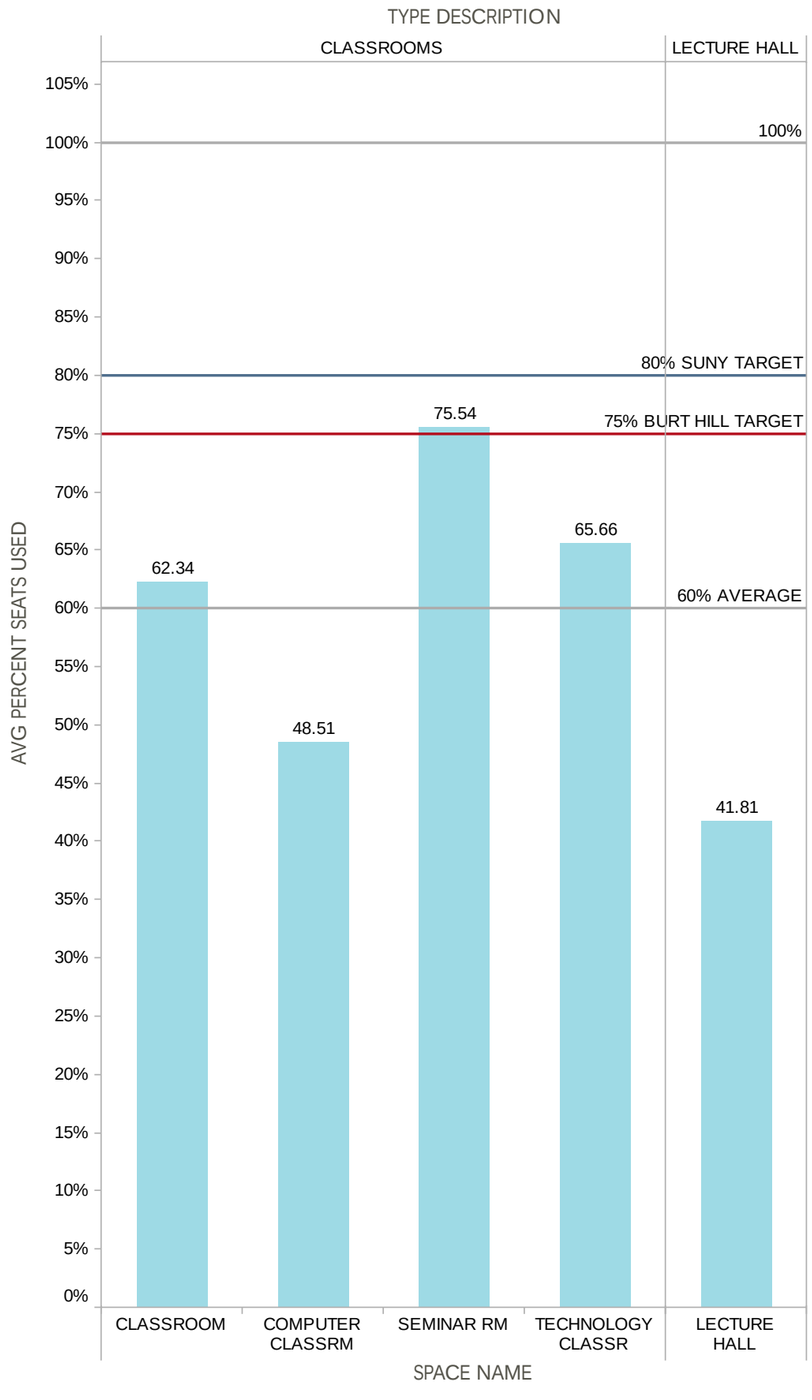
MAIN CAMPUS CLASSROOMS - AVG SEAT USE



MAIN CAMPUS CLASS LAB - AVG SEAT USE



MAIN CAMPUS CLASSROOMS - AVG SEAT USE



Main Campus Average Seat Use - Classrooms The chart to the left demonstrates main campus classroom station occupancy rates, on average, for different classroom space types. Rooms coded as seminar are better filled on average and meet the Burt Hill recommended target. No one space type meets the SUNY target for seat use.

Lecture halls represent the lowest station occupancy rates, on average. At SUNY Potsdam, not many classes are actually large enough to adequately fill these large classrooms. In conversations with college leadership, these smaller classes have been developed on purpose to reduce the faculty-to-student ratio and keep classes small. Priding themselves on being a liberal arts college, these smaller classes are integral to their mission. However, SUNY Potsdam has large resources on campus that are going under-filled.

The chart on the right demonstrates the average station occupancy rates for each classroom on campus. Dunn Hall 204 is regularly overfilled. Since this room has a 24-seat capacity, the 102% average seat fill equates to one additional seat on average. Six rooms meet or surpass the SUNY average target fill rate of 80%. Two more rooms meet the 75% Burt Hill recommended target. Though most classrooms fill more than half of the available seats on average, the values are still generally below targets.


MAIN CAMPUS CLASSROOMS - AVG SEAT USE
AVG PERCENT SEATS USED
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
100%
80% SUNY TARGET
75% BURT HILL TARGET
60% AVERAGE
DUNNHL 0204
MAX-HL G104
FLG-HL 0206
SAT-HL 0222
FLG-HL 0142
FLG-HL 0210
FLG-HL 0238
FLG-HL 0166
DUNNHL 0202
KEL-HL 0100
SAT-HL 0221
SAT-HL 0219
CAR-HL 0214
FLG-HL 0235
FLG-HL 0163
FLG-HL 0237
CAR-HL 0205
FLG-HL 0236
FLG-HL 0233
TIM-HL 0131
BRA-HL 0215
MRY-HL 0114
FLG-HL 0211
CAR-HL 0203
DUNNHL 0206
SAT-HL 0319
FLG-HL 0239
FLG-HL 0234
CAR-HL 0216
KEL-HL 0101
DUNNHL 0200
FLG-HL 0240
SAT-HL 0220
FLG-HL 0232
CAR-HL 0201
BRA-HL 0202
SAT-HL 0205
MVC-HL 0120
CAR-HL 0202
KEL-HL 0102
MAX-HL P220
CAR-HL 0101
SAT-HL 0310
KEL-HL 0104
STW-HL 0116D
STW-HL 0103
KEL-HL 0103
FLG-HL 0164
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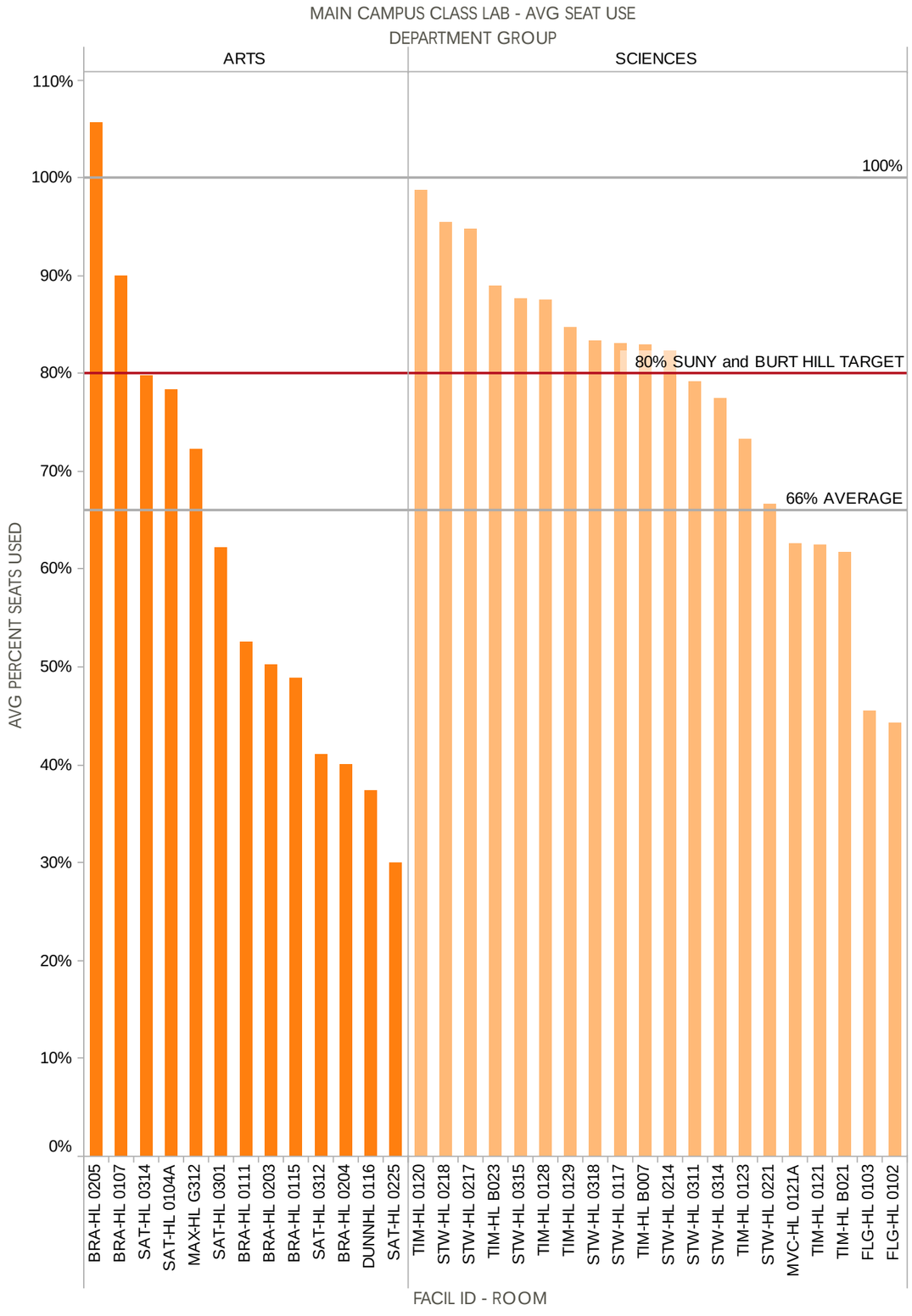
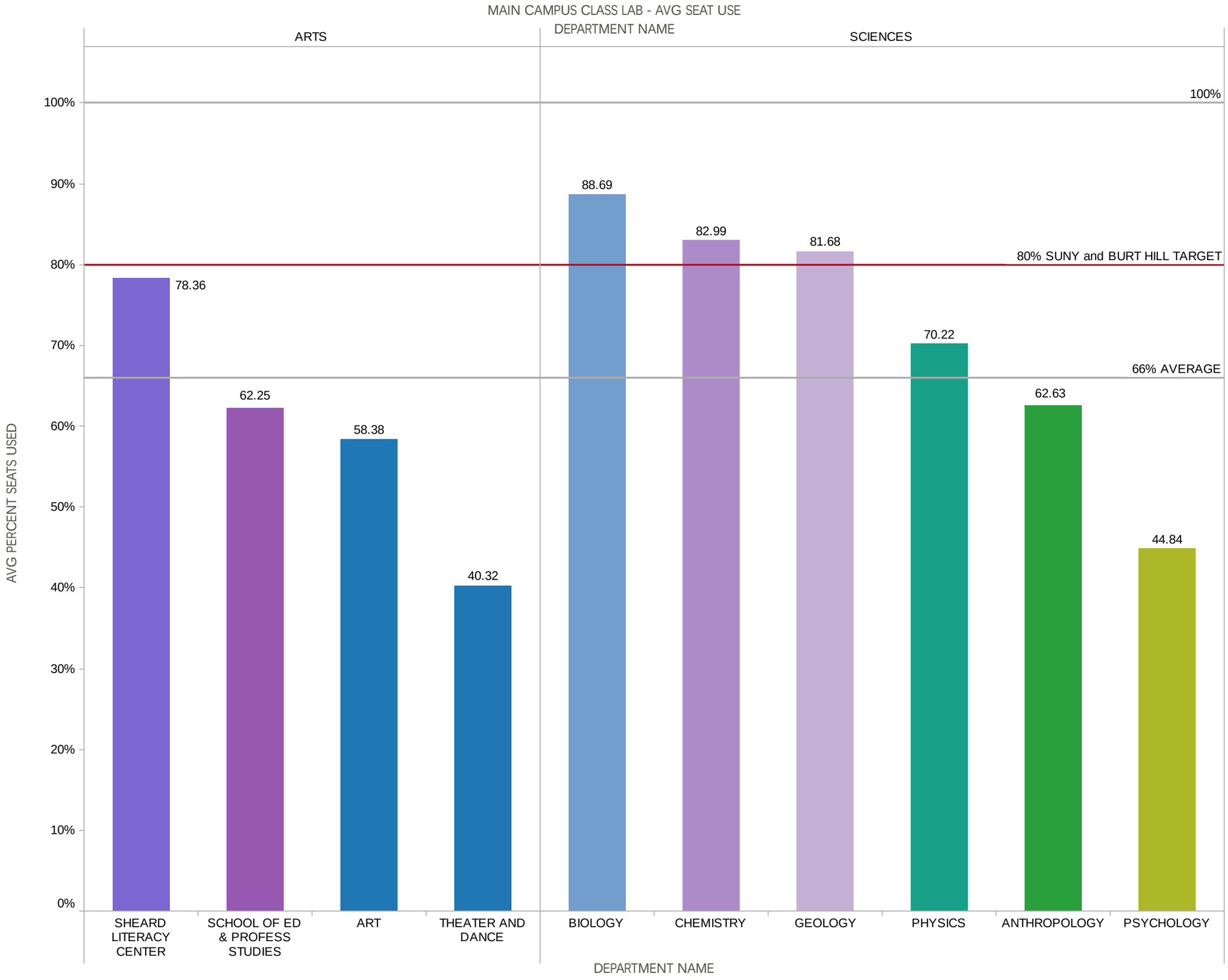
KEL-HL 0106
FACIL ID - ROOM

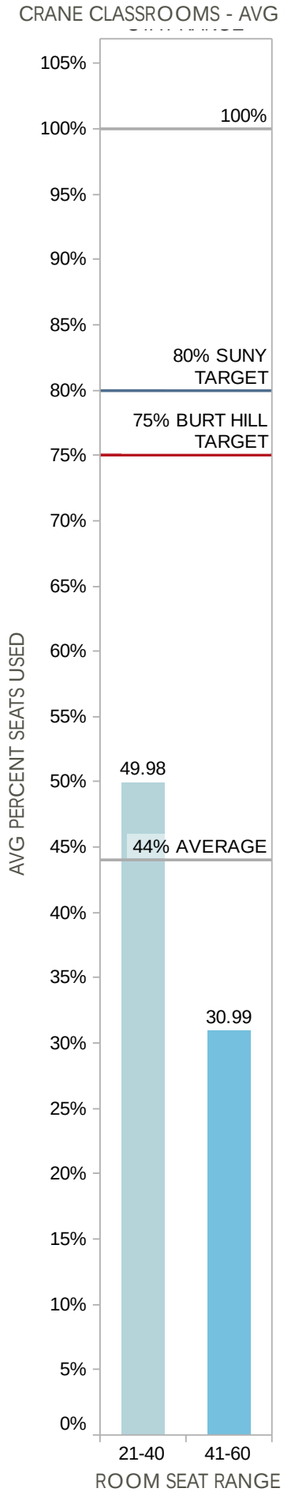


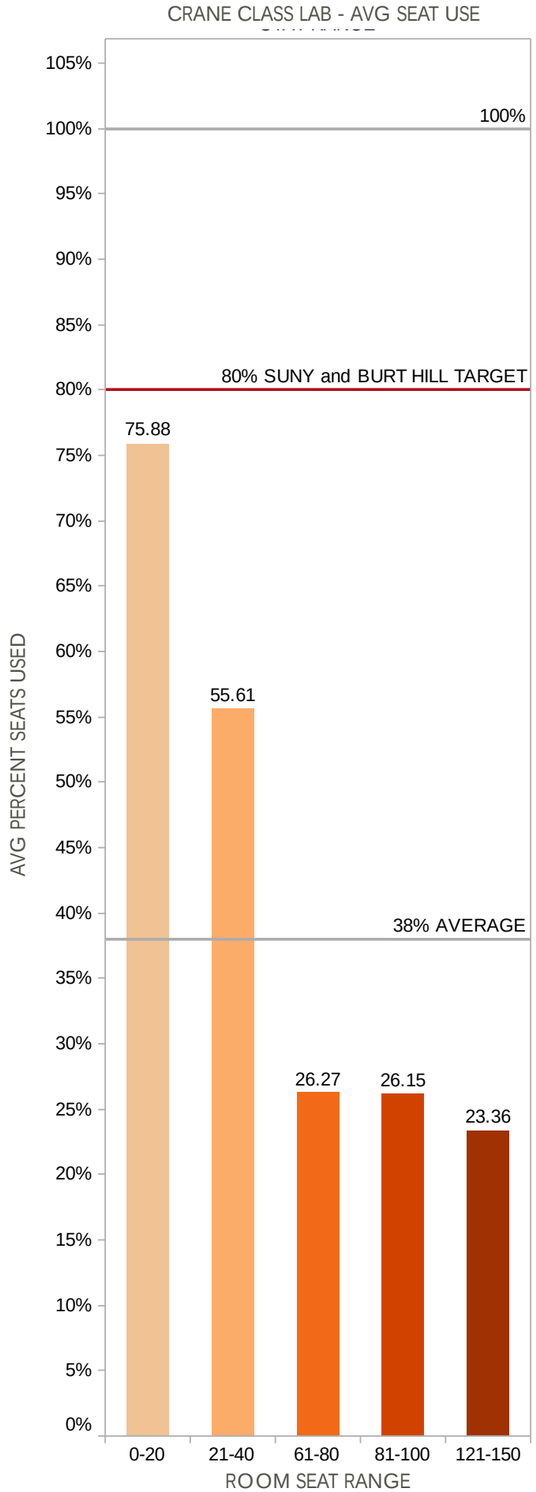
Main Campus Average Seats Use - Class Labs The chart to the right demonstrates main campus class lab station occupancy rates, on average, for different departments. Science class labs generally are better filled than class labs in the arts. Theater and Dance rooms appear to have the lowest average station occupancy rate, though this finding must be weighed against the size of their rooms. Many of the rooms owned by Theater and Dance are large and could support a large number of stations (50-80 “seats”). However, rarely are a high percentage of those stations filled due to the nature of Theater and Dance courses. Large spaces are required for the curriculum regardless of enrollment or students per class. Also, significant area is required for certain activities, so though even a large amount of students could fit in a space, a course may not schedule anywhere near that many. Class lab seat fills average at 66%.

The chart to the left demonstrates the average station occupancy rates for each main campus class lab. Brainerd Hall 205 averages above 100% seats filled on average, which again equates to one additional seat on average. This room is specialized as a print making studio and the current area per station exceeds the SUNY guidelines by 22 SF. Since the area per station is high, and additional seat brought into the room is most likely not detrimental to the space, though there is no flexibility since all the seats are typically used when the room is scheduled.

Most of the science class labs surpass the SUNY target, with half surpassing the Burt Hill recommended target. Though these rooms are well-filled, their time use is generally low. This finding indicates that more smaller sections of the courses in these rooms may produce better utilization by increasing time use and decreasing station occupancy rates toward target levels for both factors.


MAIN CAMPUS CLASS LAB - AVG SEAT USE
DEPARTMENT NAME
ARTS
SCIENCES
AVG PERCENT SEATS USED
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
100%
80% SUNY and BURT HILL TARGET
66% AVERAGE
78.36
62.25
58.38
40.32
88.69
82.99
81.68
70.22
62.63
44.84
SHEARD LITERACY CENTER
SCHOOL OF ED & PROFESS STUDIES
ART
THEATER AND DANCE
BIOLOGY
CHEMISTRY
GEOLOGY
PHYSICS
ANTHROPOLOGY
PSYCHOLOGY
DEPARTMENT NAME





STATION OCCUPANCY

Crane Classroom and Class Lab Average Seat Use The charts to the left represent station occupancy rates in Crane School of Music classrooms and class labs, by room size. The classrooms are significantly under filled on average, demonstrating only 44%. Smaller class labs (less than 20 seats) are best filled, coming the closest to the SUNY and Burt Hill 80% target. As class lab room sizes increase, station occupancy rates decrease - a similar finding across campus. Large Music spaces are similar to large Theater and Dance rooms: more space my be required per student depending on the activity.

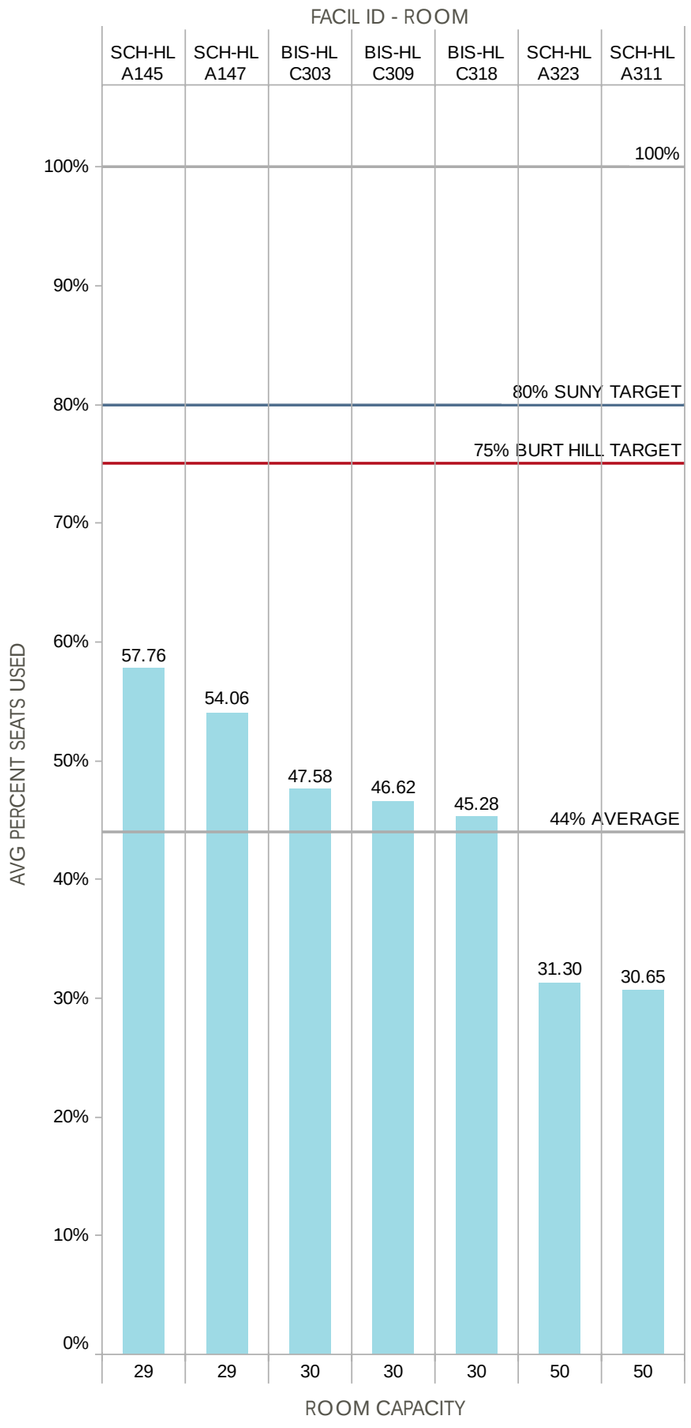
A chorus ensemble requires much less space than a percussion ensemble and the same number of students cannot be scheduled for both. Instrumental rehearsal typically requires at least a chair and a music stand, not to mention clearance for the instrument itself. Therefore, this study finds lower station occupancy rates in the larger rooms appropriate given the room functions and program requirements.

The charts to the right represent station occupancy rates for each Crane classroom and class lab. No classrooms meet the station occupancy targets whereas two class labs do. The class lab with the highest station occupancy rate (Schuette Hall A158) is the room with the lowest time use (1 course, 2.5 hours). Since only one class meets in this electronic composition room and the remainder of the week is available for student use, the room is expected to be filled above targets in order to maximize it's use when it is used for scheduled activity. If interest grows to demonstrate seat fills at roughly 100%, additional sections of this course may be considered to increase time use and decrease average seat fill.

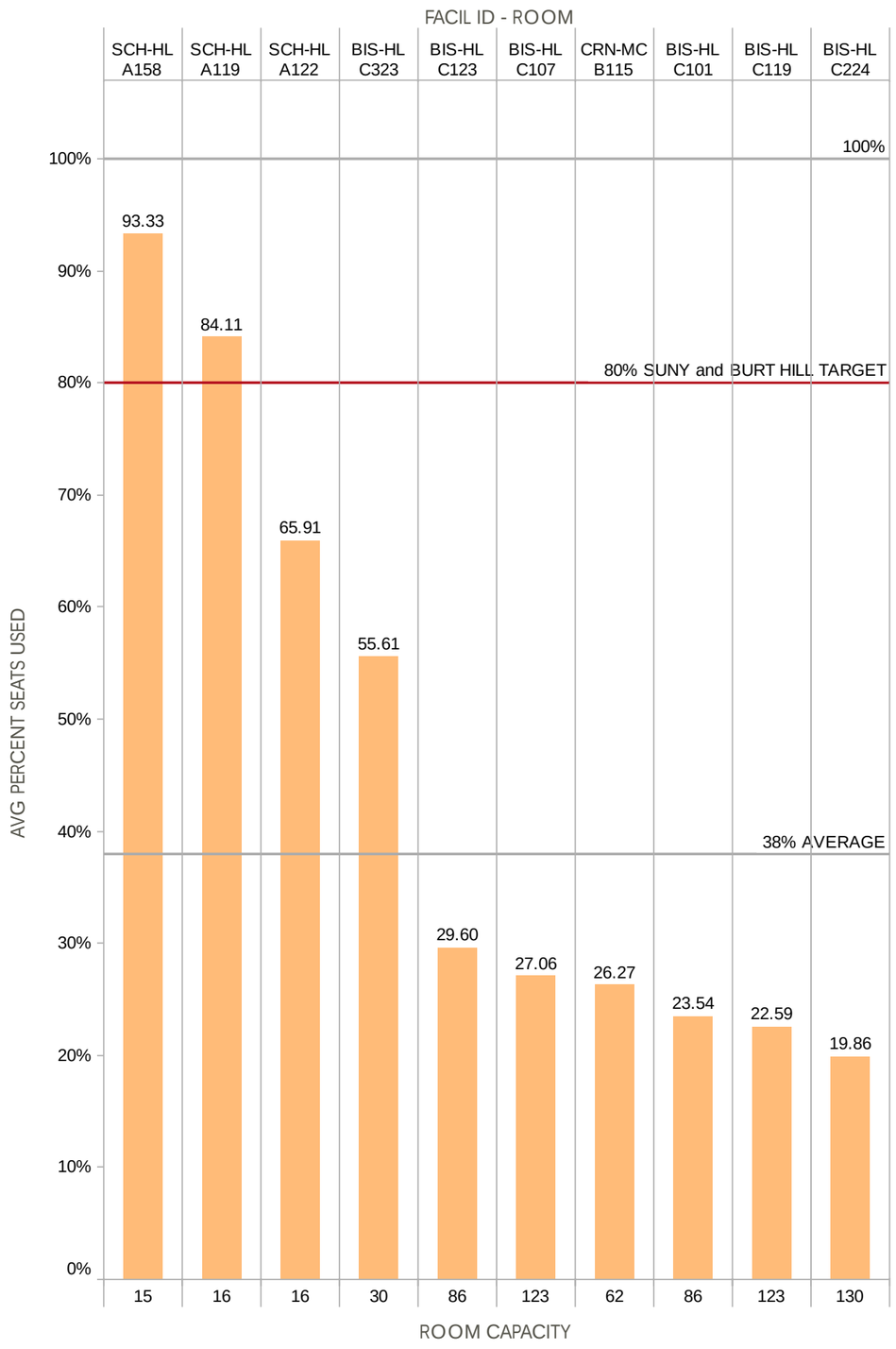
The largest class lab has the lowest seat use, which will decrease its overall utilization performance, though the room is used a fair amount of time (47%).

Time used and seats filled are the primary factors affecting overall room utilization rates, which aggregate use across the week. Peaks in use may be present at specific times of day or on specific days of the week that may be causing pressures on the schedule or pressures in particular room types. Use must be charted over time in order to understand these peaks and how they affect utilization.

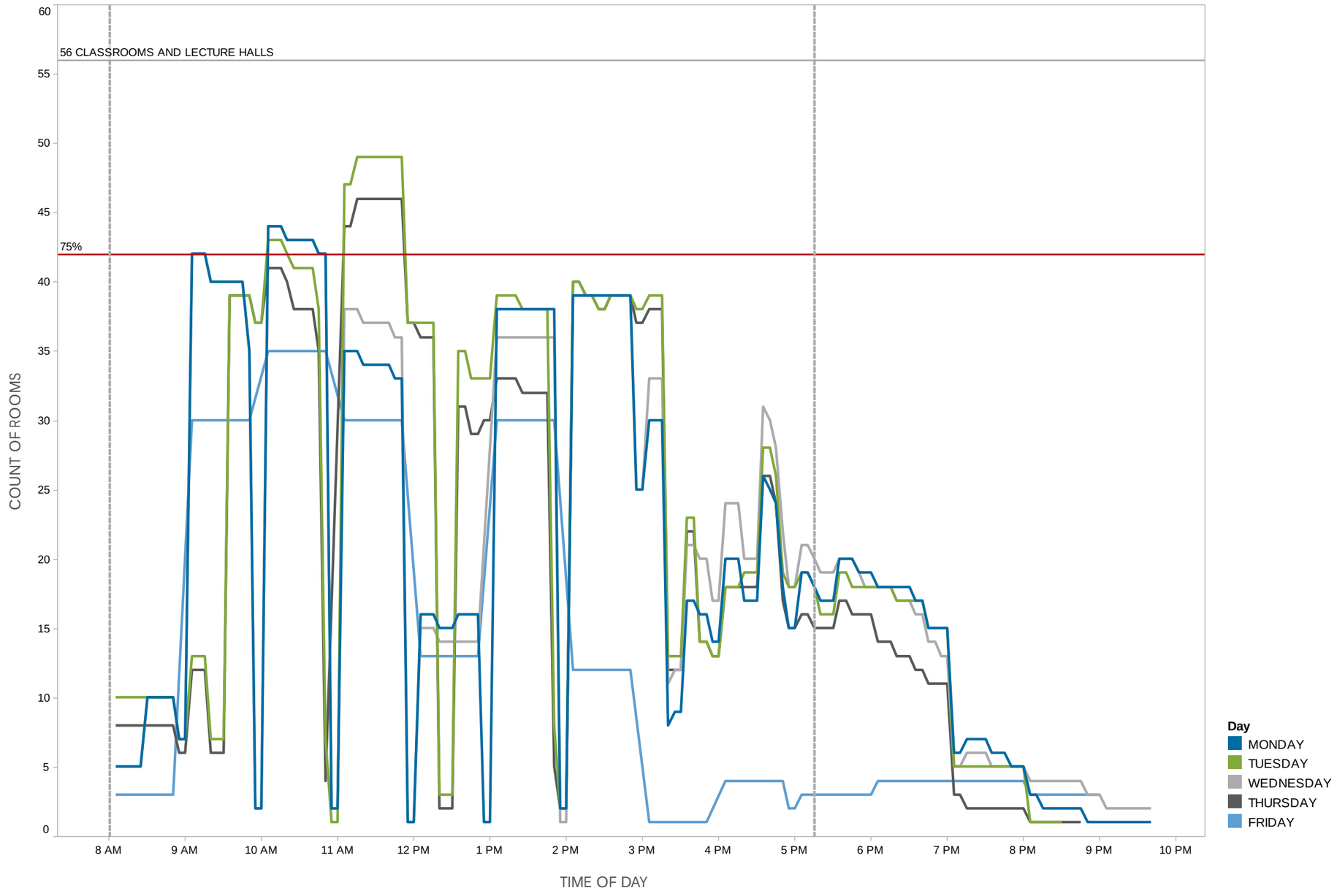
CRANE CLASS LAB - AVG SEAT USE



CRANE CLASS LAB - AVG SEAT USE



MAIN CAMPUS CLASSROOMS - COUNT OF ROOMS USED OVER TIME



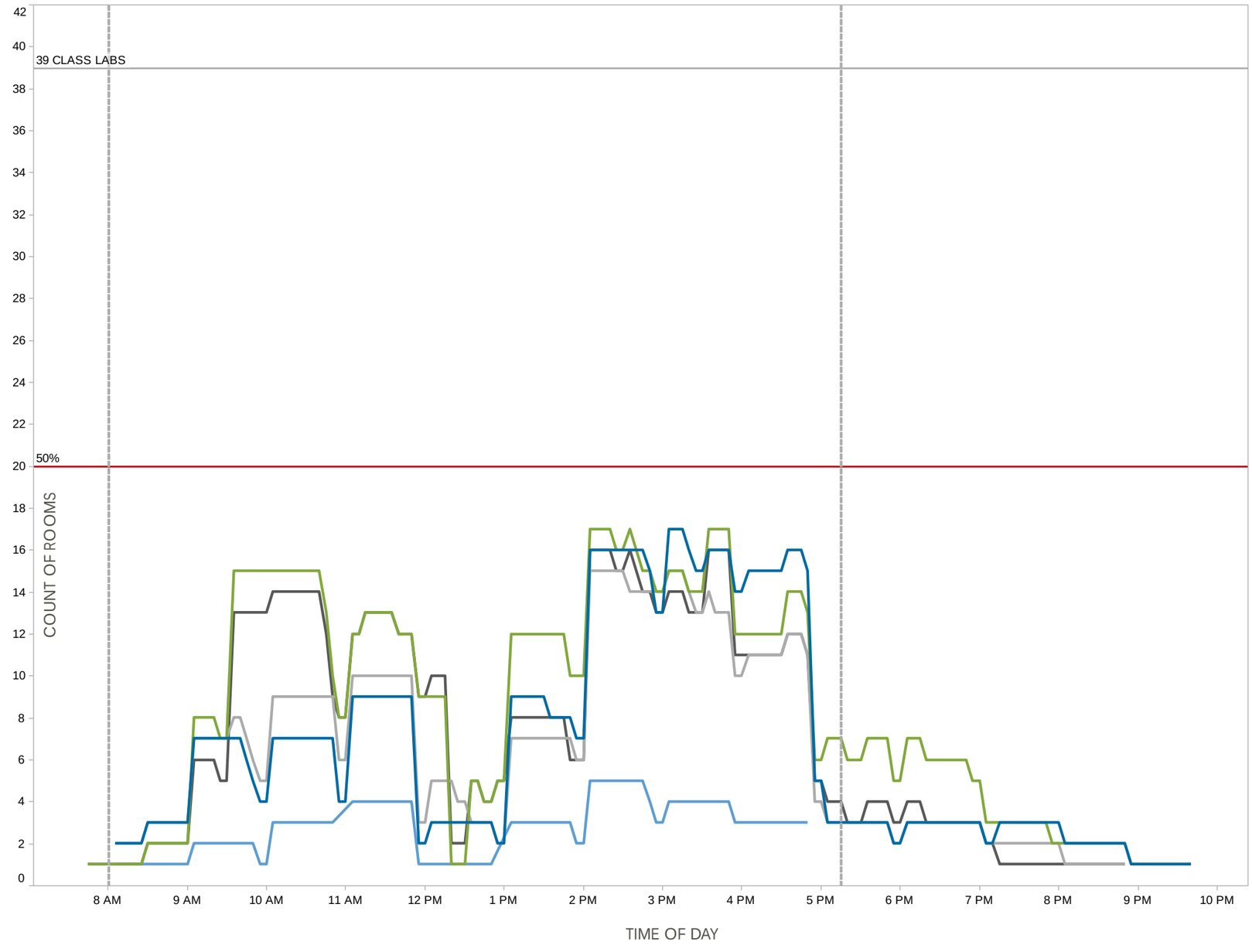
USE OVER TIME

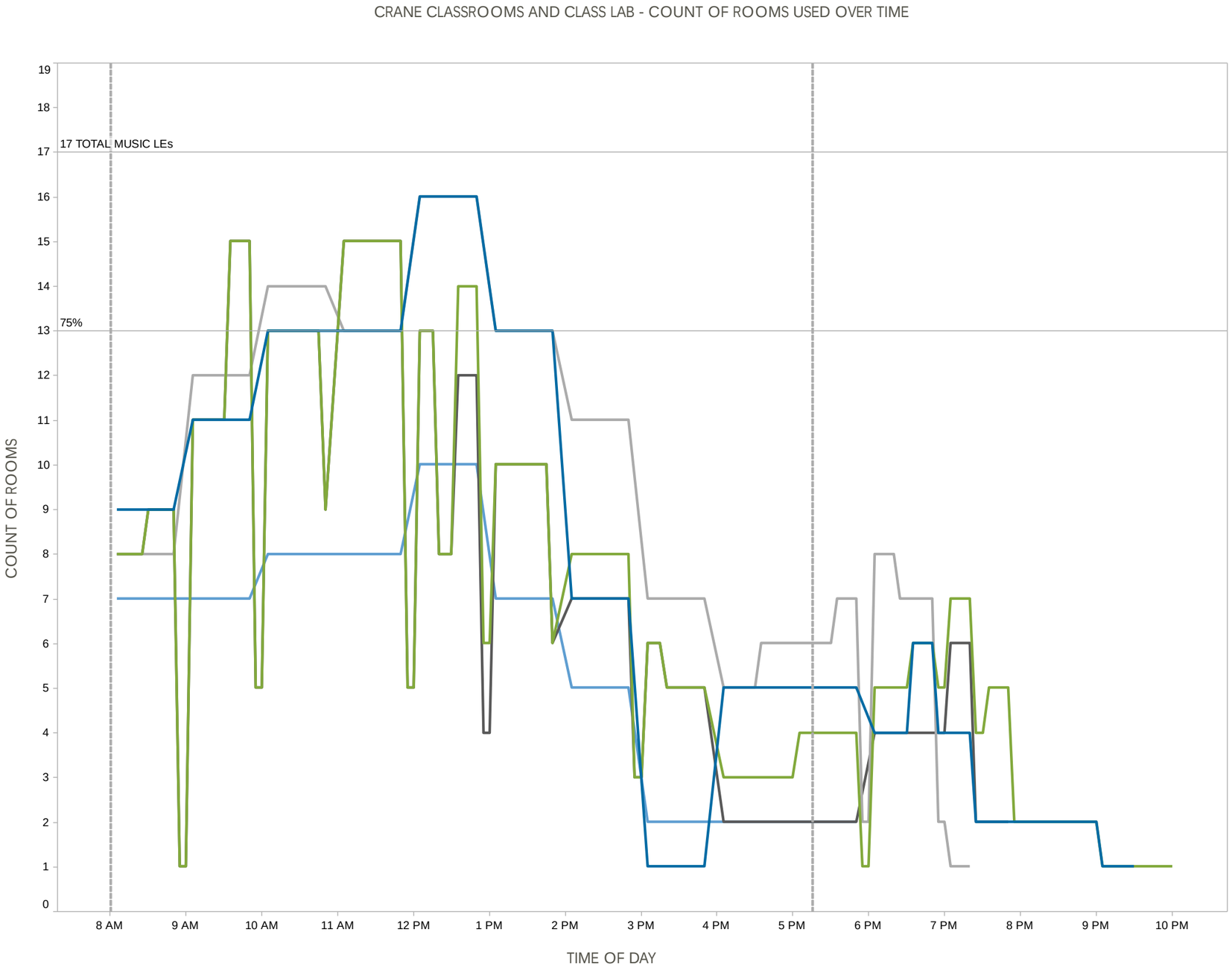
Main Campus Classroom And Class Lab Use Perceptions of how rooms are used or what inventory is required are often based on moments of strain in the schedule – short periods of time where room availability is low and course offerings are most dense. By identifying these scheduling peaks, the associated valleys become opportunities to flatten the peak and use the available inventory more uniformly across the day and the week. More uniform use leads to less strain on scheduling and better perceptions of room availability.

These line charts identify the amount of rooms used at any given time throughout the day for each day of the week - classrooms to the left and class labs to the right. This study recommends that roughly 75% of the classroom inventory and 50% of the class lab inventory can/should be used during peak schedule hours (8:00 am – 5:00 pm). When significantly more than 75% of the inventory is used, flexibility is limited and strain is felt in the schedule. SUNY does not have a guideline for how many rooms should be scheduled at any given time.

For classrooms, peak use on main campus is between 11:00 am and 12:00 pm on Tuesdays and Thursdays. Opportunities for increased utilization are before 9:00 am, over lunch, and after 3:00 pm every day. Class labs are better used in the afternoon than the morning, and they are scheduled significantly less on Friday than any other day, which presents itself as an opportunity for increased utilization. Evening use for both classrooms and class labs could be increased, though this study does not evaluate evening space use as part of the utilization value.

MAIN CAMPUS CLASS LAB - COUNT OF ROOMS USED OVER TIME





USE OVER TIME

Crane Classoom and Class Lab Use The chart to the left shows the amount of Crane classrooms and class labs used at any given time for every day of the week. Classrooms and class labs have been combined to demonstrate overall use of Crane instructional spaces. Though Monday shows the highest peak, Tuesday has a more prolonged peak. Opportunities for increased utilization are before 9:00am and after 3:00pm on every day. Room use is less in the afternoon, which occupies a significant percentage of students in few large capacity rooms.

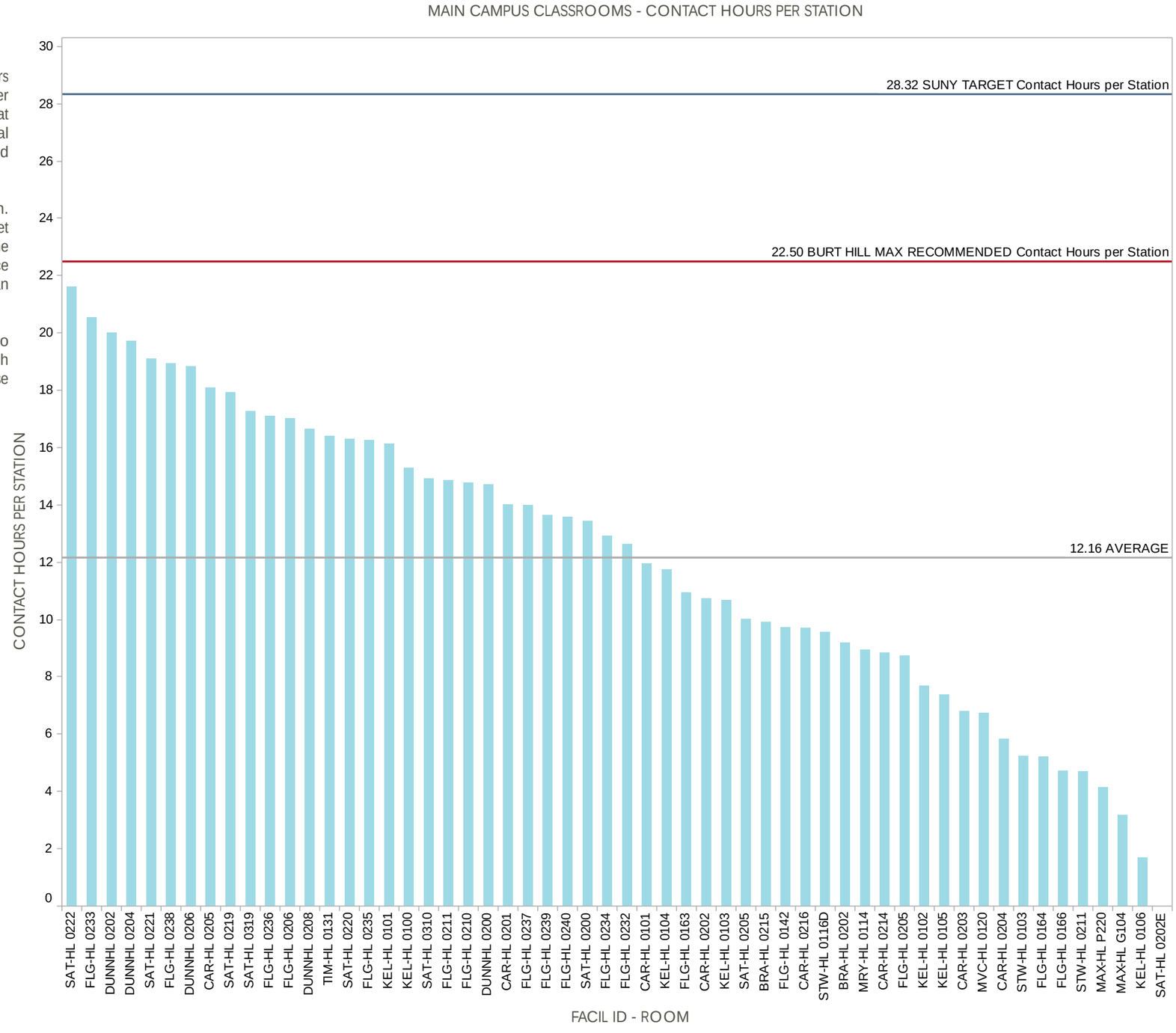
The Crane School of Music has identified that even though at peak, only one room is open, they can comfortably schedule their coursework within their spaces. They feel there is enough flexibility and capacity in the spaces they currently have to meet their needs. This study shows that there is a small portion of additional capacity available in both time and seats to comfortably allow for minimal growth.

OVERALL PERFORMANCE

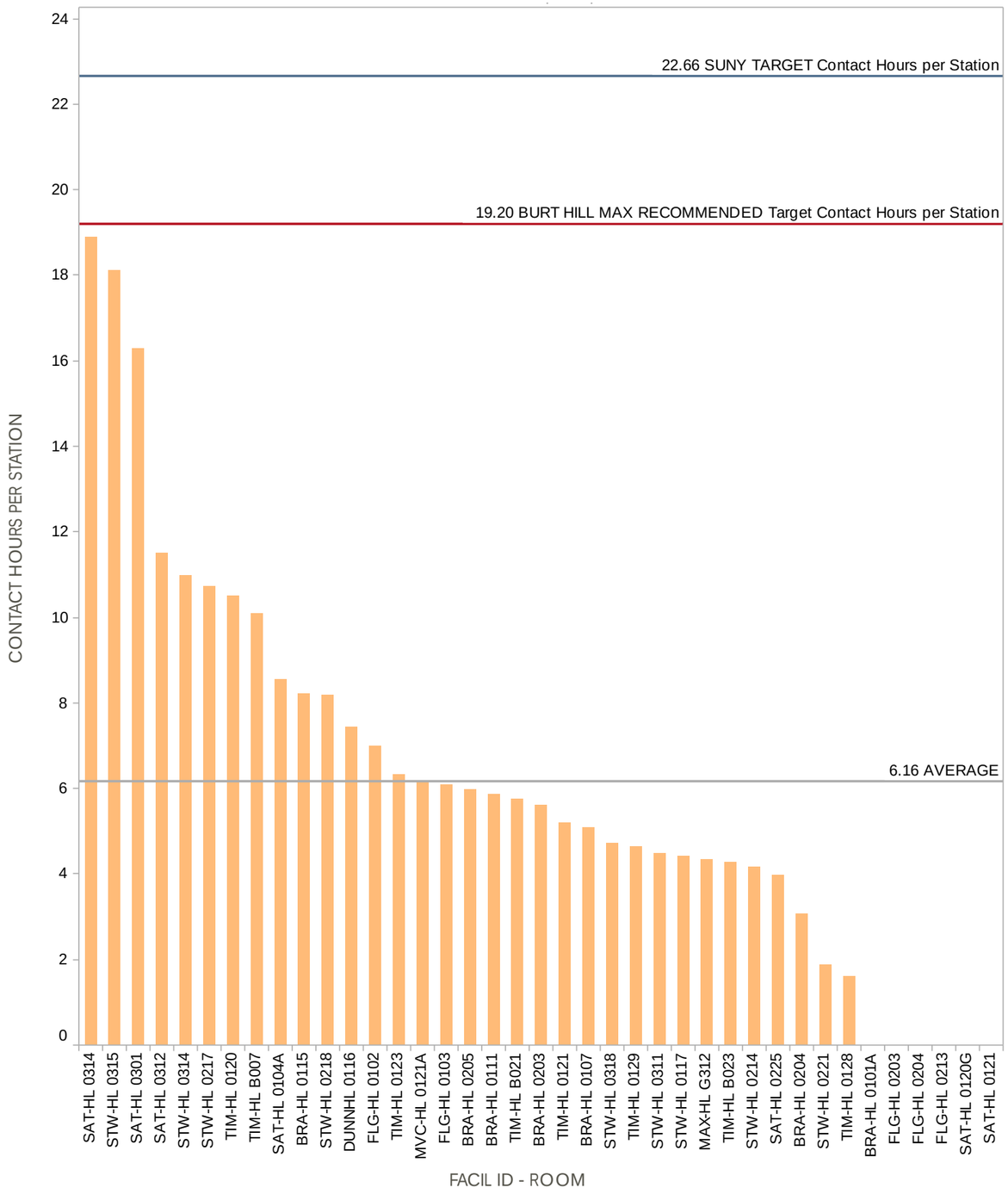
Contact Hours Per Station Overall classroom utilization is given in contact hours per station, which is an aggregation of both time use and average seats filled per room. This value acts as a measure of performance for instructional spaces that support regular credit-bearing activity. The following charts identify the actual contact hours per station per room and how they measure against both SUNY and Burt Hill recommended targets.

The chart to the right identifies the main campus classroom contact hours per station. No classroom meets the SUNY target of 28.32 or the Burt Hill recommended target of 22.50, resulting in an average of 12.16 contact hours per station - 43% of the SUNY target, 54% of the Burt Hill target. Main campus classroom performance is therefore identified as low and bearing additional unused capacity which can support future student FTE growth.

Satterlee Hall 202E is shown to have a contact hour per station value of zero because this room was not scheduled for credit-bearing activity in Fall 2008 though it has been identified as an instructional resources by SUNY Potsdam. The non-use of this room underscores the low utilization rate across all classrooms.



MAIN CAMPUS CLASS LAB - CONTACT HOURS PER STATION



OVERALL PERFORMANCE

Contact Hours per Station The chart to the left identifies the main campus class lab contact hours per station. No class lab meets the SUNY target of 22.66 or the Burt Hill recommended target of 19.20, resulting in an average of 6.16 contact hours per station - 27% of the SUNY target, 32% of the Burt Hill target. Main campus class lab performance is therefore identified as low and bearing additional unused capacity which can support future student FTE growth.

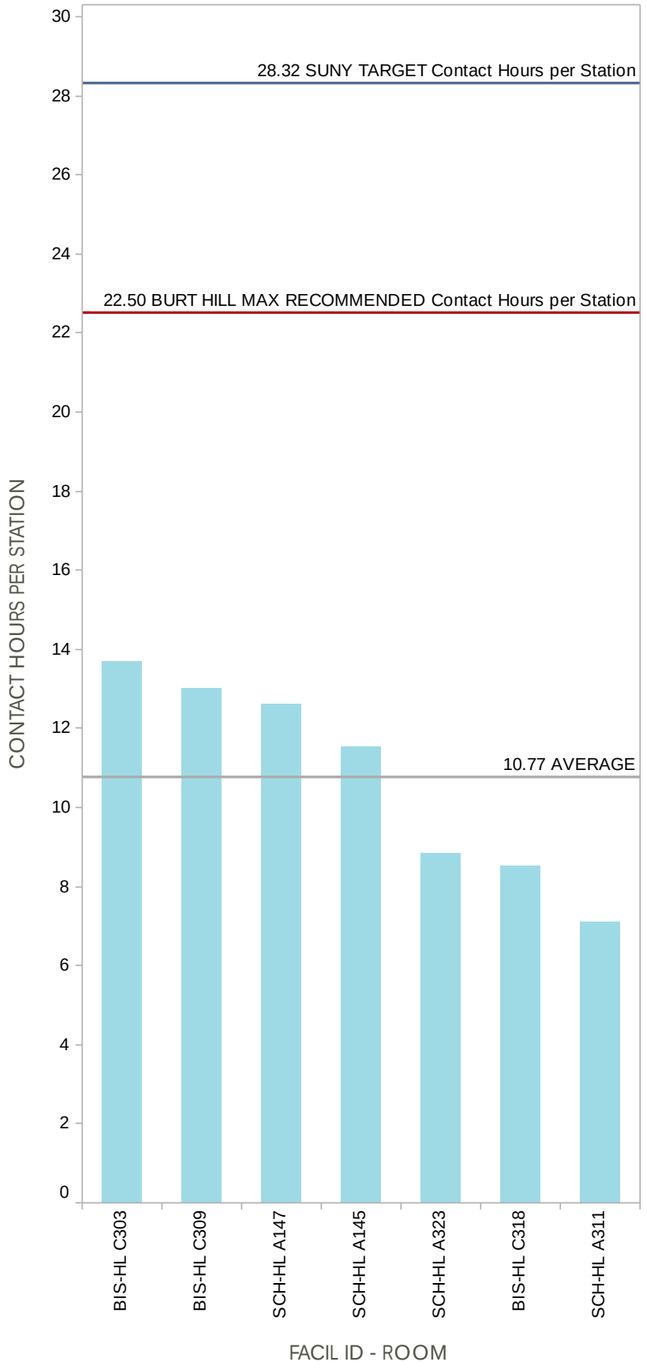
The following rooms were not scheduled in Fall 2008 and demonstrate zero contact hours per station:

- Brainerd Hall 101A
- Flagg Hall 203
- Flagg Hall 204
- Flagg Hall 213
- Satterlee Hall 120G
- Satterlee Hall 121

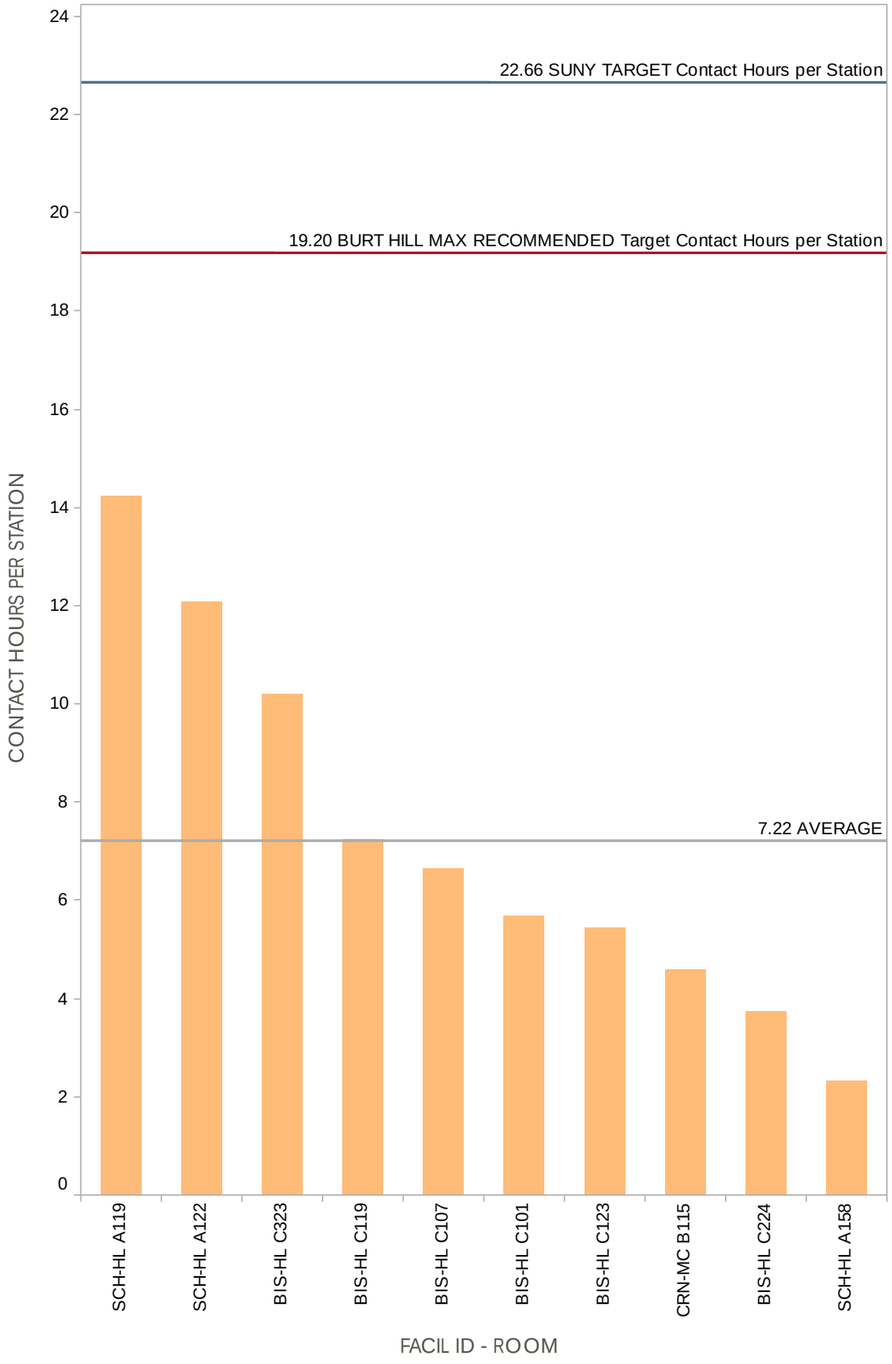
Though these rooms did not carry regular credit-bearing activity, they may be used for other purposes, whether they be departmental or otherwise irregular. Though SUNY Potsdam has identified these spaces as instructional, re-evaluation may be appropriate to best describe the use of these rooms.

The charts to the right identify the Crane School of Music classroom and class lab contact hours per station. No classroom or class lab meets the SUNY or Burt Hill recommended targets. Classrooms average at 10.77, or 38% of the SUNY target, 48% of the Burt Hill target. Class labs average at 7.22, or 32% of the SUNY target, 38% of the Burt Hill target. Crane instructional space performance is therefore identified as low and bearing additional unused capacity which can support future student FTE growth. As previously stated, Crane use is expected to be below targets and growth should be minimized to maintain the program effectiveness.

CRANE CLASSROOMS - CONTACT HOURS PER STATION



CRANE CLASS LAB - CONTACT HOURS PER STATION



SUMMARY:

Analysis/Critique Of Utilization Rates Overall, classrooms and class labs are significantly below target use levels given by SUNY as well as those recommended by Burt Hill; which is a reflection of both low time use levels and low station occupancy rates. This finding indicates, in a broad sense, that the campus can support significantly more students within the current learning environment inventory and/or can take classrooms or class labs offline for renovation or repurposing. Overall, the analysis has proven that there is no need for an academic surge building to accommodate the necessary full building renovations and departmental relocations. Through the use of project phasing, single academic buildings can be completely shut-down for the duration of a full building renovation.

Modifications to scheduling can alleviate the stress felt between 11am and 2pm on Monday through Thursday. Opportunities for increased utilization are before 9:00 am, over lunch, and after 3:00 pm every day. Increasing scheduling of class labs on Fridays is another opportunity for improved utilization. Evening use for both classrooms and class labs could be increased, though this study does not evaluate evening space use as part of the utilization value. There is no need for new classroom or class lab space on the campus, however, if the schedule can not be modified enough to improve class lab utilization rates there may be the need to repurpose existing space into class lab space. Therefore, there will not be an increase in total net assignable square feet on campus, simply a reallocation of existing space.

The following rooms have been identified in this study as having the lowest utilization rates:

Top Ten Worst Performing Rooms

1. Kellas 106 (Classroom, Lecture - 336)
2. Timmerman 128 (Class Lab, Physics Lab - 24)
3. Stowell 221 (Class Lab, Physio Lab - 24)
4. Schuette A158 (Class Lab, Elec. Music - 15)
5. Maxcy G104 (Classroom, General - 50)
6. Brainerd 204 (Class Lab, Lito Studio - 24)
7. Maxcy P220 (Classroom, General - 28)
8. Bishop C224 (Class Lab, Music Auditorium - 130)
9. Stowell 211 (Classroom, Lecture - 200)
10. Flagg 166 (Classroom, Seminar - 14)

Maxcy classrooms do not perform well and could be removed from the instructional inventory, which would better identify them as the functions they currently serve - meetings and other non-class uses. This would decrease the total inventory of classrooms, but would aid in improving overall classroom utilization. Conversely, Schuette A158 is also used as an open lab outside of class time and should not be removed from the instructional inventory. Large lecture/auditorium spaces suffer from low average station occupancy rates that drive down utilization, despite the low rates Burt Hill does not recommend altering the large lecture hall / auditorium space inventory. The spaces are currently utilized for non-credit bearing activities and events, in addition to credit bearing academic programs; therefore the inventory should remain as existing.

A small number of rooms have been identified by this study as coming close to the SUNY or Burt Hill recommended targets for use:

Top Five Best Performing Rooms

1. Satterlee 314 (Class Lab, Art Studio - 30)
2. Stowell 315 (Class Lab, Chemistry - 24)
3. Satterlee 222 (Classroom, General - 40)
4. Flagg 233 (Classroom, General - 30)
5. Satterlee 301 (Class Lab, Sci/Math Lab - 30)

These rooms listed above are performing well in regards to the rest of the inventory and measure in the 70-85th percentile for utilization. Note that these rooms are mid-sized, which represents the most demanded room size on campus according to the registrar's office. The physical attributes and other qualitative aspects of these rooms and other desirable rooms on campus should be evaluated and potentially repeated across campus to convey a positive learning experience.

Utilization shown as contact hours per station aggregates the factors of time use and station occupancy, so each factor must be understood in order to affect change. The target use levels for each factor have been applied equally across the college, which intends to offset the varied needs of each program. As demonstrated with Theater and Dance, this one-size-fits-all model of tracking utilization does not accurately reflect the varied pedagogies, space needs, and curriculums for all programs at a diverse liberal arts college such as SUNY Potsdam and detailed analysis will be required for programs within the scope of future campus projects.

CALCULATION OF SPACE FACTOR CONTACT HOURS

SPACE FACTOR ANALYSIS

SUNY uses a mathematical formula to calculate space needs. Using target values for utilization, average square foot per station, and contact hours, an idealized area value can be determined independent of existing space inventories.

Utilization - measured in contact hours per station - is the combination of target time and seat use, as discussed in the previous sections. Target utilization rates, not actual ones, are used for this calculation. Therefore, the following utilization values will be used:

UTILIZATION

SUNY
- Classrooms: 28.32 target Contact Hours per Station
- Class Labs: 22.66 target Contact Hours per Station

BURT HILL
- Classrooms: 22.50 target Contact Hours per Station
- Class Labs: 19.20 target Contact Hours per Station

The average square foot per station value has been defined by SUNY in the Facility Programming Guidelines, published by the State University Construction Fund. Burt Hill has proposed alternative space allocations as recommendations to SUNY of modern space planning metrics. The following average square foot per station values will be used:

AVERAGE SQUARE FOOT PER STATION

SUNY
- Classrooms: 16 target Square Feet per Station
- Class Labs: 50 target Square Feet per Station

BURT HILL
- Classrooms: 20 target Square Feet per Station
- Class Labs: 60 target Square Feet per Station

Contact hours represent the actual amount of time each enrolled student spends being instructed. Since this analysis seeks to understand classroom and class lab space needs, the instructional hours have been limited to only those that occur, or should occur, in classrooms and class labs. The Fall 2008 schedule has been verified with the college and any courses that have been cancelled, have no students enrolled, or do not meet in classrooms or class labs (such as a credit bearing tennis course that meets in an athletic facility) have been removed from this analysis. Therefore, this contact hour calculation is not indicative of all contact hours at the college as some instruction may occur in other venues.

One contact hour is not equivalent to a credit hour and therefore is not directly transferable into FTEs, which are based on credit hours. Credits are loosely associated with the actual amount of time spent in a class, though this can hardly be considered a rule, especially for lab courses. 1 FTE equals 15 credits for undergraduates, 12 credits for graduates.

To determine the weekly contact hours delivered during the Fall 2008 semester, each course's time per week is multiplied by the amount of students enrolled. If 1 student is enrolled in a course that meets Monday, Wednesday, Friday for 50 minutes each session (2.5 hours a week), that would represent 2.5 contact hours. If that same course had 30 students enrolled, that would represent 75 contact hours, or 30 students x 2.5 hours. This is done for every course in the Fall 2008 semester that meets in a Classroom or Class Lab.

Consistent with the utilization study, these contact hour values have been divided between Main Campus and Crane courses, and then again by Classrooms and Class Labs, which results in the following:

WEEKLY CONTACT HOURS

MAIN CAMPUS
- Classrooms: 37,088 Weekly Contact Hours
- Class Labs: 6,780 Weekly Contact Hours

CRANE
- Classrooms: 2,868 Weekly Contact Hours
- Class Labs: 5,150 Weekly Contact Hours

These three factors - utilization, average square foot per station, and weekly contact hours - come together to identify the overall space needs for each instructional room type. This calculation provides a baseline number that does not take learning space types, instructional technologies, or pedagogical initiatives into account so that all SUNY institutions can be similarly evaluated using standardized metrics. The formula for this calculation is as follows:

SPACE NEEDS

$$\frac{\text{Weekly Contact Hours} \times \text{Average Square Foot per Station}}{\text{Weekly Contact Hours per Station (or Utilization)}}$$

Given the definitions of each value in this formula, the computational space need is based on an assumption that all target utilization values (time and seat use) are met on average. This formula also assumes that the instructional inventory reflects the SUNY Facility Programming Guidelines and that those guidelines are sufficient moving forward. Therefore, the Burt Hill recommended targets, described earlier in the Utilization report, have also been used to calculate space needs through this formula.

The overall instructional space needs have been evaluated for Classrooms and Class Labs for both the Main Campus and the Crane School, using the SUNY as well as Burt Hill targets. The results below have been evaluated against the existing instructional area to identify the current condition in relation to the computational need.

	CLASSROOMS		CLASS LABS	
MAIN CAMPUS	SUNY	BURT HILL	SUNY	BURT HILL
Weekly Contact Hours	37,088		6,780	
Averge SF per Station	16	20	50	60
Utilization	28.32	22.5	22.66	19.2
Calculated Space Need	20,953.7	32,967.1	14,960.3	21,187.5
Current Space Available	48,991		50,459	
Difference	28,037.3	16,023.9	35,498.7	29,271.5
% Difference	57%	33%	70%	58%

	CLASSROOMS		CLASS LABS	
CRANE SCHOOL	SUNY	BURT HILL	SUNY	BURT HILL
Weekly Contact Hours	2,868		5,150	
Averge SF per Station	16	20	50	60
Utilization	28.32	22.5	22.66	19.2
Calculated Space Need	1,620.3	2,549.3	11,363.6	16,093.8
Current Space Available	4,631		12,352	
Difference	3,010.7	2,081.7	988.4	-3,741.8
% Difference	65%	45%	8%	-30%

As the results show, SUNY Potsdam currently has more space in their instructional inventory than is required by the computational space needs analysis - significantly surpassing the need identified by both the SUNY and Burt Hill targets. Some of the main campus lab overage may be due to several labs carrying a high level of specialization which cannot reasonably be better used. There is a large inventory of specialized lab space required for science, music, and fine & performing art programs. The only outlier is the Crane School class lab space using the Burt Hill targets, which represents a potential need for additional ensemble rooms, as was also identified by the school.

These results underscore the utilization analysis findings which identified that overall, rooms are not meeting target use values and space is available in both the rooms and the schedule for increased use. This affords the College the opportunity to take excess space offline for renovation or repurposing without sufficiently sacrificing instructional integrity. Repurposing would allow poorly utilized classrooms to become specialized labs, departmental space, or other needed room types on campus. Excess space also gives the college the opportunity to support more FTEs in their instructional spaces - if all other needs of additional FTEs could be supported on campus. Overall, the college does not need to add new assignable square feet to the instructional inventory.

CALCULATION OF SPACE NEEDS RECOMMENDED

SUMMARY AND ANALYSIS

In addition to reviewing Potsdam's existing space use, Burt Hill compared our space guidelines with the SUNY space standards. The goal of this analysis is to determine the actual space required based upon current and projected FTEs, compared to the existing space provided. By understanding how the Potsdam campus is currently over or under utilizing its space, better decisions can be made for future renovations and new construction. This analysis will identify the space use discrepancies, and recommend methods to right-size the academic departments and the associated support spaces.

As shown on the chart titled NASF per FTE Comparisons, Burt Hill's space guidelines are compared to SUNY's guidelines. Burt Hill agrees with SUNY on the campus-wide average net assignable square feet (NASF) per full-time equivalent (FTE). There is a major discrepancy regarding the net assignable square feet for Department Use versus Academic Support. The SUNY guidelines indicate 48 NASF per FTE for Department Use, while Burt Hill advocates 70 NASF. Likewise, Burt Hill recommends 91 NASF per FTE for Academic Support versus SUNY's 111 NASF. Burt Hill is in concert with SUNY regarding the majority of individual space type guidelines. There are, however, a few discrepancies to space type comparisons. Burt Hill believes that 33 NASF per FTE for faculty offices is warranted versus SUNY's 15 NASF. SUNY recommends 8 NASF per FTE for assembly and exhibition is ideal versus Burt Hill's 13 NASF. Finally, Burt Hill recommends 24 NASF per FTE for library services, while SUNY recommends 29 NASF. Burt Hill believes our recommendations more precisely reflect space requirements than those of SUNY, and request SUNY review these discrepancies. However, Burt Hill and SUNY agree on the campus-wide average NASF per FTE.

Subsequently, Burt Hill compared its space guidelines to how Potsdam is currently utilizing the available space on campus. The notable discrepancies of space type guidelines are as follows:

- Teaching Labs: Potsdam has considerable more NASF per FTE for teaching laboratories. This can be attributed to Potsdam's excellence in the Arts, which requires more laboratory (dance, fine arts, and music) square feet. Therefore, Burt Hill recommends Potsdam retain this area allocation.
- Faculty and Staff Offices: Potsdam is utilizing 22 NASF per FTE for faculty offices, while Burt Hill recommends 33 NASF. However, when the faculty and staff offices are combined with the general and special use category, Burt Hill and Potsdam's total NASF per FTE are similar. The discrepancy between the general and special use NASF is most likely a result of room type reporting inaccuracies.
- Health and Physical Education: Burt Hill recommends 24 NASF per FTE versus Potsdam's 33 NASF. Maxcy Hall's large size is the reason for the discrepancy.
- Assembly & Exhibition: Potsdam is currently utilizing 16 NASF per FTE, while Burt Hill recommends 13 NASF. Potsdam's excellence in the arts is the major contributor to this additional dedicated space. Therefore, Burt Hill recommends Potsdam retain this area allocation.
- Library: Burt Hill recommends 24 NASF per FTE, while Potsdam is occupying 20 NASF. Burt Hill will review options to right-size the Crumb Library.
- Student/Faculty Activities: Burt Hill recommends 8 NASF per FTE as compared to Potsdam's 14 NASF. The majority of this space discrepancy is located in Merritt Hall. A significant portion of Merritt Hall is currently utilized under this category, including the day-care center. However, the day-care center at Potsdam is one of the campus amenities that enable the college to recruit new faculty and staff. Therefore, Burt Hill recommends the day-care center remain. The remainder of Merritt Hall may be re-purposed, which should reduce this space overage.
- General Administration: Potsdam is utilizing 21 NASF per FTE versus Burt Hill's recommendation of 8 NASF. Burt Hill believes there are inconsistencies in Potsdam's PSI reporting of general administration space compared to faculty and staff offices. Potsdam's combined faculty and staff offices and general administration NASF is similar to Burt Hill's recommendation for the same space types.
- Central Services: Potsdam is occupying 13 NASF per FTE compared to Burt Hill's recommendation of 5 NASF. Potsdam central services appear to have grown into unoccupied space over the past several years. The turnover of space to central services has resulted in this overage. However, the majority of this space is not conducive to be re-purposed into academic space.

The SUNY Potsdam campus currently (2008) has 201 NASF (net assignable square feet) per student FTE, compared to the 161 NASF recommended by Burt Hill. As such, Potsdam has approximately 20% more building area than Burt Hill recommendations. However, Potsdam has only 5% more building area in the Departmental Use Category. In 2013, Potsdam's growth to 4,639 FTE will reduce the overall campus building overage to 16%. Likewise, the departmental building overage will be reduced to just 2% above Burt Hill's recommendations. In 2018/2023, Potsdam's growth to 5,005 FTE's results in an overall campus square feet overage of just 9% above Burt Hill's recommendations. However, the Departmental Use Category indicates a shortage of 16,736 square feet or 6%.

Recommendations The addition of a New Performing Arts Facility to the Potsdam campus will add 16,060 net assignable square feet to the Departmental Use Category. Approximately the same amount of space will be vacated in Satterlee and Dunn Halls. Burt Hill recommends that this vacated space be designated for departmental academic space.

Merritt Hall should be re-purposed from Student Activities to Departmental Use. This re-purposing would further normalize the discrepancy of space use from Academic Support to Departmental Use.

With the inclusion of the New Performing Arts Center and a Barrington Student Union Addition, Burt Hill does not recommend any new non-residential space for Potsdam until after 2023.

NASF PER FTE COMPARISONS

Space Type	SUNY Recommended NASF/FTE	Burt Hill Recommended NASF/FTE	Potsdam Existing (2008) NASF/FTE
Instructional Classrooms/Lecture Halls			
1.1 Classroom/Lecture Hall	6	11	12
Departmental Use			
2.1 Teaching Labs	17	15	23
2.2 Individual Study Labs	0	4	8
2.3 Departmental Research Labs	0	3	4
2.4 Faculty & Staff Offices	15	33	21
2.5 General & Special Use	2	4	7
Campus-Wide Academic Support			
3.0 Health & Physical Education	27	27	35
4.0 Data & Resources Center (IT)	5	2	3
5.0 Organized Activities	9	0	1
6.0 Organized (Sponsored) Research	0	0	0
7.0 Public Services	2	2	2
8.0 Assembly & Exhibition	8	13	15
9.0 Library	21	24	12
10.0 Student/Faculty Activities	11	8	28
11.0 Student Health Services	1	1	1
12.0 General Administration	8	8	18
13.0 Central Services	8	5	18
14.0 Building Services	4	4	7
15.0 Inactive Space	0	0	1
Campus-wide Average NASF per FTE	144	164	216

The chart above illustrates existing net assignable square feet (NASF) per full-time equivalent (FTE) values compared to SUNY and Burt Hill recommended NASF per FTE.

The chart to the right identifies recommended space needs using both Burt Hill and SUNY space standards. The recommendations are based on a theoretical space standards application. The space allocations are not based on the existing facilities SUNY Potsdam currently utilizes.

CAMPUS-WIDE SUMMARY OF EXISTING VS. CALCULATED AND FMP RECOMMENDED SPACE

Line	Space Type	Existing Space Modified by Consultant Fall 2008	2008 - 4,381 FTE		2013 - 4,639 FTE		2018 - 5,005 FTE		2023 - 5,005 FTE	
			Calculated Space by SUNY Guidelines	Recommended Space by FMP Consultant	Calculated Space by SUNY Guidelines	Recommended Space by FMP Consultant	Calculated Space by SUNY Guidelines	Recommended Space by FMP Consultant	Calculated Space by SUNY Guidelines	Recommended Space by FMP Consultant
1.0	Instructional Classrooms/Lecture Halls									
1.1	Classrooms (8)	35,305	-	-	-	-	-	-	-	-
1.2	Lecture Halls	15,362	-	-	-	-	-	-	-	-
	Sub-Total Registrar Controlled Space	50,667	27,693	48,191	29,209	51,029	31,479	55,055	31,479	55,055
	Classroom/Lecture NASF per FTE	12	6	11	6	11	6	11	6	11
2.0	Departmental Use									
2.1	Teaching Labs (8)	101,335	74,890	67,662	80,466	69,585	86,892	75,075	86,892	75,075
2.2	Individual Study Labs	33,673	0	16,770	0	16,770	0	20,023	0	20,023
2.3	Departmental Research Labs	15,420	0	13,200	0	13,917	0	15,025	0	15,025
2.4	Faculty & Staff Offices	94,093	64,132	144,571	66,248	150,978	69,104	159,266	69,104	159,266
2.5	General & Special Use	30,799	10,320	17,522	8,796	18,556	9,374	21,364	9,374	21,364
	Sub-Total Instructional & Dept Research	275,320	149,342	259,725	155,510	269,806	165,370	290,753	165,370	290,753
	Dept NASF per FTE	63	34	59	34	58	33	58	33	58
3-15	Campus-Wide Academic Support									
3.0	Health & Physical Education (4)	153,489	120,000	105,144	120,000	111,336	120,000	120,120	120,000	120,120
4.0	Data & Resources Center (IT)	15,766	20,208	8,762	20,208	9,278	20,208	10,010	20,208	10,010
5.0	Organized Activities (3)	6,334	39,141	0	39,141	0	39,141	0	39,141	0
6.0	Organized (Sponsored) Research	0	0	0	0	0	0	0	0	0
7.0	Public Services	8,672	8,762	8,762	8,762	9,278	8,762	10,010	8,762	10,010
8.0	Assembly & Exhibition	68,937	36,130	56,953	36,130	60,307	36,130	65,065	36,130	65,065
9.0	Library (6)	53,465	90,342	105,144	91,917	91,917	94,155	94,155	94,155	94,155
10.0	Student/ Faculty Activities (1,7)	66,200	46,001	15,333	48,710	16,237	52,553	17,517	52,553	17,517
10.1	Food Service - Dining (5)	15,021	-	16,429	-	17,396	-	18,769	-	18,769
10.2	Food Service - Kitchen / Survery (5)	41,069	-	16,429	-	17,396	-	18,769	-	18,769
11.0	Student Health Services	4,435	4,569	4,381	4,569	4,639	4,569	5,005	4,569	5,005
12.0	General Administration	78,425	35,048	35,048	37,112	37,112	40,040	40,040	40,040	40,040
13.0	Central Services	76,741	36,320	21,905	36,320	23,195	36,320	25,025	36,320	25,025
14.0	Building Services	30,021	17,324	17,524	17,745	18,556	18,379	20,020	18,379	20,020
15.0	Inactive Space	2,379	0	0	0	0	0	0	0	0
	Sub-Total Support Space	620,954	453,845	411,814	460,614	416,647	470,257	444,505	470,257	444,505
	Support NASF per FTE	142	104	94	99	90	94	89	94	89
	Total Campus-Wide NASF (2)	1,002,061	630,880	719,730	645,333	737,482	667,106	790,313	667,106	790,313
	Campus_Wide Average NASF per FTE	216	144	164	139	159	133	158	133	158

1. Calculated Space by SUNY Space Guidelines includes Food Service space needs within line item 10.0 Student/ Faculty Activities, where as PSI and Consultant Recommendations break out Food Services in lines 10.1 & 10.
2. New Performing Arts Buidling total NASF included in Existing Space Modified by Consultant Fall 2008 (55,120 nasf)
3. Calculated Space by SUNY Space Guidelines Organized Activities (2008-2023) includes the difference between Modified PSI Assembly total (68,937) and SUNY Recommended (36,130). The difference is 32,807 which was added to the 6,334 Organized Activities nasf.
4. Health and Physical Education existing NASF does include spaces within Merritt Hall.
5. 30,939 nasf included from Residence Facilities under 9004,9010, and 9053 space codes because they are Dining and Kitchen spaces.
6. Library space identified includes nasf in Crumb Memorial Library, Schuette Hall, Bishop Hall, and Crane Music Center.
7. Spaces included under Student/ Faculty Activities category are student commons and/or lounges located in Barrington Student Union, Flagg, Lehman DH, Knowles Conference Center, Merritt, Timmerman, Sisson, Thatcher, Raymond and Satterlee.
8. Some of the spaces originally reported in the PSI as classrooms have been modified to be included under the Teaching Labs category.

2008 CALCULATED AND RECOMMENDED SPACE

Chart of Account	Department Name	FTE	Recommended Space by FMP Consultant on 4,381 (2008)						
			Registrar	Instructional & Departmental Research Space					
			Classroom Lec. Hall	Class Lab	Study Lab	Research & Support	Faculty & Admin Office	General Use	Total Department Use
	(line# in summary sheet)		1.1 & 1.2	2.1	2.2	2.3	2.4	2.5	=sum 2.1-2.5
400000	Instructional General		48,191						0
500029	Special Educ\ation	54	0	0	0	0	1,884	101	1,985
500033	Literacy	96	0	0	0	0	2,967	179	3,146
500034	Secondary Edcuation	112	0	0	0	0	4,285	209	4,494
500035	Information and Communication Technology	41	0	0	0	0	2,496	77	2,573
500074	Health and Physical Education	108	0	0	0	0	5,416	202	5,618
500075	Community Health	106	0	0	0	0	3,296	198	3,494
500087	Business Administration	106	0	0	200	0	3,673	198	4,071
630007	Anthropology	176	0	1,080	250	0	4,238	1,109	6,677
630009	Art	195	0	9,100	0	0	5,934	1,044	16,078
630013	Biology	170	0	7,200	250	1,550	4,568	741	14,309
630018	Chemistry	106		6,492	250	5,025	3,202	346	15,315
630019	Computer Science	37	0	720	720	0	2,072	521	4,033
630023	Theater and Dance	113	0	11,000	0	0	3,956	595	15,551
630027	Economics & Employment Relations	96	0	0	0	2,325	2,590	179	5,094
630031	English	446	0	0	0	0	13,750	1,585	15,335
630036	Modern Language	188	0	0	800	0	5,557	687	7,044
630041	Geology	84	0	4,920	250	650	2,496	1,189	9,505
630046	History	258	0	0	250	0	5,745	1,218	7,213
630063	Mathematics	184	0	0	250	0	5,180	740	6,170
630073	Philosophy	99	0	0	250	0	2,119	409	2,778
630076	Physics	56	0	2,960	250	2,400	2,213	533	8,356
630077	Politics	107	0	0	0	0	2,967	200	3,167
630078	Psychology	234	0	1,840	1,050	0	5,321	929	9,140
630088	Sociology	123	0	0	0	0	3,767	230	3,997
690066	Crane School of Music	564	0	21,450	12,000	1,250	34,095	2,474	71,269
500032	Curriculum & Instruction B-G6	356	0	0	0	0	6,640	665	7,305
500028	School of Education & Professional Studies Misc.	110	0	900	0	0	2,496	645	4,041
630001	School of Arts & Sciences Misc.	55	0	0	0	0	1,648	319	1,967
Total	Instructional & Dept Research	4,381	48,191	67,662	16,770	13,200	144,571	17,522	259,725
	Average NASF per FTE		11	15	4	3	33	4	59

School of Education and Professional Studies Misc Includes

- Off-Campus Supervised Teaching / Field Experience & Teacher Certification
- Graduate Office
- Wilderness Ed

School of Arts & Sciences Misc Includes

- Art Gallery
- Womens and Gender Studies

2013 CALCULATED AND RECOMMENDED SPACE

Chart of Account	Department Name	FTE	Recommended Space by FMP Consultant on 4639 FTE (2013)						
			Registrar	Instructional & Dept Research Space					
			Classroom Lec. Hall	Class Lab	Study Lab	Research & Support	Faculty & Admin Office	General Use	Total Department Use
	(line# in summary sheet)		1.1 & 1.2	2.1	2.2	2.3	2.4	2.5	=sum 2.1-2.5
400000	Instructional General		51,029						0
500029	Special Edcuation	60	0	0	0	0	1884	73	1,957
500033	Literacy	101	0	0	0	0	2967	123	3,090
500034	Secondary Edcuation	142	0	0	0	0	4285	173	4,458
500035	Information and Communication Technology	56	0	0	0	0	2496	68	2,564
500074	Health and Physical Education	115	0	0	0	0	5416	140	5,556
500075	Community Health	128	0	0	0	0	4238	156	4,394
500087	Business Administration	118	0	0	200	0	4144	144	4,488
630007	Anthropology	183	0	1,111	250	0	4238	955	6,554
630009	Art	226	0	9,359	0	0	6875	1,180	17,414
630013	Biology	188	0	7,405	250	1,634	5039	981	15,309
630018	Chemistry	114	0	6,677	250	5,298	3202	595	16,022
630019	Computer Science	42	0	740	720	0	2072	221	3,753
630023	Theater and Dance	121	0	11,311	0	0	4898	630	16,839
630027	Economics & Employment Relations	99	0	0	0	2,451	2590	121	5,162
630031	English	454	0	0	0	0	13751	2,370	16,121
630036	Morden Language	193	0	0	800	0	5557	1,007	7,364
630041	Geology	86	0	5,060	250	685	2496	449	8,940
630046	History	264	0	0	250	0	5745	1,378	7,373
630063	Mathematics	189	0	0	250	0	5180	987	6,417
630073	Philosophy	101	0	0	250	0	2119	527	2,896
630076	Physics	58	0	3,044	250	2,531	2213	303	8,341
630077	Politics	114	0	0	0	0	2967	139	3,106
630078	Psychology	240	0	1,892	1,050	0	5321	1,253	9,516
630088	Sociology	126	0	0	0	0	3767	154	3,921
690066	Crane School of Music	585	0	22,060	12,000	1,318	36732	3,054	75,164
500032	Curriculum & Instruction B-G6	356	0	0	0	0	6642	434	7,076
500028	School of Education & Professional Studies Misc.	122	0	926	0	0	2496	637	4,059
630001	School of Arts & Sciences Misc.	58	0	0	0	0	1648	304	1,952
Total	Instructional & Dept Research	4,639	51,029	69,585	16,770	13,917	150,978	18,556	269,806
	Average NASF per FTE		11	15	4	3	33	4	58

School of Education and Professional Studies Misc Includes

- Off-Campus Supervised Teaching / Field Experience & Teacher Certification
- Graduate Office
- Wilderness Ed

School of Arts & Sciences Misc Includes

- Art Gallery
- Womens and Gender Studies

2018 CALCULATED AND RECOMMENDED SPACE

Chart of Account	Department Name	FTE	Recommended Space by FMP Consultant on 5,005 FTE (2018)						
			Registrar	Instructional & Dept Research Space					Total Department Use
			Classroom Lec. Hall	Class Lab	Study Lab	Research & Support	Faculty & Admin Office	General Use	
	(line# in summary sheet)		1.1 & 1.2	2.1	2.2	2.3	2.4	2.5	=sum 2.1-2.5
400000	Instructional General		55,055						0
500029	Special Edcuation	67	0	0	0	0	1884	145	2,029
500033	Literacy	110	0	0	0	0	2967	237	3,204
500034	Secondary Edcuation	169	0	0	0	0	4285	365	4,650
500035	Information and Communication Technology	66	0	0	0	0	2496	142	2,638
500074	Health and Physical Education	123	0	0	0	0	6216	265	6,481
500075	Community Health	151	0	0	0	0	5180	326	5,506
500087	Business Administration	132	0	0	238	0	4238	285	4,761
630007	Anthropology	204	0	1,199	299	0	4709	1,432	7,639
630009	Art	248	0	10,097	0	0	7346	1,379	18,822
630013	Biology	211	0	7,989	299	1,764	5510	955	16,517
630018	Chemistry	125	0	7,204	296	5,720	3673	458	17,351
630019	Computer Science	47	0	798	860	0	2543	617	4,818
630023	Theater and Dance	129	0	12,205	0	0	6310	694	19,209
630027	Economics & Employment Relations	104	0	0	0	2,646	2590	224	5,460
630031	English	476	0	0	0	0	14222	1,843	16,065
630036	Morden Language	204	0	0	955	0	5557	804	7,316
630041	Geology	91	0	5,459	299	740	2496	1,312	10,306
630046	History	279	0	0	299	0	5745	1,454	7,498
630063	Mathematics	213	0	0	299	0	5180	888	6,367
630073	Philosophy	107	0	0	299	0	2119	475	2,893
630076	Physics	61	0	3,284	299	2,732	2213	620	9,148
630077	Politics	122	0	0	0	0	1413	263	1,676
630078	Psychology	253	0	2,041	1,254	0	5321	1,078	9,694
630088	Sociology	133	0	0	0	0	3767	287	4,054
690066	Crane School of Music	614	0	23,800	14,327	1,423	40499	2,793	82,842
500032	Curriculum & Instruction B-G6	367	0	0	0	0	6643	792	7,435
500028	School of Education & Professional Studies Misc.	134	0	999	0	0	2496	825	4,320
630001	School of Arts & Sciences Misc.	64	0	0	0	0	1648	406	2,054
Total	Instructional & Dept Research	5,005	55,055	75,075	20,023	15,025	159,266	21,364	290,753
	Average NASF per FTE		11	15	4	3	32	4	58

School of Education and Professional Studies Misc Includes

- Off-Campus Supervised Teaching / Field Experience & Teacher Certification
- Graduate Office
- Wilderness Ed

School of Arts & Sciences Misc Includes

- Art Gallery
- Womens and Gender Studies

2023 CALCULATED AND RECOMMENDED SPACE

Chart of Account	Department Name	FTE	Recommended Space by FMP Consultant on 5,005 FTE (2023)						
			Registrar	Instructional & Dept Research Space					
			Classroom Lec. Hall	Class Lab	Study Lab	Research & Support	Faculty & Admin Office	General Use	Total Department Use
	(line# in summary sheet)		1.1 & 1.2	2.1	2.2	2.3	2.4	2.5	=sum 2.1-2.5
400000	Instructional General		55,055						0
500029	Special Edcuation	67	0	0	0	0	1884	145	2,029
500033	Literacy	110	0	0	0	0	2967	237	3,204
500034	Secondary Edcuation	169	0	0	0	0	4285	365	4,650
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630031	English	476	0	0	0	0	14222	1,843	16,065
630036	Morden Language	204	0	0	955	0	5557	804	7,316
630041	Geology	91	0	5,459	299	740	2496	1,312	10,306
630046	History	279	0	0	299	0	5745	1,454	7,498
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Total	Instructional & Dept Research	5,005	55,055	75,075	20,023	15,025	159,266	21,364	290,753
	Average NASF per FTE		11	15	4	3	32	4	58

School of Education and Professional Studies Misc Includes

- Off-Campus Supervised Teaching / Field Experience & Teacher Certification
- Graduate Office
- Wilderness Ed

School of Arts & Sciences Misc Includes

- Art Gallery
- Womens and Gender Studies

UTILIZATION CAPACITY & RIGHT-SIZING

UTILIZATION CAPACITY

As indicated previously in this chapter, it is anticipated that SUNY Potsdam will grow to 5,005 FTEs by 2018. By right-sizing a few of the 30-40 seat-count classrooms, there will be adequate learning environment space (classrooms, lecture halls or class laboratories). At 5,005 FTEs, Potsdam's existing learning environments will still not reach the SUNY or Burt Hill target levels. As such, Burt Hill is not recommending any new construction for academic learning environment use (assumes the New Performing Arts Center is included in the existing building inventory). However, some of the non-learning environment spaces will need to increase as a result of the projected campus growth.

At 5,005 FTEs, all of the academic departments and most of the administrative departments will need additional space. This additional space is comprised primarily of offices and limited storage. The net assignable additional space required is less than 0.6 percent across the entire campus. All of the existing academic buildings are near or fully occupied with assignable functions. However, the New Performing Arts Complex construction will alleviate some of these space needs due to the assignable space that is vacating the Crane Music Center, Satterlee Theater and Dunn Hall. Merritt Hall, which sits on the main academic quadrangle, is currently severely under-utilized, and with an interior renovation, can be utilized for academic functions. Likewise, the under-utilized classroom in Stowell Hall can be re-purposed into faculty offices for the future sciences faculty office needs. Burt Hill believes that departmental relocations around the academic quadrangle can be made that will resolve the office and storage requirements. This has the added benefit of re-consolidating the departments that have evolved over the past 40 years.

Moreover, Burt Hill believes that there is not a need for an academic surge building to accommodate the necessary full building renovations and departmental relocations. The vacated new Performing Arts Complex, vacated Satterlee Theater and Merritt Hall space are adequate to become surge spaces for full building renovation. Through the use of project phasing, single academic buildings can be completely shut-down for the duration of a full building renovation. Burt Hill believes that this method of campus improvement will allow SUNY Potsdam to maximize the use of capital expenditure.

CLASSROOM RIGHT-SIZING

Currently, SUNY Potsdam has 56 active teaching classrooms on campus. Existing classroom sizes are delineated as follows:

0-20 seats	01
21-30 seats	20
31-40 seats	13
>40 seats	22

Classroom utilization reaches its peak at 11:00 am every day, with Tuesdays and Thursdays having the highest usage. Alternatively, classroom usage is significantly low between 8:00 am to 9:00 am and between 3:00 pm to 5:00 pm. The analysis indicates that the classrooms are most often utilized between the hours of 9:00 am to 3:00 pm. During these hours, average classroom usage is delineated as follows:

0-20 seats	1 room partially active
21-30 seats	14 of 20 rooms active
31-40 seats	10 of 13 rooms active
>40 seats	17 of 22 rooms active

Based upon Potsdam's room usage, there appears to be a higher demand for 30-35 seat classrooms. This room size demand is understandable because many of Potsdam's lower level academic courses are scheduled with a preferred capacity of 32 students. As indicated prior in this chapter, Potsdam can adequately support 5,005 FTEs with the existing classroom stock by leveraging the entire 8:00 am to 5:00 pm academic period. If a full building renovation occurs to an academic facility, Burt Hill recommends a greater proportion of the classrooms included within the re-purposed building be sized for the 30-35 seat capacity.

Refer to Phases IV and V for final classroom right-sizing recommendation and solutions.

CLASSROOM & LECTURE HALL INVENTORY

Existing Inventory There is currently a total of 53 classroom and lecture halls on campus. The list below identifies the existing quantity of each type (relating to size).

Room Type	Existing Qty.
Seminar Rooms (0-19)	1
Classrooms (20-29)	7
Classrooms (30-40)	23
Classrooms (41-60)	16
Lecture Halls (61-80)	1
Lecture Halls (101-120)	2
Lecture Halls (151-200)	1
Lecture Halls (201-250)	1
Lecture Halls (> 250)	1

Proposed Inventory The recommendation is to keep the total of classroom and lecture halls on campus at 53. The list below identifies the proposed mix of classroom and lecture halls recommended in this Facilities Master Plan.

Room Type	Existing Qty.	Proopsed. Qty.
Classrooms (0-19)	1	1
Classrooms (20-29)	7	4
Classrooms (30-40)	23	30
Classrooms (41-60)	16	12
Lecture Halls (61-80)	1	1
Lecture Halls (101-120)	2	2
Lecture Halls (151-200)	1	1
Lecture Halls (201-250)	1	1
Lecture Halls (> 250)	1	1

* Refer to table on page 150 for itemized list of classrooms and lecture halls.

QUALITATIVE CLASSROOM ANALYSIS

A qualitative classroom analysis was conducted to review the status of the existing classrooms on campus, and to determine if there was a correlation between a classroom's usage and its condition. Classrooms were reviewed based upon level of technology, heating, proportion, finishes, access to natural light, line of site and the furnishings. Each of these conditions was scored to arrive at an overall room score. The room scores were then compared to the room utilization percentages.

The basis of this analysis was to evaluate the existing classrooms compared to an ideal classroom. The ideal classroom would have available projection technology, rectilinear in shape (1.5 to 1.0) and adequate heating and cooling. It would also have access to natural light (except for lecture halls), clean finishes, and chair/table seating. Scores for technology, heating, and cooling were weighted heavier than natural light, furniture, and finishes.

The majority of classrooms are located in Carson, Flagg, Kellas, and Satterlee Halls. In general, the classrooms located in Kellas Hall received excellent scores. The classroom located in Crumb Memorial Library and one of the classrooms located in Maxcy Hall also received excellent scores. Dunn and Carson Halls received adequate scores, while Flagg and a portion of Satterlee Hall are indicating sup-par numbers. Overall, the most prevalent issues with the sub-par classrooms are the lack of projection technology and out-dated room finishes.

Qualitative/Utilization	Quantity
High Score/Good Utilization	16
High Score/Poor Utilization	13
Low Score/Good Utilization	6
Low Score/Poor Utilization	21

Of Potsdam's 56 general instruction classrooms, 16 were found to have both a high qualitative score and good utilization. These high-use rooms are scattered throughout the campus, but are predominantly located in Dunn and Kellas Halls. Likewise, Potsdam has 21 classrooms that received a low qualitative score and had poor utilization. It should be assumed that rooms that are not ideal teaching environments would be the least scheduled. However, there were six classrooms that qualitatively scored poorly, but had good utilization. The majority of these rooms are located in Satterlee Hall. This suggests that the instructors in Satterlee are utilizing less technology in their teaching programs. Lastly, there were 13 classrooms that received good qualitative scores, but were poorly utilized. The majority of these rooms are located in Carson Hall.

Recommendations As indicated elsewhere in this section, additional classrooms are not required to be constructed as a result of campus growth reaching 5,005 FTEs by 2018. However, the existing classroom assets should be maintained and upgraded to ideal standards. The majority of these upgrades could be achieved with only minor investment such as room finishes and projected technology. Spaces that have poor room proportions and poor line of sight should be considered for re-purposing to other functions. Finally, all of the classrooms should be wheelchair accessible, including the path of travel to the room.

- Upgrade room finishes and projected technology to the classrooms.
- Provide wheelchair accessibility to the classrooms in Carson and MacVicar Halls.
- Re-purpose Brainerd 202, Flagg 164 and 206, MacVicar 120, Satterlee 206 and Stowell 103 to office/conference room functions.

				Technology			Thermal Comfort		Physical Space						
BUILDING NAME	Facil ID (Room)	Type Group	Dept Name	Wireless Access	Projector	Sympodium	Heating	Air Conditioning	Room Proportion	Room Finishes	Access to Natural Light	Instructor Line of Site	Furnishing Type	Classroom Rating	Percent of available Minutes Used
BRAINERD HALL	BRA-HL 0215	CLASSROOMS	INSTRUCTION GENERAL	5	5	1	5	0	5	3	1	5	3	80	39
	BRA-HL 0202	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	5	0	1	3	1	1	3	71	43
CARSON HALL	CAR-HL 0205	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	3	0	5	0	4	3	5	95	68
	CAR-HL 0201	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	3	0	5	0	4	3	5	74	63
	CAR-HL 0202	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	3	0	3	2	2	4	5	64	53
	CAR-HL 0214	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	3	0	5	5	4	5	5	82	31
	CAR-HL 0203	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	3	0	5	2	2	5	5	71	27
	CAR-HL 0216	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	3	0	3	5	5	4	5	78	42
	CAR-HL 0204	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	3	0	5	2	2	5	5	71	36
DUNN HALL	DUNNHL 0202	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	3	0	3	2	5	4	3	85	69
	DUNNHL 0206	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	3	0	5	2	5	4	3	89	78
	DUNNHL 0204	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	3	0	3	2	5	4	3	66	49
	DUNNHL 0208	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	3	0	3	2	5	4	3	85	59
	DUNNHL 0200	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	3	0	5	2	5	4	3	84	64
FLAGG HALL	FLG-HL 0233	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	5	0	3	2	5	4	3	89	78
	FLG-HL 0238	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	5	0	3	2	5	4	3	89	62
	FLG-HL 0206	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	5	0	1	2	1	1	3	69	46
	FLG-HL 0235	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	5	0	3	2	5	4	3	71	58
	FLG-HL 0236	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	5	0	3	2	5	4	3	89	64
	FLG-HL 0237	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	5	0	3	2	5	4	3	71	52
	FLG-HL 0211	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	5	0	4	2	1	3	3	80	58
	FLG-HL 0240	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	5	0	3	2	5	4	3	89	60
	FLG-HL 0210	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	5	0	4	2	1	2	5	64	46
	FLG-HL 0232	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	5	0	3	2	5	3	3	69	57
	FLG-HL 0239	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	5	0	3	2	5	3	3	69	57
	FLG-HL 0163	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	5	0	5	2	5	5	3	78	39
	FLG-HL 0205	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	5	0	4	2	1	2	3	60	52
	FLG-HL 0234	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	5	0	3	2	5	3	3	69	55
	FLG-HL 0142	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	5	0	3	2	1	3	3	60	29
	FLG-HL 0164	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	5	0	1	2	5	1	3	60	31
	FLG-HL 0166	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	5	0	1	2	4	3	3	62	16

BUILDING NAME	Room ID	Type Group	Dept Name	Technology			Thermal Comfort		Physical Space					Classroom Rating	Percent of available Minutes Used
				Wireless Access	Projector	Sympodium	Heating	Air Conditioning	Room Proportion	Room Finishes	Access to Natural Light	Instructor Line of Site	Furnishing Type		
KELLAS HALL	KEL-HL 0101	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	3	0	5	5	0	5	5	98	70
	KEL-HL 0102	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	3	0	5	5	0	5	5	98	39
	KEL-HL 0105	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	3	0	5	5	0	5	5	98	52
	KEL-HL 0103	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	3	0	5	5	0	5	5	98	63
	KEL-HL 0104	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	3	0	5	5	0	5	5	98	63
	KEL-HL 0106	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	3	0	5	5	0	5	5	98	24
MACVICAR HALL	MVC-HL 0120	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	1	0	1	1	5	1	3	66	32
MAXCY HALL	MAX-HL P220	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	5	0	5	3	4	3	3	73	21
	MAX-HL G104	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	5	0	5	5	5	5	5	100	8
	MRY-HL 0114	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	1	0	5	1	4	5	3	82	35
SATTERLEE HALL	SAT-HL 0219	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	3	0	3	1	4	4	3	62	63
	SAT-HL 0221	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	3	0	5	1	5	5	3	71	67
	SAT-HL 0222	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	3	0	5	1	5	5	3	71	63
	SAT-HL 0319	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	3	0	5	1	4	5	3	87	72
	SAT-HL 0310	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	3	0	5	3	5	5	3	94	79
	SAT-HL 0200	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	3	0	4	5	4	2	3	87	87
	SAT-HL 0220	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	3	0	5	1	5	5	3	71	72
	SAT-HL 0205	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	3	0	5	1	5	5	3	71	47
	SAT-HL 0202E	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	3	0	3	1	2	2	3	53	0
STOWELL HALL	STW-HL 0116D	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	1	0	5	1	1	5	3	75	53
	STW-HL 0211	CLASSROOMS	INSTRUCTION GENERAL	5	5	5	1	0	5	5	1	5	5	89	48
	STW-HL 0103	CLASSROOMS	INSTRUCTION GENERAL	5	1	1	1	0	1	1	1	1	3	39	30
TIMERMAN HALL	TIM-HL 0131	CLASSROOMS	GEOLOGY	5	5	5	5	0	5	3	1	5	3	89	63

High

Average

Poor