

JACKSON COLLEGE



FISCAL YEAR 2022
FIVE-YEAR MASTER PLAN

October 2022

JACKSON COLLEGE

5-Year Master Plan

FISCAL YEAR 2022

Addendum: October, 2021

Executive Summary

Section 1- Mission Statement -Strategic Plan

Jackson College 5-Year Master Plan attempts to follow the format required by the Office of the State Budget. The College's plan revolves around the "Strategic Agenda" adopted by the Jackson College Board of Trustees. This Strategic agenda is included in **Section 1** along with our mission

Section 2- Instructional Programming

Section 2 is the College's program offerings. All programs, degrees offered, and requirements are included in the Academic Catalog. You can follow this link to an electronic copy of the catalog: <http://www.jccmi.edu/studentservices/catalog/>

Section 3- Staffing and Enrollment

Staffing ratios and enrollment by discipline analysis, as developed by our Intuition Research Department is included in **Section 3** and is used to assist in determining the demand over the last few years. Of course, employer's demand for positions, such as nurses, is also taken into consideration.

Section 4-Master Plan

The college has entered into a vast remodeling and expansion of the buildings. The Potter Center is in need roof work. Each time a building project is selected, that building is completely analyzed by architects and engineers to determine what major maintenance needs to be done while updates of expansions are completed. The current 5-year plan is included in the **Facilities Assessment** part of this section. This is based on available funds and is constructed to be our implementation plan. As additional funds are made available, those items identified in the master plan will be included on a need basis.

Section 5-Fiscal Year 2023 Capital Project Request

The College has included a capital project request for a STEM Remodel of James McDivitt Hall in this section.

Section 1-Mission Statement and Strategic Agenda

Mission Documents

Mission

Together we inspire and transform lives.

Vision

Jackson College is a world-class institution of higher education where learners succeed and community needs are met

Statement of Beliefs

As employees of Jackson College, an innovative institution totally committed to student success (TCS²), **we believe:**

- The success of our students is always our first priority
- We perform our jobs admirably, giving our best service and support every day, for everyone
- Teamwork is founded upon people bringing different talents and perspectives
- We provide educational and holistic opportunities for those who might otherwise not have them
- A safe and fulfilling environment provides students, employees and community members with an opportunity to grow and learn
- Our progress is validated by setting goals, measuring and celebrating our achievements
- We make decisions that are best for the institution as a whole
- Building and maintaining trusting relationships with each other is essential
- Competence and innovation sustain our values in a competitive marketplace
- We serve as role models, making a positive difference in the lives of our students, our employees, and our communities
- Integrity, opportunity and fairness are our guiding principles
- We prepare our students to be successful in a global environment
- Our work matters!

Values

- **Integrity** – We demonstrate integrity through professional, ethical, transparent, and consistent behavior in both our decision-making and in our treatment of people; being accountable for our work and actions is the basis of trust.

- **Caring** – We demonstrate caring through attentive and responsive action to the needs of students, employees and our community. We listen with open minds, speak kindly, and foster relationships based on mutual respect and trust.
- **Collaboration** – We demonstrate collaboration through the mutual commitment of individuals and organizations who come together for a common cause..
- **Innovation** – We demonstrate innovation through the continuous improvement of all processes and services.
- **Equity** – We demonstrate equity by seeking involvement and providing access for those with diverse backgrounds to work toward a culture of inclusion while maintaining differences in a respectful way.
- **Service** – We demonstrate service by striving to make the communities we serve great places to live, work, and learn.
- **Leadership** – We demonstrate leadership by nurturing the full development of our employees and those we serve.
- **Stewardship** – We demonstrate stewardship through our mindful management of the human, intellectual, fiscal and environmental resources entrusted to us.

BHAG	90/80/70 – Fall-Winter Persistence/Fall-Fall Persistence/Graduation Rate						
Policy Governance ENDs	Residents of Jackson County and non-chartered Counties have learning opportunities that prepare them to be successful global citizens and contribute to community vitality at a cost that demonstrates wise and sustainable stewardship of resources.						
Higher Learning Commission Criteria for Accreditation	<ol style="list-style-type: none"> Mission: Jackson College’s mission is clear and articulated publicly; it guides the College’s operations; Integrity: Jackson College acts with integrity: Our conduct is both ethical and responsible; Teaching and Learning: Jackson College provides quality education, wherever and however our offerings are delivered; Teaching and Learning: Jackson College demonstrates responsibility for the quality of our educational programs, learning environments, and support services, and we evaluate their effectiveness for student learning through processes designed to promote continuous improvement; and Institutional Effectiveness: Jackson College’s resources, structures, and processes are sufficient to fulfill our mission, improve the quality of our educational offerings, as well as to respond to future challenges and opportunities. 						
Leadership Council Advocate(s)	Cindy Allen, Chief Operating and Talent Officer	Jeremy Frew, Chief Instructional & Student Services Officer	Sara Perkin, Chief of Staff	Jason Valente, Chief Advancement Officer	Darrell Norris, Chief Finance Officer	Lee Hampton, Chief Diversity Officer	Jim Jones, Chief IT and Plant Officer
Contributing Objective	To assist the President, in part, through the maximization of College’s efficacy through the meaningful, effective and equitable means of locating, recruiting, developing, compensating, evaluating, and retaining diverse talent.	To assist the President, in part, by ensuring equal access to educational opportunities for all students, as well as providing for student’s health, well-being, engagement and academic success.	To assist the President, in part, by ensuring that established goals are achieved, the protection of the President’s interests, as well as advising the President on key issues, and providing governance support.	To assist the President, in part, by the development and deployment of a plan for the significant growth of the College through resource strengthening.	To assist the President in part, by directing the financial goals of the President, managing the financial actions, including cash flow monitoring, long-term financial planning, internal controls, and financial analysis.	To assist the President, in part, by working ultimately grow an inclusive and diverse organizational and student culture by conceptualizing, guiding, supporting, and ensuring its existence and embrace across the whole of the institution.	To assist the President, in part, through the advancement of enterprise goals of the College, end-user responsibility, as well as providing responsible, safe innovative, efficient, and optimal campus environment.
Principal Goals for FY ‘21	75% of all College employees will receive Performance Recognition.	Advance deployment of CBE across the curriculum, including integration of prior learning assessment	100% completion of all PG policy updates, as well as new board monitoring report formats.	15% increase in new, alternative revenue streams to the College from grant	Complete the development of a financial model for instructional programs, and all College options	Disaggregate organizational data and conduct a racial bias audit across the whole of the College, the	Full deployment of 6 Tiny Homes no later than November.

	<p>100% of the Leadership Academy Graduates will be trained to serve as new employee mentors.</p> <p>100% of all FT/PT/Adjunct employees will complete training in the new Title IX Guidance, and Sexual Harassment.</p> <p>100% of all College student employees will complete training in a pilot program that includes: customer service, JC values & beliefs, sexual harassment, Title IX, and office ergonomics, the results of which will inform a scaled program in FY '22.</p>	<p>(PLA) processes, and the resubmission of the business CBE request.</p> <p>Establish Jackson College Virtual as a fully-effective, high quality, student completion-driven, online program, with 30% of online courses delivered synchronously no later than the Winter Semester.</p> <p>Academic Visioning and Planning: Develop and design systems that ensure that access, equity, diversity and inclusion are built into the academic practices, curriculum and student services.</p>	<p>Completion of 2nd year contract targets with ASR Analytics: NSC data, LC Dashboard, & training.</p> <p>Complete evidence gathering of HLC accreditation criteria, and develop a JC plan according to the HLC timeline for continuing accreditation to be shared with LC.</p>	<p>and other revenue sources.</p> <p>Complete the JC Foundation Jets Scholarship redefinition, ensuring equitable access to all students.</p> <p>10% increase in annual funding levels of support directed to the College.</p>	<p>in a predictable and sustainable design. Complete a successful third-party and state audit, with particular attention to the implications of COVID and related Federal and State support revenues.</p> <p>Ensure the elimination of all online fees in the FY '22 budget development.</p>	<p>results of which will be used to develop a institutional culture enhancement program.</p> <p>Collaborate with academic colleagues to infuse diversity, equity, and belonging across the curriculum, as well as to implement a diversity graduation course requirement beginning in FY '22.</p> <p>Quarterly meetings with each of the community, affinity groups, including the appointment of Liaisons by Q2, and the development of recommendations that inform the FY '22 budget.</p>	<p>Prepare a deferred maintenance report no later than the end of Q4.</p> <p>Evaluate and make recommendations regarding the migration from MS to Google to be deployed in FY '22.</p> <p>Deploy two-factor authentication process no later than the end of Q3.</p> <p>Prepare a report of recommendations that leverage existing college technologies that can enhance the online customer experience, within financial capacities.</p>
Q1 Update 09.30.20	<p>75% of all College employees will receive Performance Recognition. For the academic year 19/20 that just finished, employees who should have received performance pay is well over 90%. We are hopeful that these individuals could still receive some kind of recognition this year. Moving forward in 20/21, goals are being established and will be tracked</p>	<p>We have resubmitted an application to HLC for our Business Program to be delivered in a CBE modality.</p> <p>The winter 2021 schedule is built and over 30% of the courses have required synchronous components.</p>	<p>All policies have been updated.</p> <p>Treatment of Students Monitoring report is in final draft form and will go to the Board at the October 12th meeting.</p> <p>ASR - NSC Data – Currently Validating. Automate and obtain National Student Clearinghouse data</p>	<p>Grant writer was hired and interviews and data collection began 7/20. \$2M SCC grant submitted 10/8. Will review portfolio with writer in October</p> <p>Scholarship redefine is underway. College support is at \$85,000 out of \$110,000 goal.</p>	<p>Financial model for instructional programs is in progress (document included)</p>	<p>-Committee has been selected and first meeting is Oct 2020.</p> <p>-Met with curriculum committee and GEO7 is being modified.</p> <p>-Diversity committee is being renamed Diversity, Equity and Belonging Committee, relaunching Oct 2020 which will provide guidance to infuse</p>	<p>CV4 (PROJ: p0929) Four homes to arrive on 9/30 and are to be ready for occupancy early November 2020. Two additional homes to be started in October 2020 and are targeted to be ready before WN21 classes.</p>

	<p>throughout the academic year.</p> <p>100% of the Leadership Academy Graduates will be trained to serve as new employee mentors. 10 of the 12 Leadership Academy graduates are participating in our first Mentoring training with some of our new employees and will remain with them for their first 6 months of employment. Currently, we have 7 active mentorships. In October 2020, there will be another Mentoring Training Session and each new employee moving forward will be paired with a trained mentor to help them navigate the Jackson College culture. We are also in the planning stages of Leadership Academy 2021.</p> <p>100% of all FT/PT/Adjunct employees will complete training in the new Title IX Guidance, and Sexual Harassment. As of 9/21/20, 123 have completed it and 299 are assigned to it. Title IX training deadline: October 30th</p>	<p>The Vice President of Diversity, Inclusion & Belonging is now a standing member of the Curriculum Committee. Conversation have begun on the redesigning or development of a new GEO that better equips our students with an understanding of equity, inclusion and belonging.</p>	<p>for our data warehouse. ASR worked with IT to develop a secure location where IRE could place National Student Clearinghouse data requests. IRE creates the file which ASR will push through to the National Student Clearinghouse. The file gets returned and student information is updated within the data warehouse.</p> <p>LC Dashboard – In Development Information was sent to ASR on 9/23. ASR has already created a handful of reports that will fulfill some of these requests. Will look into putting them into dashboard. Training – Waiting</p> <p>Evidence has been gathered for all criterions for the Assurance Filing.. Writing is underway and then the next step is to work on a</p>			<p>equity, diversity, and belonging across campus and curriculum.</p> <p>-Meeting with Affinity Groups has been held. Liaison positions have been submitted to HR which will then be brought to leadership for approval Oct 2020.</p>	<p>Deferred maint (PROJ: p0930) Several vendors that specialize in this market have been shopped by Darrell and Jim. Costs for this analysis are \$80-\$100k.</p> <p>Google: Cost comparisons are underway.</p> <p>MFA – multi-factor authentication (PROJ: p0713) This service has been deployed for all users of the VPN technology. The next phase is intended to be used by all employees for logging into any ADFS authenticated service. Multi-year quotes are being gathered currently to leverage pandemic funds.</p> <p>Existing technologies to enhance online customer service... IT meetings often</p>
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	<p>Edustaff ran a mass communication to all Adjuncts on 9/21 about the training. Deadline is 12/31/20. It will impact their payroll if they do not complete the training by 12/31/20 but this date provides a 3 week cushion for completion before the start of the next term. Since the communication was just sent on 9/21, we have no completion numbers.</p> <p>100% of all College student employees will complete training in a pilot program that includes: customer service, JC values & beliefs, sexual harassment, Title IX, and office ergonomics, the results of which will inform a scaled program in FY '22. All active student employees are enrolled in a mandatory Jet Net Class. This was launched 9/17/20. 31 enrolled, and 1 who has completed all of the requirements. Student employee training deadline December 19th for current students.</p>		plan incorporating employee feedback into the Assurance Argument.				include this type of conversation. The longstanding IT Liaison group is intentionally designed to provide a path to facilitate customer success and feedback conversations. A formal report with diverse perspectives and influence specifically regarding online tools, systems, and supports will be produced by May 2021.
Q2 Update 12.31.20	2 nd Quarter Update: The College Administration and	CBE: We have resubmitted an application to HLC	Monitoring Reports: Treatment of Students, Financial Conditions &	Foundation waived second six months of rent for Maher	Financial model for instructional programs is complete and will be	ATD coaches will be meeting with the Chairs of the Equity Audit	CV4 (PROJ: p0929) 4 homes are available to be

	<p>Union leadership agreed upon giving our FT and PT regular employees performance pay, not on base, at \$500 for PT and \$1,000 for FT employees. Of those eligible, 96.9% received performance pay. (A \$200 Amazon gift card is also being sent to Adjuncts, currently teaching and in good standing.)</p> <p>Leadership Academy will have a mentoring portion this year. Begins January 2021. Active mentorships are still meeting.</p> <p>261 employees have completed the new Title IX Guidance and Sexual Harassment Training out of 299 assigned on 9/21/20</p> <p>Quarter 2: 146 completed out of 447 total Edustaff Adjuncts. 32.6% (Third Quarter will verify as we only have 200 adjuncts teaching this current semester ... which would increase the percentage significantly.)</p> <p>Regarding the pilot program for student employees, Those students are no longer working for us because of</p>	<p>for our Business Program to be delivered in a CBE modality. HLC has notified us, that we should have an answer by January or February.</p> <p>JC Virtual: The winter 2021 schedule is built and over 30% of the courses have required synchronous components. The Director, College Jackson College Virtual is putting together a faculty driven committee that will review and assist in the development of online course shells. This will promote and ensure course quality and consistency.</p> <p>Academic Vision and Planning: The Vice President of Diversity, Inclusion & Belonging is now a standing member of the Curriculum Committee. Conversation have</p>	<p>Activities; Communication & Support to the Board have been completed and presented to the board as of 12.31.20.</p> <p>ASR: The data warehouse is up and running with major validation completed as well as the BI dashboard that has reports requested by the Leadership Team.</p> <p>Assurance Filing: Writing is still in progress.</p>	<p>Campus totaling \$100,000 or \$200,000 for the FY.</p> <p>Three new endowed scholarships have been created</p> <p>Department of Justice grant underway for \$300,000.</p> <p>Grants are underway to support RSJ initiative and CV4 homes.</p> <p>\$1,250,000 provided by Foundation and donors to finish Sheffer Music Hall and Potter Center South Entry</p> <p>Revised Scholarship processes have been implemented for 2021-2022 award cycle. Changes include a streamlined application, an integrated platform with the Colleague to streamline the application process. Requirements and processes have been reduced to make the application and awarding process more equitable by removing potential</p>	<p>reviewed with leadership counsel soon.</p> <p>The College has wrapped up the FY20 audit and received a clean unmodified opinion.</p> <p>We will be phasing the elimination of online course fees out of the operating budget. We will be doing this with the assistance of federal rescue dollars through the course of FY22.</p>	<p>Committee on March 22nd to discuss the training ATD will provide for the Equity Audit.</p> <p>GEO 7 update: A cross sectional team from the Curriculum and the Assessment Committee has been meeting focusing on creating a much more robust and focused GEO 7 and strong progress has been reported.</p> <p>Affinity Groups update: 5 Affinity Groups Liaisons have been hired (expected to start in April) and 3 other positions are being posted the week of March 22nd.</p> <p>The CEO Committee has identified the 4 areas they are working on to infuse greater Equity throughout the institution: Access, Success, Programs, and Completion. They are now moving forward to identify a single point of focus for each of the four areas with a April deadline to identify each point.</p>	<p>occupied. One of them was occupied by our first family on 3/12/2021. The last 2 homes, which are ADA compliant, will be ready to be occupied by mid-April 2021.</p> <p>Deferred maint. (PROJ: p0930) No change. Costs for this analysis remain \$80-\$100k.</p> <p>Google: Information was provided and there was no significant cost savings. It was decided that we continue to leverage and explore our Microsoft product stack.</p> <p>MFA – multi-factor authentication (PROJ: p0713) Deployed to IT at this time to test 7 of the 23 most used ADFS connected applications. Once deployed to other departments each application will</p>
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	moving back to remote environment.	begun on the redesigning or development of a new GEO that better equips our students with an understanding of equity, inclusion and belonging. We have also started exploring how to build the equity lens into our academic review processes.		barriers to participation or application completion. Zoom Speaker and Information Series being launched in Spring 2021 for donors and community,			have an enhanced level of authentication requirements. Multi-factor technology helps to protect against compromised credentials.
Q3 Update 03.31.21							
Q4 Update 06.30.21							
FY '21 Summary 06.30.21							

Section 2-Instructional Programming

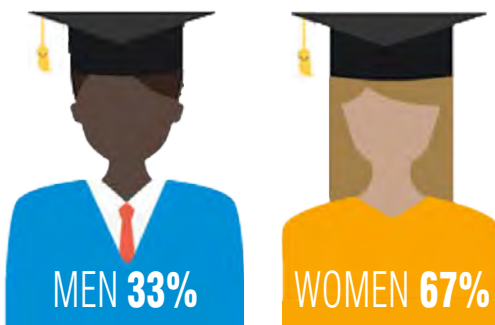
Jackson College by the numbers

Fall 2020

FULL TIME
31%

TOTAL
HEADCOUNT
4,138

PART TIME
69%



STUDENT TO FACULTY RATIO



AGE

24 AND
UNDER

76%

25-39

19%

40 AND
OVER

5%

DEMOGRAPHICS OF STUDENTS ENROLLED FOR CREDIT

WHITE	68%
UNKNOWN	18%
BLACK OR AFRICAN AMERICAN.....	10%
HISPANIC	6%
MORE THAN ONE RACE.....	5%
ASIAN	1%

DEGREES AND CERTIFICATES AWARDED IN 2019-2020 ACADEMIC YEAR

Degrees &
Certificates
Awarded **909**

Graduates **745**

*Pell Grant,
Student Loan,
State Grant or
Scholarship

77%

students receive
some type of
financial aid*

4
locations

Central Campus • Jackson, MI
W.J. Maher Campus • Jackson, MI
Clyde LeTarte Center • Hillsdale, MI
Jackson College @ LISD TECH • Adrian, MI

PROGRAMS

Bachelor Degrees:

Bachelor of Science in
Energy Systems Management

Transfer Degrees:

Associate in Arts
Associate in General Studies
Associate in Science

Transfer Programs:

English
History
Mathematics
Music
Physical Therapy
Pre-Law
Psychology
Social Work

Occupational Degree:

Associate in Applied Science

New programs are frequently being developed; to learn more visit www.jccmi.edu/academics, or speak with admissions staff or a student success navigator. If you are thinking about transferring, Jackson College has agreements in place with many universities to allow a seamless experience.

TOP 6 PROGRAMS

AGS - Associate in General Studies

AA - Associate in Arts

AAS - Business Administration

AAS - Associate in Nursing

AS - Associate in Science

Certificate - Business Administration

TRANSFER DEGREES:

Associate in Arts Degree:

- Art
- Business Administration
- Communication
- Graphic Design
- Public Administration
- Sport Management

Associate in Arts Degree Concentrations:

- Behavioral Sciences
- English
- History
- Music
- Pre-law
- Psychology
- Social Work

Associate in Applied Science Degree:

- Cloud Networking
- Cybersecurity
- Corrections
- Graphic Design
- Law Enforcement
- Nursing
- Respiratory Care

Associate in Science Degree Concentrations:

- Biology
- Engineering
- Mathematics
- Medical Sciences
- Pre-Professional Science
- Pre-Veterinary Sciences
- Therapy - physical



Business & Computer Technology



Health Sciences



Human Services



Skilled Trades & Agriculture



Liberal Arts



Science, Engineering & Mathematics

JETS

JACKSON
COLLEGE

SPORTS

Co-ed: ESports

Men's: Baseball, Basketball, Cross Country, Golf, Soccer, Bowling

Women's: Basketball, Cross Country, Soccer, Softball, Volleyball, Bowling

COLORS

Burgundy and Gold

meet
Jax-
JC mascot



Jackson
COLLEGE

PRESIDENT & CEO: Dr. Daniel J. Phelan

BOARD OF TRUSTEES: Sam R. Barnes, Chairperson
John M. Crist, Vice Chairperson • Sheila A. Patterson, Secretary
Donna L. Lake, Trustee • Matthew R. Heins, Trustee
Philip E. Hoffman, Trustee • Dr. Edward A. Mathein, Trustee

Section 3-Staffing and Enrollment

Billing Contact Hours(BCH) by Discipline Trends

Operational Definition: The Total number of billing contact hours generated in an academic year by discipline

Source: Webi Query; Courses Taken Frozen Files

	20/FL	20/IS	21/SP	21/WN	Sum
ACC	883		527	861	2271
AGT	23			13	36
ALT	57				57
ANT	240		132	429	801
ART	961		225	1006	2192
BIO	3297		1390	2889	7576
BUA	2721	33	1371	2685	6810
CAD	56		52	20	128
CCE			0		0
CEM	1124		430	1066	2620
CIS	1028		477	950	2455
CNS	752		157	683	1592
COM	1767	27	828	1569	4191
CPS			9	27	36
CRJ	636		204	594	1434
CUL	20				20
DHY	313.5		210	435	958.5
DMS	1274		1136	1294	3704
ECM	3		9	33	45
ECN	756		318	558	1632
EDU	88			60	148
EGY	104		383	180.5	667.5
ELT	787		398	855	2040
EMS	112		85	262	459
ENG	4821		1494	2896	9211
ENT	165		42	258	465
FYS	104		28	154	286
GEL	500		315	685	1500
GEO	354		649	445	1448
HIS	1176	21	192	1016	2405
HOC	491		280	516	1287
HPF	122		116	185	423
HUM	936		387	786	2109
LTL	0			0	0
MAT	3396		1411	3319	8126
MED	204		198	210	612
MFG	153		178	205	536
MIC	135		195	204	534
MOA	681		351	507	1539

MUS	700		240	681	1621
NRS	1987.12		87	1977.88	4052
NSC	215		78	144	437
PAM				3	3
PHL	339		60	228	627
PHY	281		107	375	763
PLS	525		117	441	1083
PNC	402.5			441.46	843.96
PSY	2675		782	2364	5821
RAD	493		401.5	476.5	1371
RES	433		473	573	1479
SEM	2007		450	591	3048
SMT	90		3	96	189
SOC	552	18	165	480	1215
SPN	232		96	248	576
STM	90		30	51	171
SWK				72	72
THR	81		36	156	273
WLD	128			112	240
WRL	10			12	22

Jackson College
Employee to Student Ratios
Fiscal Year 2021

	Annual FTE Students	2963
<u>Employee Classification</u>	<u>FT Employee Count</u>	<u>FT Employee/Student Ratio</u>
Administrators	41	1 to 72
Staff	131	1 to 22
Faculty	60	1 to 49
Overall	232	1 to 13

Employee Profile

Fall 2020/WN 2021



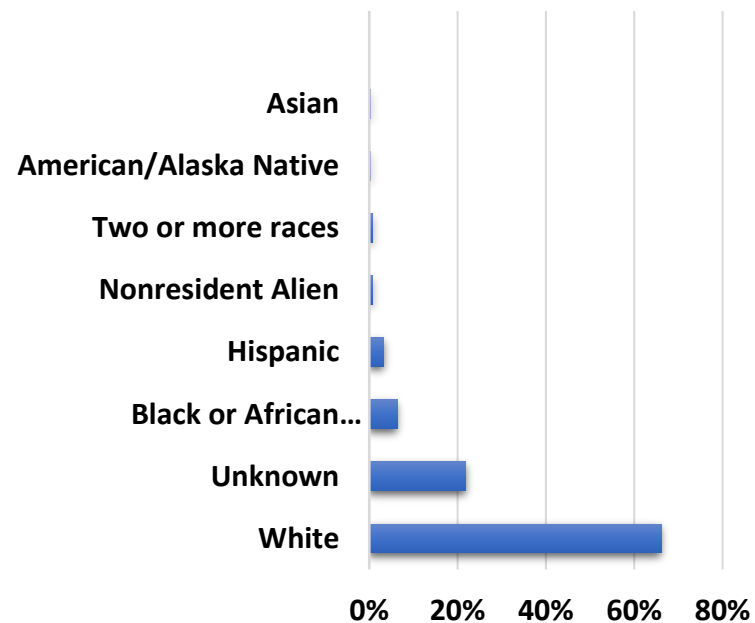
Institutional Research and Effectiveness

Source: Webi Query IPEDS HR/Does not include Adjunct Employees

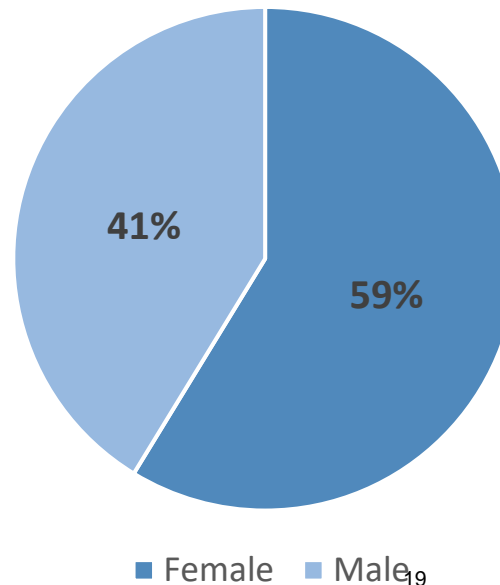
Position Type

Leadership	Dean	Faculty	Administration	Classified/Tech
8	4	60	29	131

Race & Ethnicity Breakdown



Gender

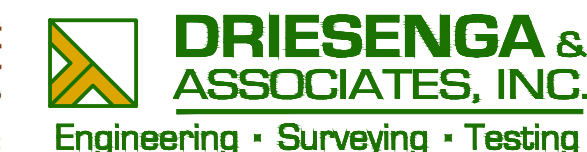


Section 4-Master Plan

- BW - BERT WALKER HALL**
FINE ARTS/LIBERAL ARTS/CENTER FOR STUDENT SUCCESS/ADJUNCT FACULTY OFFICES/WALKER COMMONS
- CCC - CHILD CARE CENTER**
ABC ACADEMY
- CEC - COMMUNITY EVENTS CENTER**
RUNNING TRACK/FITNESS CENTER/RACQUETBALL
- CS - CAMPUS SERVICES**
FACILITIES/PRINT SHOP/SHIPPING RECEIVING
- CV - CAMPUS VIEW**
STUDENT RESIDENCE
- FH - VICTOR CUISS FIELDHOUSE**
- GP - GEORGE POTTER CENTER**
PERFORMING ARTS/ADMINISTRATION/ADMISSIONS/DINING
- HLC - HEALTH LABORATORY CENTER**
- JM - JAMES MCDIVITT HALL**
SCIENCE LABS/GENERAL CLASSROOMS/MCDIVITT COMMONS
- JPEC - JACKSON PREPARATORY EARLY COLLEGE**
- JW - JUSTIN WHITING HALL**
RAWAL CENTER FOR HEALTH PROFESSIONS/GENERAL CLASSROOMS
- JWA - JUSTIN WHITING ANNEX**
AUTO TECHNOLOGY/AUTO BODY/DIESEL
- STF - SPORTS TRAINING FACILITY**
SPORTS TRAINING/RESTROOMS/CONCESSIONS
- WA - WILLIAM ATKINSON HALL**
INFO COMMONS/STUDENT CENTER/BOOKSTORE/INTERNET CAFE

NO SCALE

JACKSON COLLEGE MASTER PLAN



Engineering • Surveying • Testing

Jackson College									
Facilities Assessment									
October 2021									
								Replacement	
BUILDING	Site	Location	Constructed	Gross Sq. Ft	Net Assign	Ratio	Utilization	Value	Projects
Bert H Walker Hall SBA Building	A	Central Campus	1972	56,820	47,946	84.4%	51.0%	\$20,500,000	Maintenance only
Campus Service Building	B	Central Campus	1969	17,135	10,236	59.7%	90.0%	\$2,000,000	Maintenance only
George Potter Center	C	Central Campus	1976	147,372	141,929	96.3%	70.0%	\$25,000,000	Maintenance only
James A McDivitt Hall	D	Central Campus	1969	76,973	62,825	81.6%	48.0%	\$19,000,000	One of the last instructional facilities on campus in need of a comprehensive renovation.
Justin R Whiting Hall	E	Central Campus	1967	81,266	78,418	96.5%	44.0%	\$18,000,000	
Justin R Whiting Hall Annex	F	Central Campus	1968	13,401	12,853	95.9%	53.0%	\$3,000,000	Maintenance only
Victor Cuiss Fieldhouse	H	Central Campus	1971	55,952	49,576	88.6%	20.0%	\$6,000,000	Maintenance only
Jets Hangar	I	Central Campus	1977	14,300	13,500	94.4%	90.0%	\$2,000,000	Maintenance only
Dahlem Environmental Education Center	J	Central Campus	1975	3,005	2,850	94.8%	90.0%	\$350,000	Maintenance only
William Atkinson Hall SBA Building	K	Central Campus	2007	56,950	37,120	65.0%	61.0%	\$16,000,000	Maintenance only
Campus View Apartments	L	Central Campus	2008	42,500	38,000	89.4%	95.0%	\$7,800,000	Maintenance only
Campus View Apart. II	M	Central Campus	2010	44,000	39,000	88.6%	95.0%	\$8,200,000	Maintenance only
Health Learning Center	N	Central Campus	2011	42,390	25,060	59.1%	Fall 2011	\$13,000,000	Maintenance only
Parking Lots		Central Campus	Various	14.36 acres	1,841 spaces				Maintenance only
Central Electric Distrubrion		Central Campus	Various						Maintenance only
JCC at Lenawee VoTech SBA Building	O	Adrian	2003	26,000	24,000	92.3%	70.0%	\$3,500,000	Maintenance only
Parking Lots		Adrian	2003						Maintenance only
Central Electric Distrubrion		Adrian	2003						Maintenance only
Clyde LeTarte Center	R	Hillsdale	Unknown	10,640	9,600	90.2%	80.0%	\$2,000,000	Maintenance only
Parking Lots		Hillsdale	Unknown						Maintenance only
Central Electric Distrubrion		Hillsdale	Unknown						Maintenance only
North Campus	U	Jackson North	1980	42,335	40,000	94.5%	75.0%	\$5,000,000	2/3 currently used 1/3 unoccupied Maintenance only Owned by Jackson College
Campus View Apart III	V	Central Campus	2015	69,500	50,600	72.8%	95.0%	\$10,000,000	
Tiny Home A	W	Central Campus	2020	577	477	82.7%	100.0%	\$80,000	
Tiny Home B	W	Central Campus	2020	577	477	82.7%	100.0%	\$80,000	
Tiny Home C	X	Central Campus	2020	650	550	84.6%	100.0%	\$95,000	
Tiny Home D	X	Central Campus	2020	650	550	84.6%	100.0%	\$95,000	
Tiny Home E	X	Central Campus	2020	650	550	84.6%	100.0%	\$95,000	
Tiny Home F	X	Central Campus	2020	650	550	84.6%	100.0%	\$95,000	

Jackson College
Fiscal Year 2022 - 2027
Facilities Plan

Building	Projects	Tax Exempt Bond Proceeds	State Funds	Foundation Donation Support	HEERF Federal Funds	Major Maintenance Funds	Future Operations Funds	Two Months Operating Expense
	6/30/2021 General Fund	-	-	-	-	-	703,784	-
	6/30/2021 Designated Fund	-	-	-	-	-	12,636,486	-
	9/30/2021 Building & Site Fund	-	-	1,350,000	-	7,391,743	-	-
	Projected Balance 6/30/2021	\$ -	\$ -	\$ 1,350,000	\$ -	\$ 7,391,743	\$ 13,340,270	\$ 6,836,116
Fiscal Year 2021-22								
Various	Misc. Building and Site Repairs	-	-	-	-	(100,000)	-	-
Central Campus	Beltway Signage	-	-	-	-	(75,000)	-	-
Central Campus	Potter Center South Entrance	-	-	(750,000)	-	(400,000)	-	-
Central Campus	Potter Center Music Hall	-	-	(600,000)	-	-	-	-
Central Campus	Athletic Field Improvements	-	-	-	-	(3,250,000)	-	-
Central Campus	Astronomy Observatory	-	-	-	-	(175,000)	-	-
Central Campus	CV4 Family Playground	-	-	-	-	(165,000)	-	-
Central Campus	Deferred Maintenance Planning	-	-	-	-	(100,000)	-	-
Central Campus	Campus View 1 Siding replacement	-	-	-	-	(220,000)	-	-
	Planned 6/30/2022 Transfer	-	-	-	-	1,000,000	-	-
	Projected Balance 6/30/2022	\$ -	\$ -	\$ -	\$ -	\$ 3,906,743	\$ 13,340,270	\$ 6,913,250
Fiscal Year 2022-23								
Central Campus	Misc. Building and Site Repairs	-	-	-	-	(100,000)	-	-
Central Campus	Astronomy Observatory	-	-	-	-	(470,000)	-	-
Central Campus	Roof Repairs	-	-	-	-	(500,000)	-	-
Central Campus	Athletic Field Phase 2 & Campus Sign	-	-	-	-	(2,250,000)	-	-
	Planned 6/30/2023 Transfer	-	-	-	-	1,000,000	-	-
	Projected Balance 6/30/2023	\$ -	\$ -	\$ -	\$ -	\$ 1,586,743	\$ 13,340,270	\$ 6,984,203
Fiscal Year 2023-24								
Central Campus	Roof Repairs	-	-	-	-	(500,000)	-	-
Central Campus	North/South Beltway & Parking Lots at EIC & Fieldhouse	-	-	-	-	(1,250,000)	-	-
Various	Misc. Building and Site Repairs	-	-	-	-	(100,000)	-	-
	Planned 6/30/2024 Transfer	-	-	-	-	1,000,000	-	-
	Projected Balance 6/30/2024	\$ -	\$ -	\$ -	\$ -	\$ 736,743	\$ 13,340,270	\$ 6,784,125
Fiscal Year 2024-25								
Central Campus	Courtyard Improvements	-	-	-	-	(1,000,000)	-	-
Central Campus	McDivitt Hall Capital Outlay Project (\$45M)	22,500,000	22,500,000	-	-	-	-	-
Central Campus	McDivitt Hall Capital Outlay Project (\$45M)	(22,500,000)	(22,500,000)	-	-	-	-	-
Central Campus	Dinner Theatre / Michael Bauhman	-	-	-	-	(2,000,000)	-	-
Central Campus	Roof Repairs	-	-	-	-	(500,000)	-	-
Various	Misc. Building and Site Repairs	-	-	-	-	(150,000)	-	-
	Planned 6/30/2025 Transfer	-	-	-	-	1,000,000	-	-
	Projected Balance 6/30/2025	\$ -	\$ -	\$ -	\$ -	\$ (1,913,257)	\$ 13,340,270	\$ 6,801,469
Fiscal Year 2025-26								
Central Campus	Courtyard Improvements	-	-	-	-	(1,000,000)	-	-
Central Campus	Campus View 5	-	-	-	-	(10,000,000)	-	-
Various	Misc. Building and Site Repairs	-	-	-	-	(100,000)	-	-
	Planned 6/30/2026 Transfer	-	-	-	-	1,000,000	-	-
	Projected Balance 6/30/2026	\$ -	\$ -	\$ -	\$ -	\$ (12,013,257)	\$ 13,340,270	\$ 6,801,469
Fiscal Year 2026-27								
Central Campus	Courtyard Improvements	-	-	-	-	(1,000,000)	-	-
Various	Misc. Building and Site Repairs	-	-	-	-	(100,000)	-	-
Central Campus	Roof Repairs	-	-	-	-	(300,000)	-	-
	Planned 6/30/2027 Transfer	-	-	-	-	1,000,000	-	-
	Projected Balance 6/30/2027	\$ -	\$ -	\$ -	\$ -	\$ (12,413,257)	\$ 13,340,270	\$ 6,801,469

Note: Projects are advanced based upon available funding.

Average Class Size		Duplicated	
Year	Sections	Headcount	Average
2020-2021	1,802	28,444	15.8
2019-2020	2,153	32,465	15.1
2018-2019	2,289	33,903	14.8
2017-2018	2,019	30,314	15.0
2016-2017	2,236	33,058	14.8
2015-2016	2,518	37,044	14.7
2014-2015	2,283	36,197	15.9
2013-2014	2,883	38,188	13.2
2012-2013	2,559	41,826	16.3
2011-2012	2,850	47,799	16.8
2010-2011	3,053	56,055	18.4
2009-2010	3,072	58,410	19.0
2008-2009	2,900	48,197	16.6
2007-2008	2,791	43,500	15.6
2006-2007	2,514	39,959	15.9
2005-2006	2,356	36,640	15.6
2004-2005	2,309	36,960	16.0
2003-2004	2,226	36,030	16.2
2002-2003	3,054	38,956	12.8
2001-2002	3,149	37,326	11.9
2000-2001	3,306	36,153	10.9
1999-2000	3,689	36,920	10.0
1998-1999	3,795	41,555	10.9
1997-1998	3,900	44,186	11.3

Source :ACS6 worksheet

Space Utilization

Average Weekly Utilization for Sections and Events by Building and Room

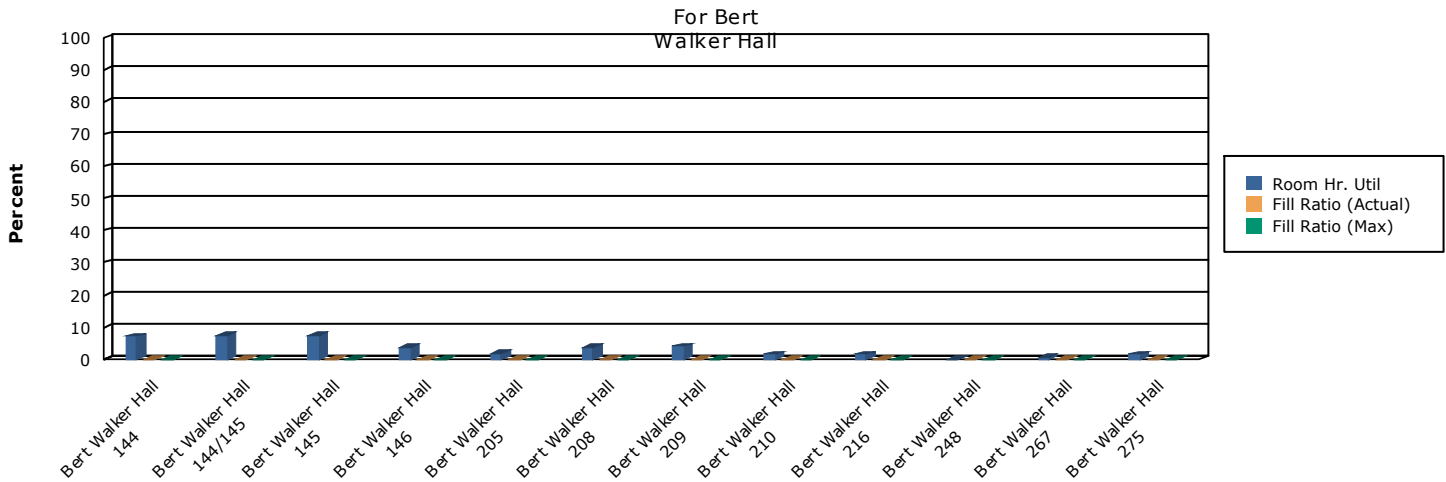
Term weeks: 16.00

Hours in Standard week:

Dates: 8/30/2020 - 8/9/2021

Standard Week: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday - 8:00 AM to 10:00 PM

Building - Room	Roomtype	Room Hrs.	Room Hr. Util.	Room Capacity	Enrollment/ Max Enrollment	Fill Ratio Actual Enroll.	Fill Ratio Max Enroll.
Central Campus -							
Bert Walker Hall							
144	CONFERENCE ROOM	3.75	7.21%	107.00	0.00 / 0.00	0.00%	0.00%
144/145	CONFERENCE ROOM	3.88	7.45%	212.00	0.00 / 0.00	0.00%	0.00%
145	CONFERENCE ROOM	3.88	7.45%	107.00	0.00 / 0.00	0.00%	0.00%
146	CONFERENCE ROOM	1.97	3.79%	14.00	0.00 / 0.00	0.00%	0.00%
205	CLASSROOM	0.94	1.80%	30.00	0.00 / 0.00	0.00%	0.00%
208	CLASSROOM	1.97	3.79%	32.00	0.00 / 0.00	0.00%	0.00%
209	CLASSROOM	2.13	4.09%	48.00	0.00 / 0.00	0.00%	0.00%
210	CLASSROOM	0.84	1.62%	32.00	0.00 / 0.00	0.00%	0.00%
216	CLASSROOM	0.81	1.56%	32.00	0.00 / 0.00	0.00%	0.00%
248	COMMONS	0.06	0.12%	25.00	0.00 / 0.00	0.00%	0.00%
267	CONFERENCE ROOM	0.25	0.48%	10.00	0.00 / 0.00	0.00%	0.00%
275	CONFERENCE ROOM	0.72	1.38%	20.00	0.00 / 0.00	0.00%	0.00%
Bert Walker Hall	12 room(s)	21.19	3.40%	91.07	0.00 / 0.00	0.00%	0.00%



Fieldhouse							
101	CLASSROOM	55.69	107.09%	24.00	0.00 / 0.00	0.00%	0.00%
111	GROUND	26.81	51.56%	50.00	0.00 / 0.00	0.00%	0.00%
111-1	GROUND	0.56	1.08%	500.00	0.00 / 0.00	0.00%	0.00%
116	GROUND	7.00	13.46%	40.00	0.00 / 0.00	0.00%	0.00%

Space Utilization

Average Weekly Utilization for Sections and Events by Building and Room

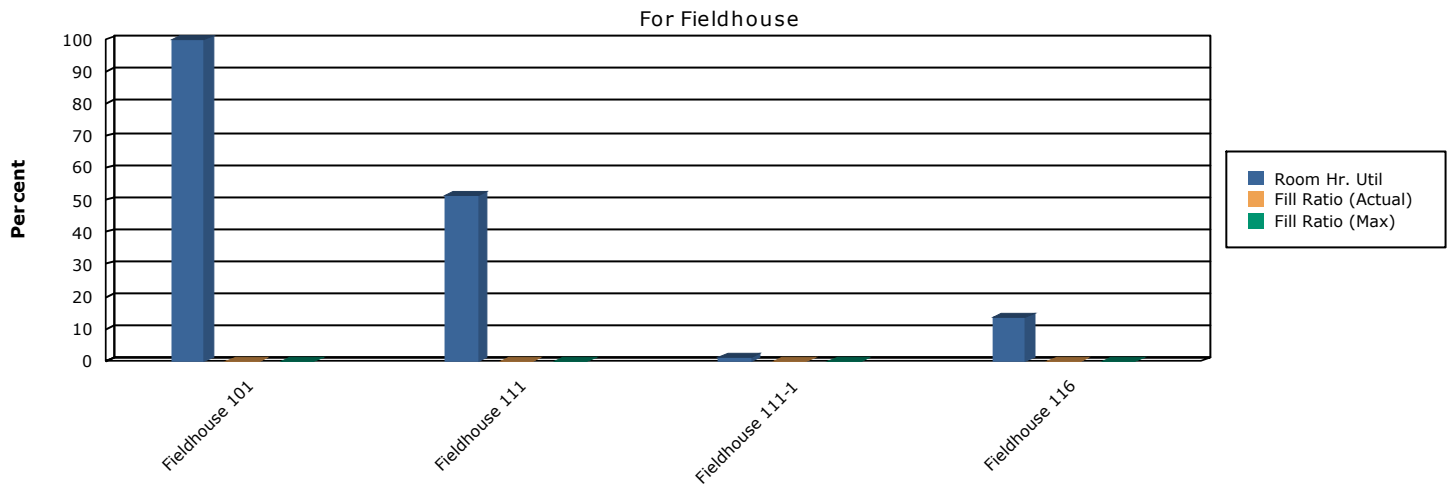
Term weeks: 16.00

Hours in Standard week:

Dates: 8/30/2020 - 8/9/2021

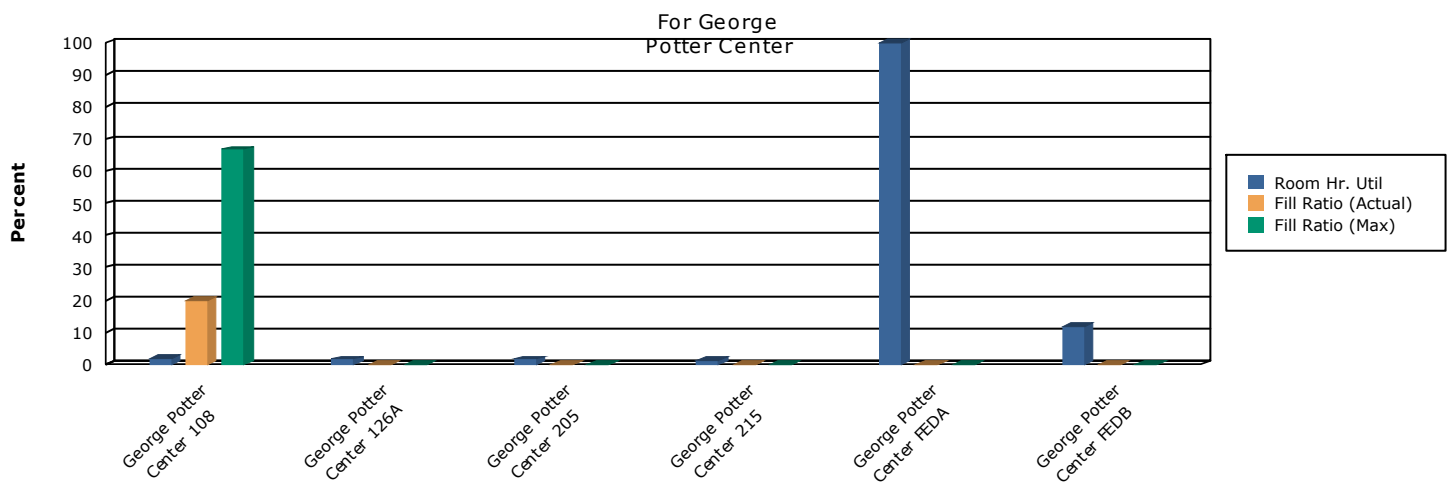
Standard Week: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday - 8:00 AM to 10:00 PM

Building - Room	Roomtype	Room Hrs.	Room Hr. Util.	Room Capacity	Enrollment/ Max Enrollment	Fill Ratio Actual Enroll.	Fill Ratio Max Enroll.
Fieldhouse	4 room(s)	90.06	43.30%	35.96	0.00 / 0.00	0.00%	0.00%



George Potter Center

108	CLASSROOM	1.00	1.92%	30.00	6.00 / 20.00	20.00%	66.67%
126A	CAFETERIA	0.81	1.56%	360.00	0.00 / 0.00	0.00%	0.00%
205	THEATRE	0.75	1.44%	1,046.00	0.00 / 0.00	0.00%	0.00%
215	COMMONS	0.59	1.14%	25.00	0.00 / 0.00	0.00%	0.00%
FEDA	CONFERENCE ROOM	74.91	144.05%	40.00	0.00 / 0.00	0.00%	0.00%
FEDB	CONFERENCE ROOM	6.13	11.78%	40.00	0.00 / 0.00	0.00%	0.00%
George Potter Center 6 room(s)		84.19	26.98%	51.83	0.07 / 0.24	0.14%	0.46%



Grounds

BBD	GROUNDS	3.16	6.07%	60.00	0.00 / 0.00	0.00%	0.00%
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Space Utilization

Average Weekly Utilization for Sections and Events by Building and Room

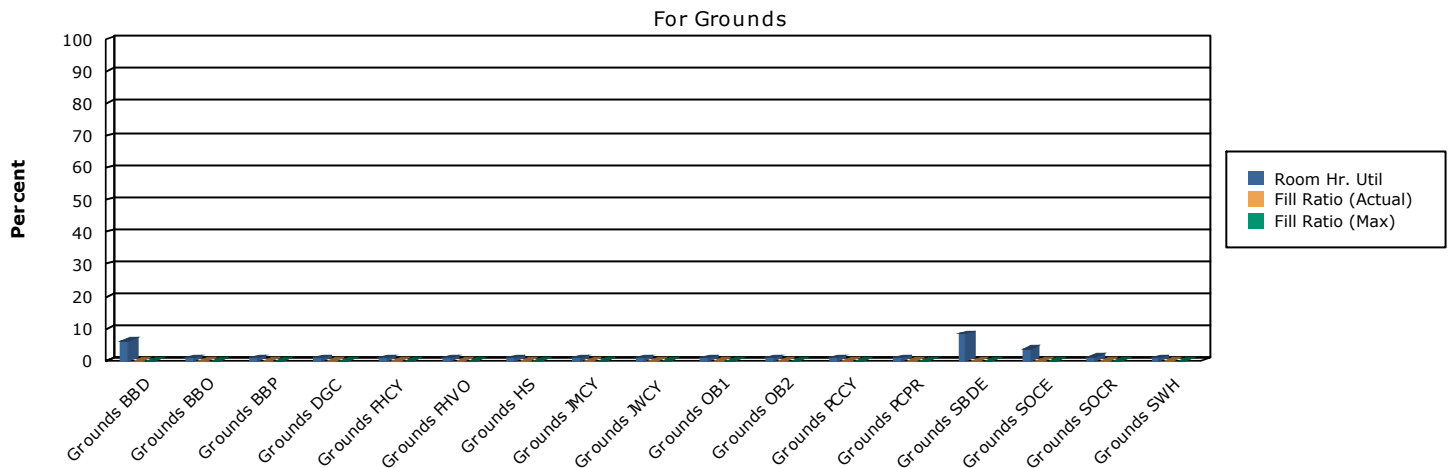
Term weeks: 16.00

Hours in Standard week:

Dates: 8/30/2020 - 8/9/2021

Standard Week: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday - 8:00 AM to 10:00 PM

Building - Room	Roomtype	Room Hrs.	Room Hr. Util.	Room Capacity	Enrollment/ Max Enrollment	Fill Ratio Actual Enroll.	Fill Ratio Max Enroll.
BBO	GROUNDS	0.41	0.78%	120.00	0.00 / 0.00	0.00%	0.00%
BBP	MEETING SPACE	0.41	0.78%	100.00	0.00 / 0.00	0.00%	0.00%
DGC	GROUNDS	0.41	0.78%	60.00	0.00 / 0.00	0.00%	0.00%
FHCY	COURTYARD	0.41	0.78%	60.00	0.00 / 0.00	0.00%	0.00%
FHVO	GROUNDS	0.41	0.78%	20.00	0.00 / 0.00	0.00%	0.00%
HS	GROUNDS	0.41	0.78%	96.00	0.00 / 0.00	0.00%	0.00%
JMCY	COURTYARD	0.41	0.78%	60.00	0.00 / 0.00	0.00%	0.00%
JWCY	COURTYARD	0.41	0.78%	60.00	0.00 / 0.00	0.00%	0.00%
OB1	GROUNDS	0.41	0.78%	1.00	0.00 / 0.00	0.00%	0.00%
OB2	GROUNDS	0.41	0.78%	5.00	0.00 / 0.00	0.00%	0.00%
PCCY	COURTYARD	0.41	0.78%	60.00	0.00 / 0.00	0.00%	0.00%
PCPR	COURTYARD	0.47	0.90%	60.00	0.00 / 0.00	0.00%	0.00%
SBDE	GROUNDS	4.34	8.35%	60.00	0.00 / 0.00	0.00%	0.00%
SOCE	GROUNDS	1.97	3.79%	60.00	0.00 / 0.00	0.00%	0.00%
SOCR	GROUNDS	0.69	1.32%	60.00	0.00 / 0.00	0.00%	0.00%
SWH	GROUNDS	0.41	0.78%	5.00	0.00 / 0.00	0.00%	0.00%
Grounds	17 room(s)	15.50	1.75%	58.09	0.00 / 0.00	0.00%	0.00%



Health Laboratory Center

101	CLASSROOM	0.13	0.24%	40.00	0.00 / 0.00	0.00%	0.00%
104	CLASSROOM	0.19	0.36%	40.00	0.00 / 0.00	0.00%	0.00%
111	LAB - NURSING	10.06	19.35%	40.00	7.19 / 11.48	17.98%	28.70%
114	LAB - NURSING	6.56	12.62%	40.00	9.00 / 10.00	22.50%	25.00%
118	LAB - NURSING	14.06	27.04%	40.00	6.60 / 11.05	16.50%	27.63%
201	LAB - MOA	33.19	63.82%	24.00	4.74 / 11.72	19.74%	48.82%
204	LAB - RES	27.25	52.40%	40.00	10.87 / 12.59	27.17%	31.47%

Space Utilization

Average Weekly Utilization for Sections and Events by Building and Room

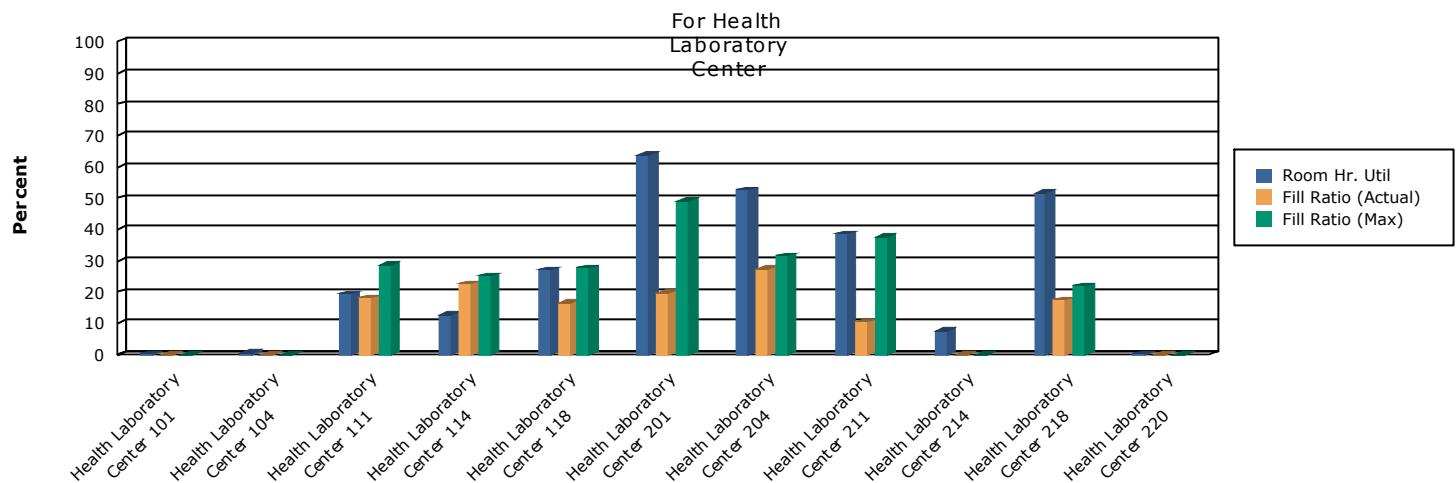
Term weeks: 16.00

Hours in Standard week:

Dates: 8/30/2020 - 8/9/2021

Standard Week: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday - 8:00 AM to 10:00 PM

Building - Room	Roomtype	Room Hrs.	Room Hr. Util.	Room Capacity	Enrollment/ Max Enrollment	Fill Ratio Actual Enroll.	Fill Ratio Max Enroll.
211	LAB - EMS	20.00	38.46%	40.00	4.13 / 15.00	10.31%	37.50%
214	LAB - RAD	3.94	7.57%	45.00	0.00 / 0.00	0.00%	0.00%
218	LAB - DMS	26.78	51.50%	45.00	7.88 / 9.82	17.52%	21.83%
220	BREAKOUT	0.06	0.12%	8.00	0.00 / 0.00	0.00%	0.00%
Health Laboratory Center room(s)		142.22	24.86%	37.33	6.83 / 11.47	18.29%	30.73%



James McDivitt Hall

107	LAB - GEOLOGY	1.75	3.37%	24.00	5.00 / 24.00	20.83%	100.00%
133	LAB - BIOLOGY	14.25	27.40%	24.00	3.81 / 12.00	15.86%	50.00%
207	LAB - PHYSICS	14.00	26.92%	24.00	3.29 / 12.00	13.69%	50.00%
216	LECTURE HALL	0.25	0.48%	96.00	0.00 / 0.00	0.00%	0.00%
218	LECTURE HALL	4.38	8.41%	96.00	0.00 / 0.00	0.00%	0.00%

Space Utilization

Average Weekly Utilization for Sections and Events by Building and Room

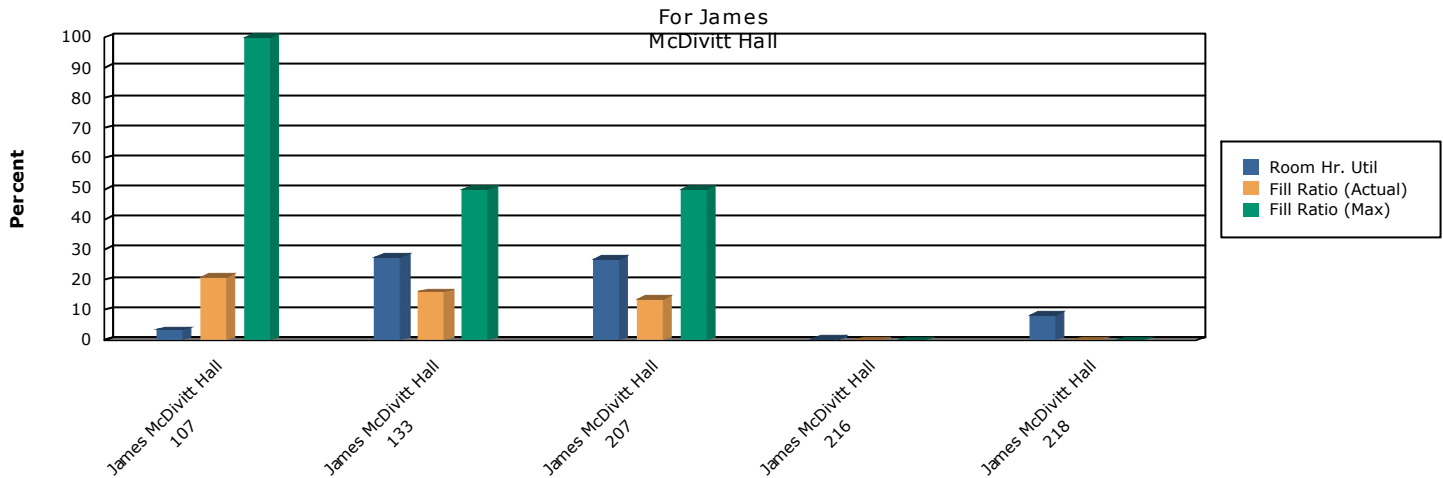
Term weeks: 16.00

Hours in Standard week:

Dates: 8/30/2020 - 8/9/2021

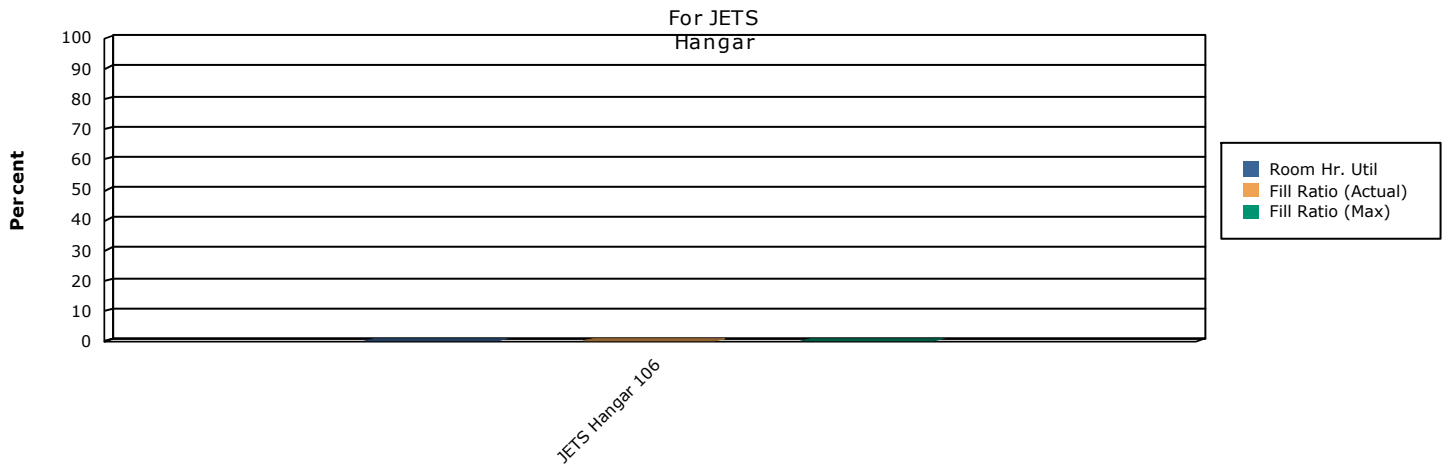
Standard Week: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday - 8:00 AM to 10:00 PM

Building - Room	Roomtype	Room Hrs.	Room Hr. Util.	Room Capacity	Enrollment/ Max Enrollment	Fill Ratio Actual Enroll.	Fill Ratio Max Enroll.
James McDivitt Hall	5 room(s)	34.63	13.32%	33.62	3.15 / 11.00	9.36%	32.73%



JETS Hangar

106	COMMONS	0.06	0.12%	250.00	0.00 / 0.00	0.00%	0.00%
JETS Hangar	1 room(s)	0.06	0.12%	250.00	0.00 / 0.00	0.00%	0.00%



Justin Whiting Hall

104G	CLASSROOM	75.94	146.03%	10.00	8.54 / 8.69	85.45%	86.93%
109	CLASSROOM	0.50	0.96%	38.00	0.00 / 0.00	0.00%	0.00%
169	LAB - ELECTRONICS	1.13	2.16%	24.00	17.67 / 16.00	73.61%	66.67%
171	LAB	4.75	9.13%	24.00	5.26 / 5.26	21.93%	21.93%
172	CLASSROOM	0.44	0.84%	24.00	0.00 / 0.00	0.00%	0.00%
174	LAB-WELDING	16.16	31.07%	24.00	6.48 / 11.03	27.00%	45.94%

Space Utilization

Average Weekly Utilization for Sections and Events by Building and Room

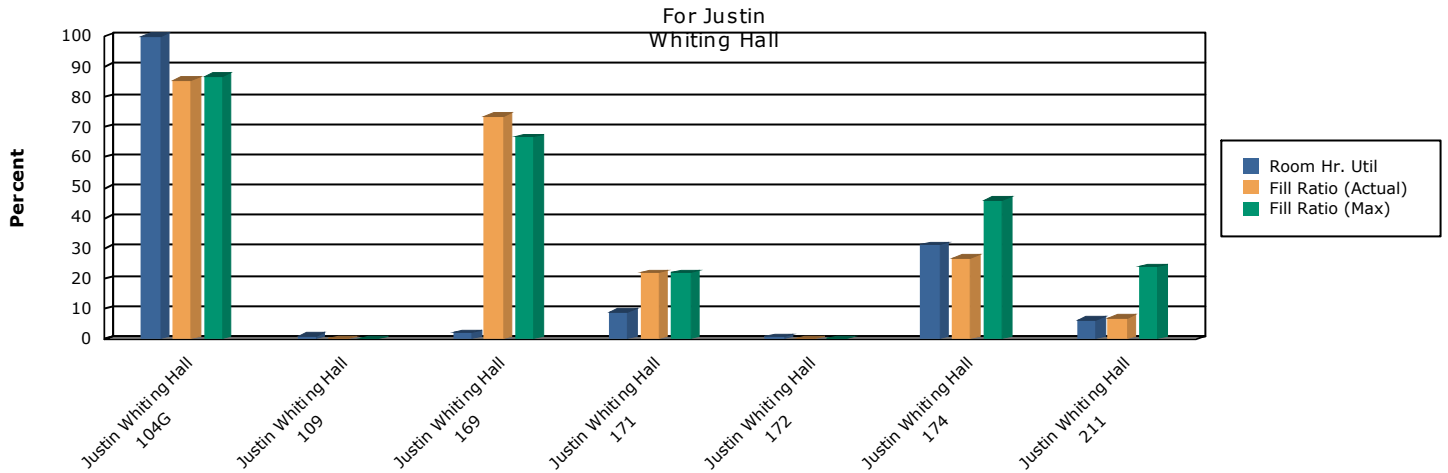
Term weeks: 16.00

Hours in Standard week:

Dates: 8/30/2020 - 8/9/2021

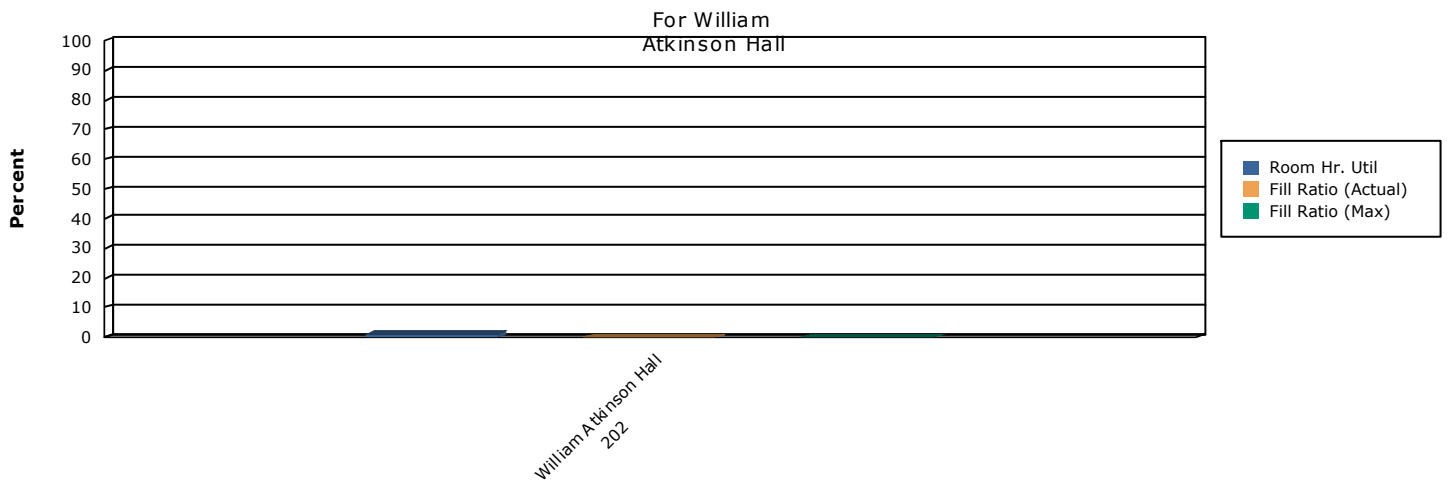
Standard Week: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday - 8:00 AM to 10:00 PM

Building - Room	Roomtype	Room Hrs.	Room Hr. Util.	Room Capacity	Enrollment/ Max Enrollment	Fill Ratio Actual Enroll.	Fill Ratio Max Enroll.
211	CLASSROOM	3.25	6.25%	42.00	3.00 / 10.00	7.14%	23.81%
Justin Whiting Hall	7 room(s)	102.16	28.06%	14.23	7.91 / 8.94	55.58%	62.84%



William Atkinson Hall

202	CONFERENCE ROOM	0.53	1.02%	16.00	0.00 / 0.00	0.00%	0.00%
William Atkinson Hall 1 room(s)		0.53	1.02%	16.00	0.00 / 0.00	0.00%	0.00%



Campus Total:	64 room(s)	490.53	14.74%	37.48	3.86 / 6.01	10.31%	16.03%
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Space Utilization

Average Weekly Utilization for Sections and Events by Building and Room

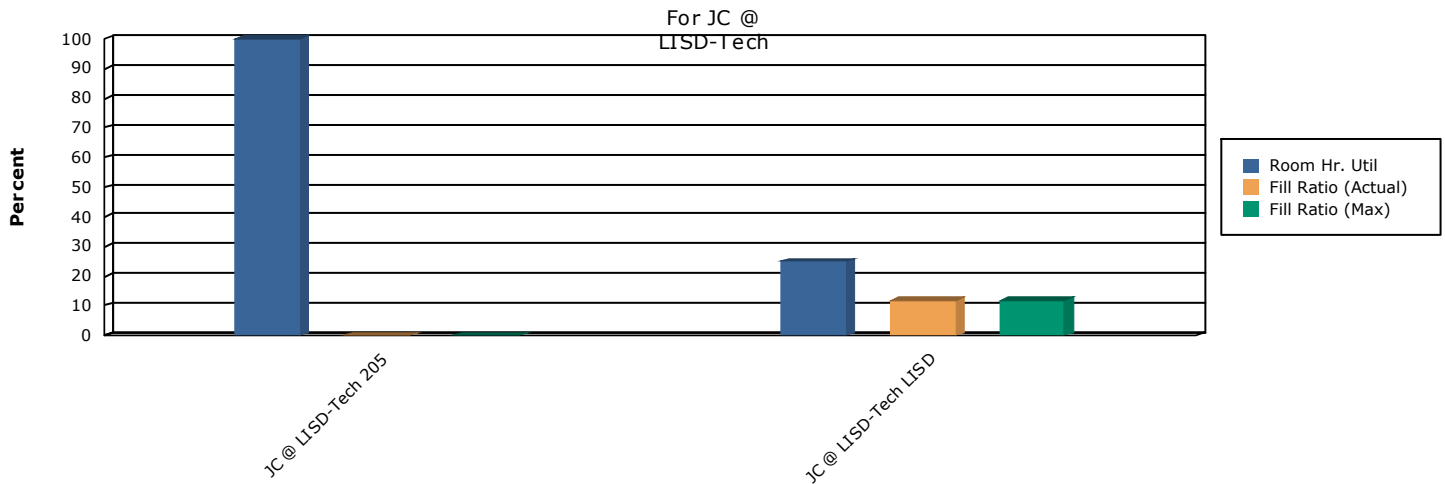
Term weeks: 16.00

Hours in Standard week:

Dates: 8/30/2020 - 8/9/2021

Standard Week: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday - 8:00 AM to 10:00 PM

Building - Room	Roomtype	Room Hrs.	Room Hr. Util.	Room Capacity	Enrollment/ Max Enrollment	Fill Ratio Actual Enroll.	Fill Ratio Max Enroll.
JC @ LISD TECH -							
JC @ LISD-Tech							
205	CLASSROOM	115.31	221.75%	32.00	0.00 / 0.00	0.00%	0.00%
LISD	PLACEHOLDER	13.00	25.00%	50.00	5.92 / 5.92	11.85%	11.85%
JC @ LISD-Tech	2 room(s)	128.31	123.38%	33.82	0.60 / 0.60	1.77%	1.77%



Campus Total:	2 room(s)	128.31	123.38%	33.82	0.60 / 0.60	1.77%	1.77%
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Space Utilization

Average Weekly Utilization for Sections and Events by Building and Room

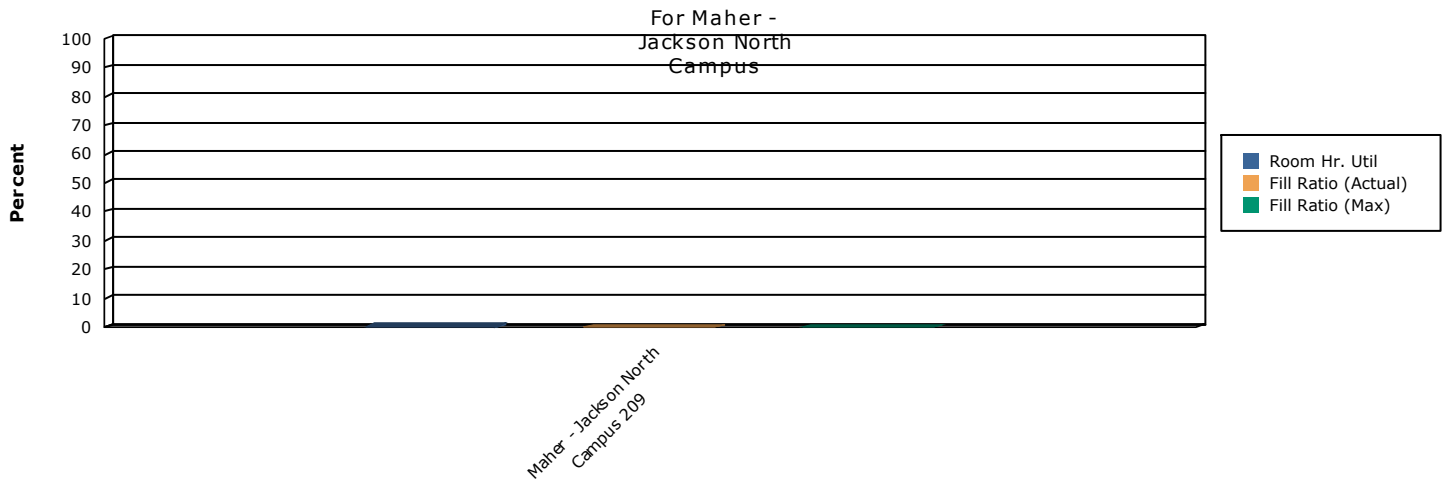
Term weeks: 16.00

Hours in Standard week:

Dates: 8/30/2020 - 8/9/2021

Standard Week: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday - 8:00 AM to 10:00 PM

Building - Room	Roomtype	Room Hrs.	Room Hr. Util.	Room Capacity	Enrollment/ Max Enrollment	Fill Ratio Actual Enroll.	Fill Ratio Max Enroll.
W.J. Maher Campus (North) -							
Maher - Jackson North Campus							
209	CLASSROOM	0.06	0.12%	34.00	0.00 / 0.00	0.00%	0.00%
Maher - Jackson North Campus	1 room(s)	0.06	0.12%	34.00	0.00 / 0.00	0.00%	0.00%



Campus Total:	1 room(s)	0.06	0.12%	34.00	0.00 / 0.00	0.00%	0.00%
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Space Utilization for Sections and Events by Building and Room Report Key

Purpose of Report

The Space Utilization for Sections and Events by Building and Room report shows average weekly room hours of all activities (events and sections) by building, highlighting room hour utilization and station fill (students in seats). Space utilization calculations are based on the user specified number of hours in a standard scheduling week. Additional fields show station fill calculation on both max enrollment and actual enrollment of a section. This report can be used to help enforce an academic scheduling policy outlining usage guidelines for minimum room hour usage as well as seat fill requirements. Hours used by double books and crosslists are counted only once. Enrollments and max enrollments for double books and crosslists are added together.

Definition of User Defined Parameters

Select Start and End Date - Allows a user to filter activities within a date range. The report will bring in records from all section and event meetings that occur between the start and end date.

Length of Term (in Weeks) - The report will calculate utilization based on all activities between the start and end date selected. To calculate average weekly utilization, total hours are divided by the number of weeks specified. This allows a user to account for Term dates including exam week, holiday weeks, etc.

Days in Standard Week - The report will only bring in room hours that occur on these selected days.

Standard Week Start and End Time - The report will only bring in room hours that occur between these start and end times.

Enter Hours in Standard Week - This parameter allows a user to enter the number of hours in the standard class week. For example, if the standard week to offer classes is 8:00a to 5:00p, Monday through Friday, the standard week would be 45 hours. This number is then used in the Room Hour Utilization calculation (Room Hours / Standard Week).

Select Roomtype(s) - Only hours used in rooms of the selected type(s) will be included in the report.

Definition of Report Fields

Building-Room - Lists the Building and Room code of each room used on the selected campus.

Room Hours - Average number of weekly hours scheduled in that room during the selected term. All activities are added up by room. Room hours used by double booked and crosslisted classes are only counted once. A class that meets from 8:00a to 9:00a on MWF for the entire specified term would get counted for three hours per week for the entire term (if it met for 16 weeks, it would account for 48 total hours, and then be divided by the Length of Term parameter ($48 / 16 = 3$ average weekly room hours)). If that same class met for only half of the specified term (8 weeks), it would only get counted for one and half hours of usage ($24 / 16 = 1.5$ average weekly room hours). Class hours are rounded up to the next half hour (a class meeting from 8:00a to 9:45a would get counted as 2.00 hours).

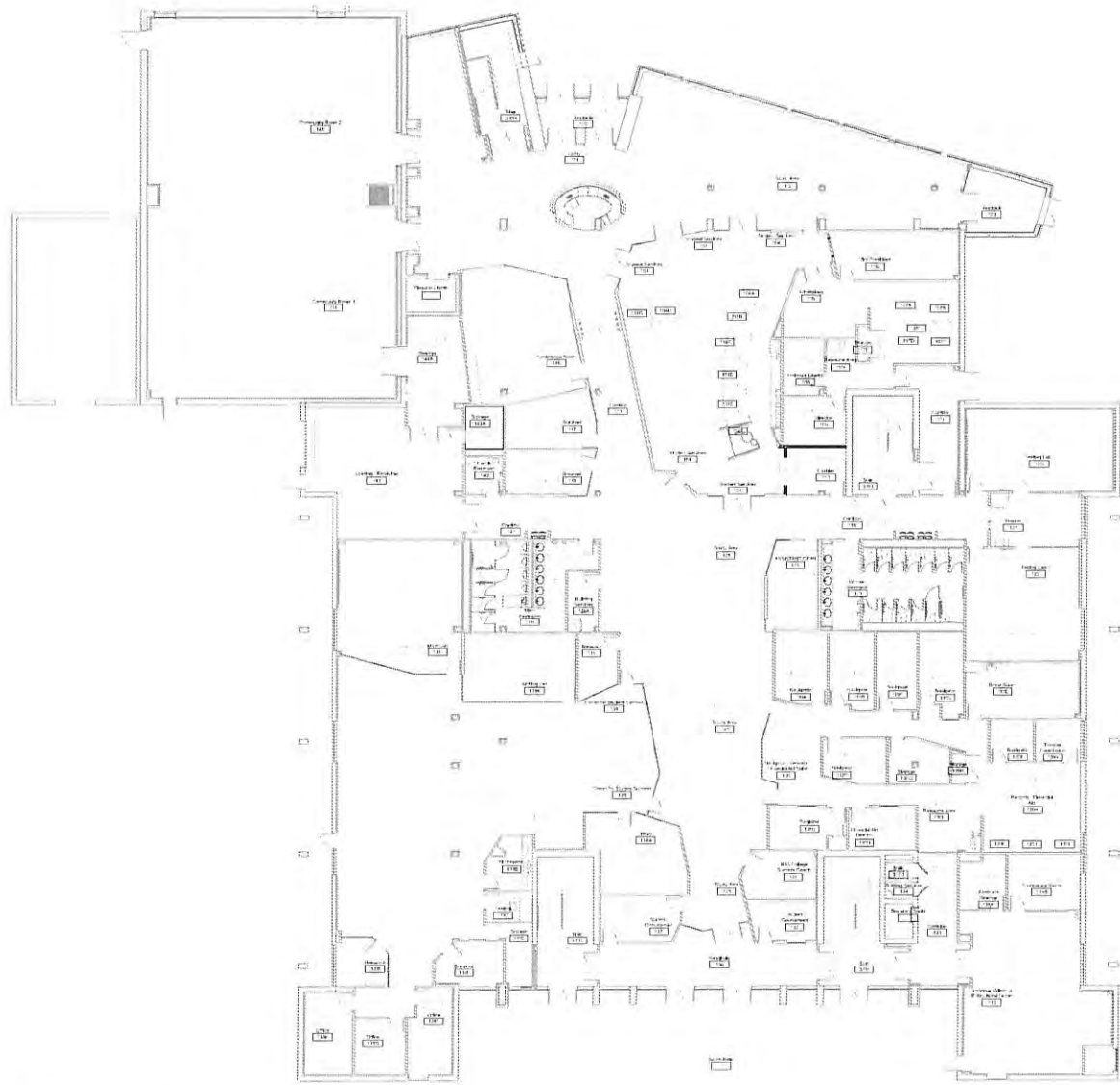
Room Hour Utilization - Percentage of the standard weekly hours used by that room. The standard weekly hours are entered as a user defined parameter when the report is run. (Room Hours / Standard Week)

Room Capacity - Number of seats in the room.

Enrollment/Max Enrollment - Weighted average of the actual enrollment and max enrollment of each section scheduled into the room during the specified term.

Fill Ratio (Actual and Max) - Ratio of Actual enrollment or Max Enrollment to the capacity in the room.

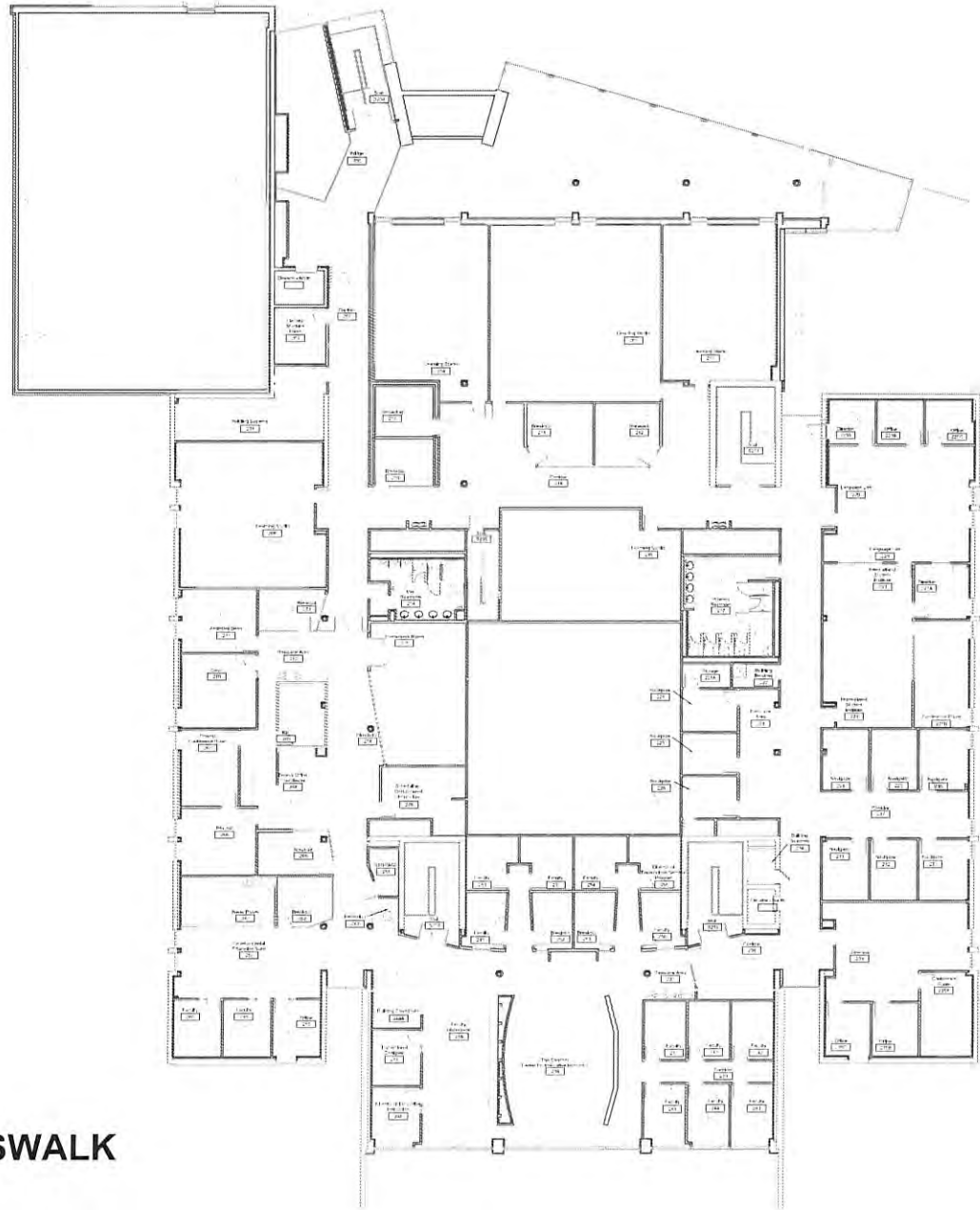
A-1



BW - 1st Floor - ROOM NUMBER CROSSWALK

scale: none | version: 23 | date: 08/05/2016 | PROJ: p0468

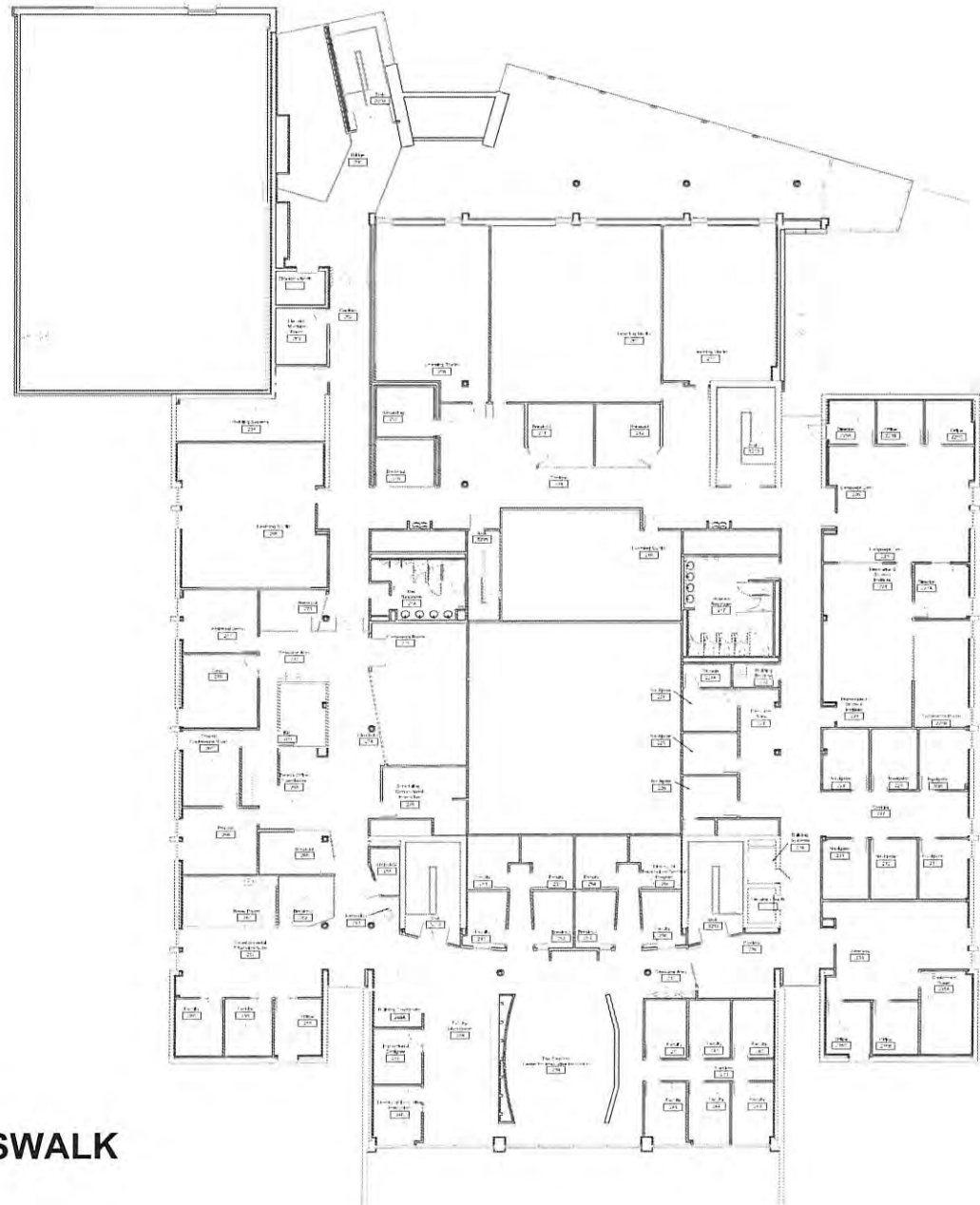
A-2



BW - 2nd Floor - ROOM NUMBER CROSSWALK

scale: none | version: 23 | date: 08/05/2016 | PROJ: p0468

A-3



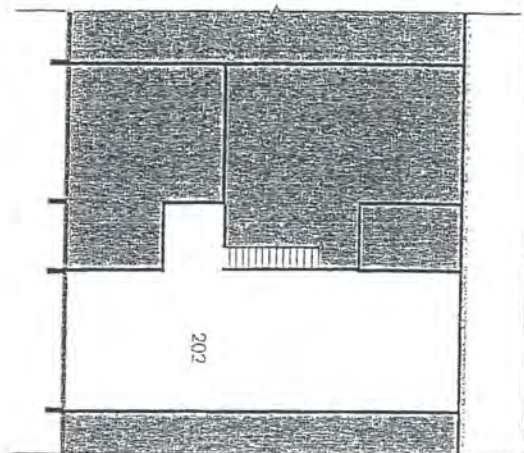
BW - 2nd Floor - ROOM NUMBER CROSSWALK

scale: none | version: 23 | date: 08/05/2016 | PROJ: p0468

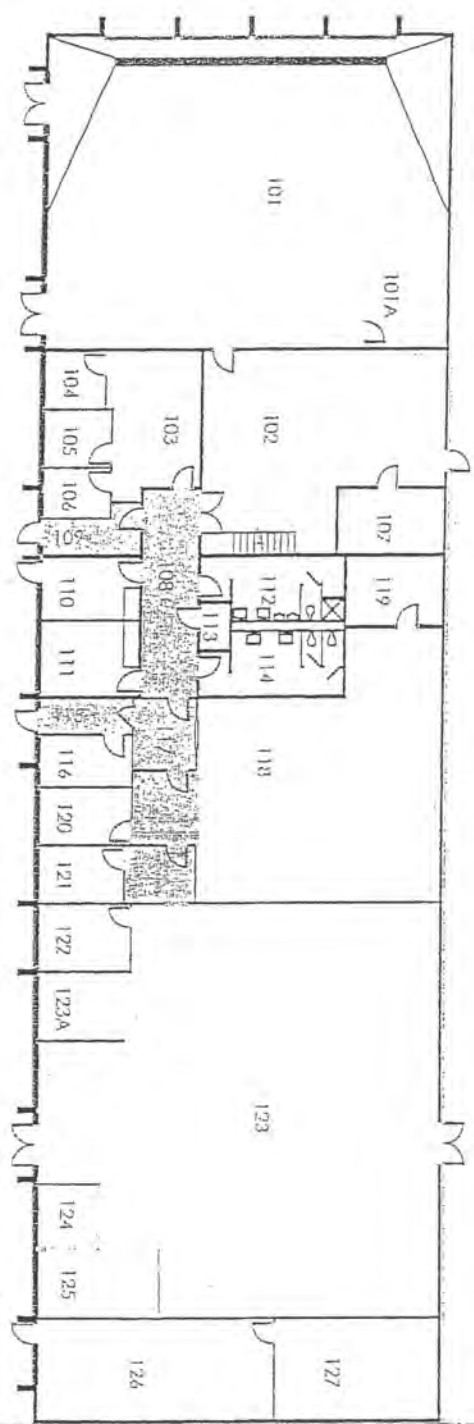
The floor plan shows the 3rd floor of the University of Illinois at Chicago. The layout includes several rooms and corridors. The rooms are labeled with their names and numbers:

- Room 301: Building Systems
- Room 302: Building Systems
- Room 303: Building Systems
- Room 304: Office
- Room 305: Study
- Room 306: Building Systems
- Room 307: Building Systems
- Room 308: Building Systems
- Room 309: Building Systems
- Room 310: Building Systems
- Room 311: Building Systems
- Room 312: Building Systems
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- Room 396: Building Systems
- Room 397: Building Systems
- Room 398: Building Systems
- Room 399: Building Systems
- Room 400: Building Systems

B-1

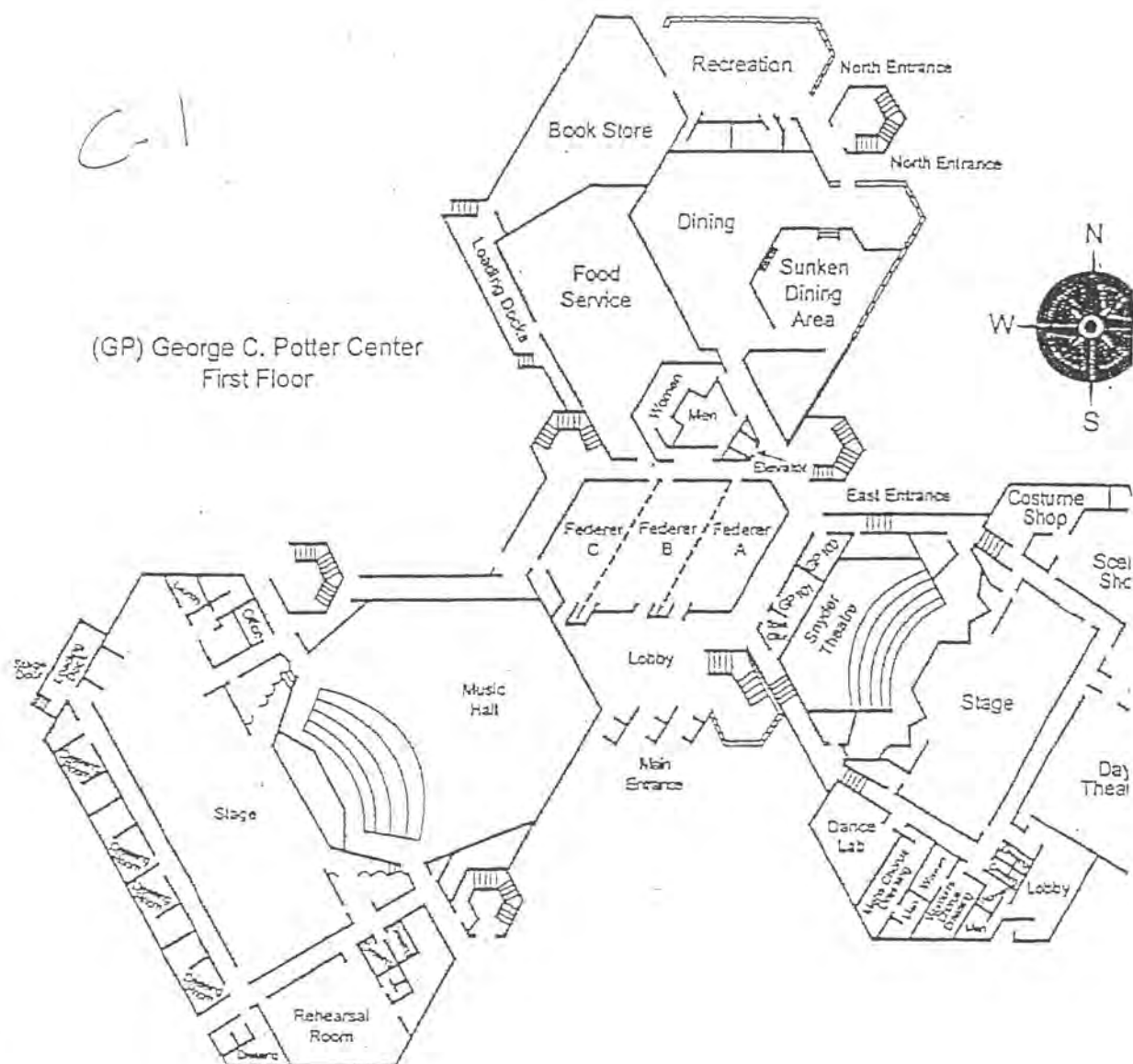


MEZZANINE



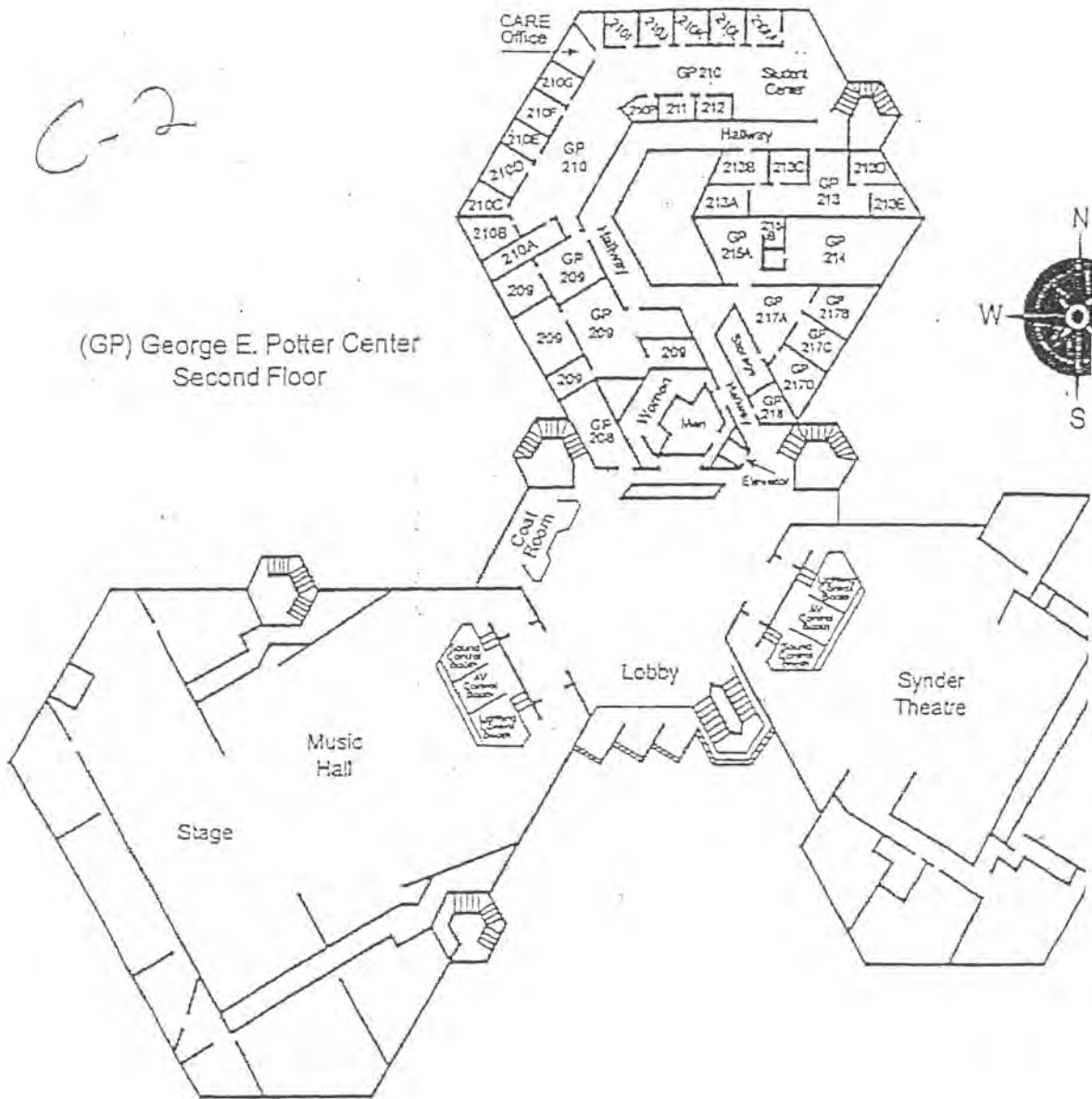
FIRST FLOOR

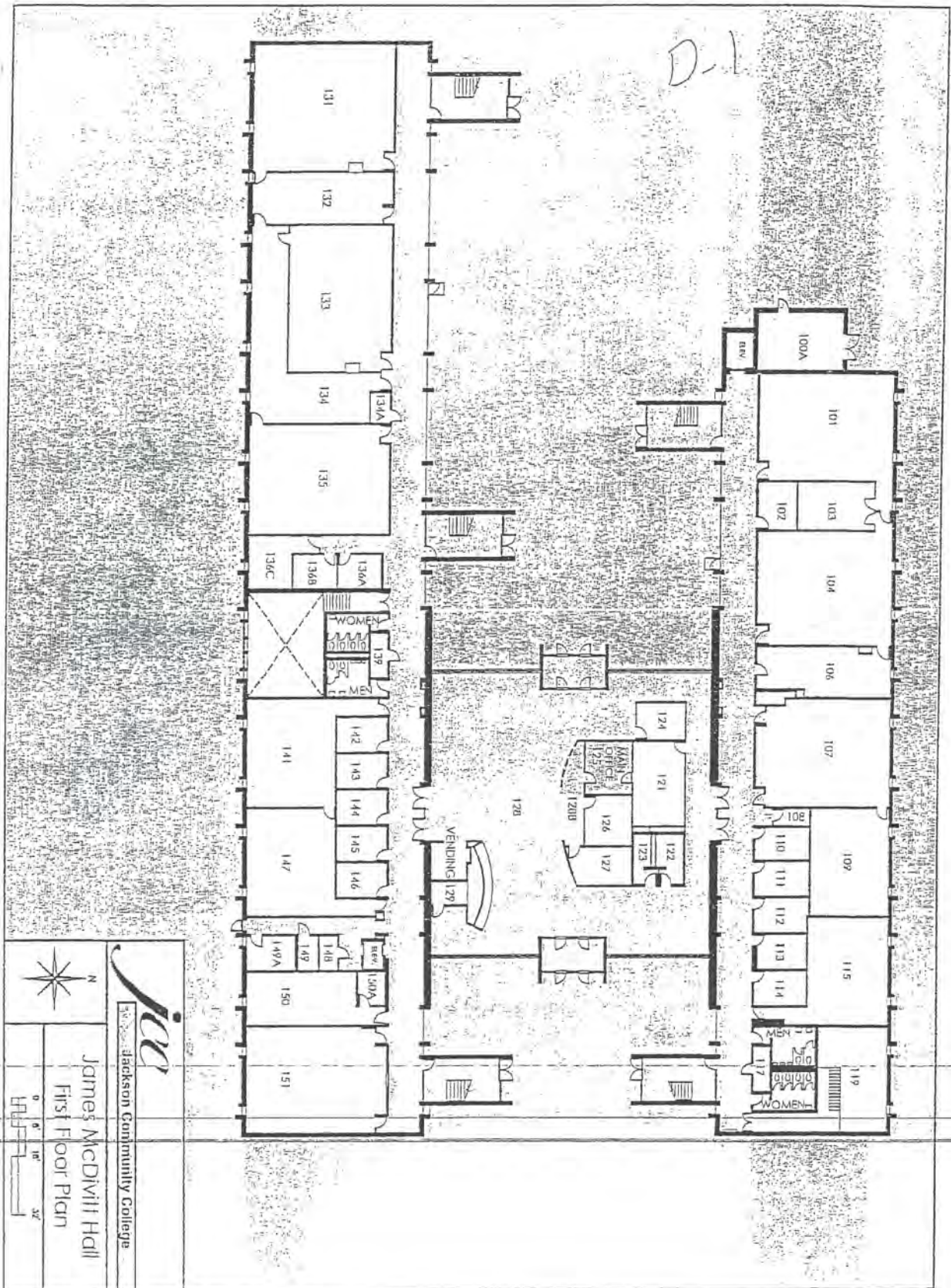
	<p>San Jacinto Community College Campus Services Floor Plans</p>
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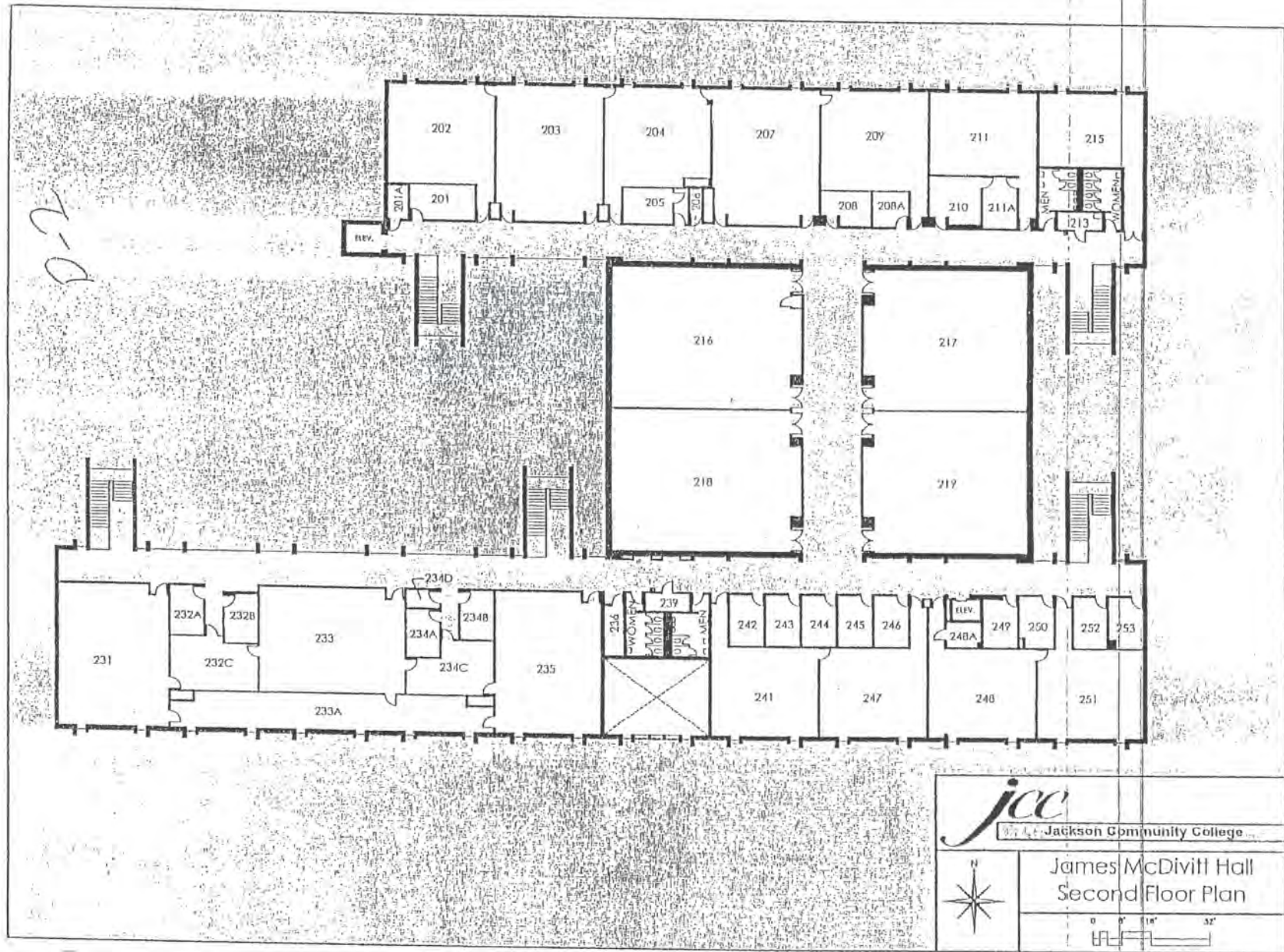


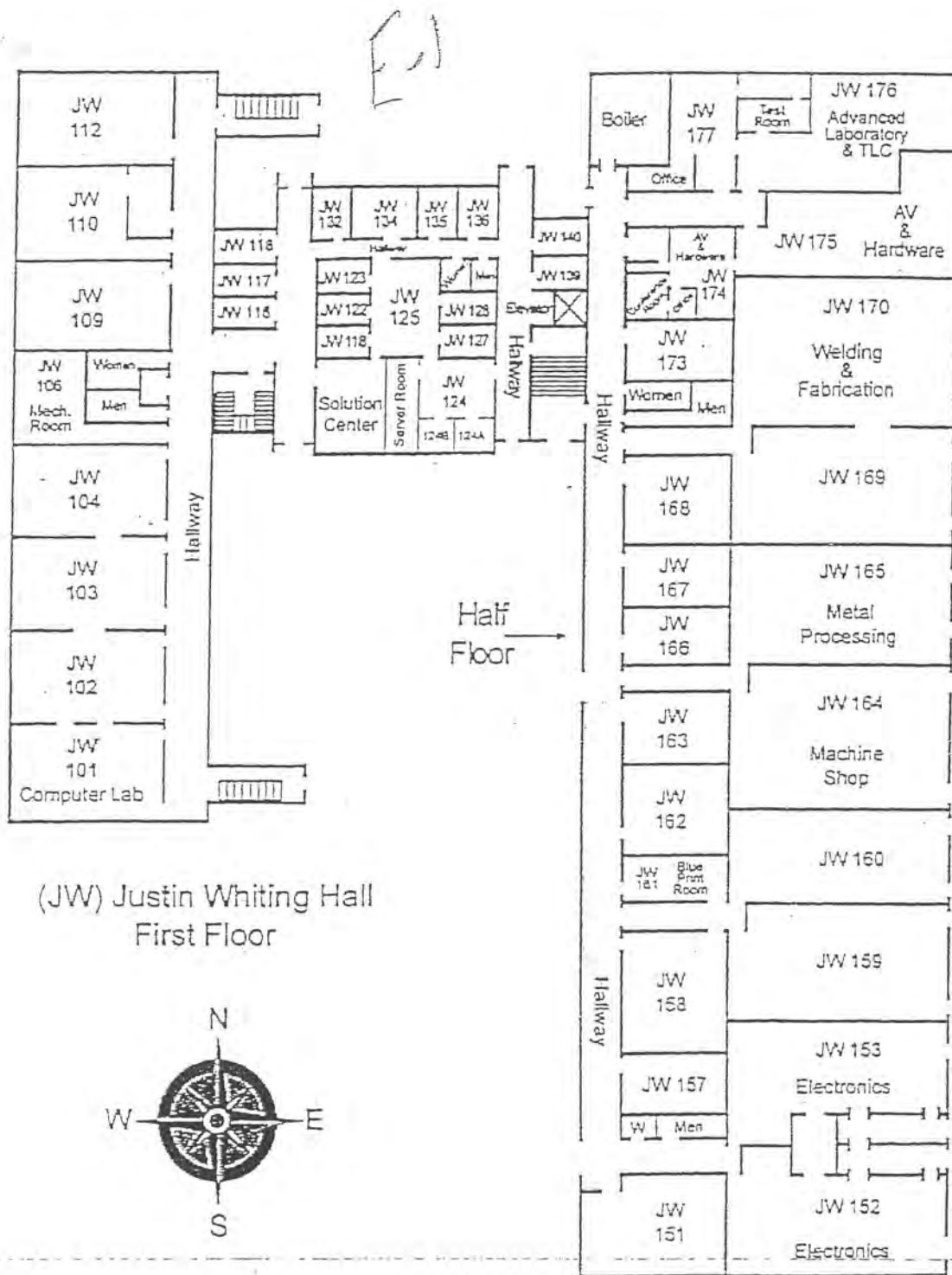
C-2

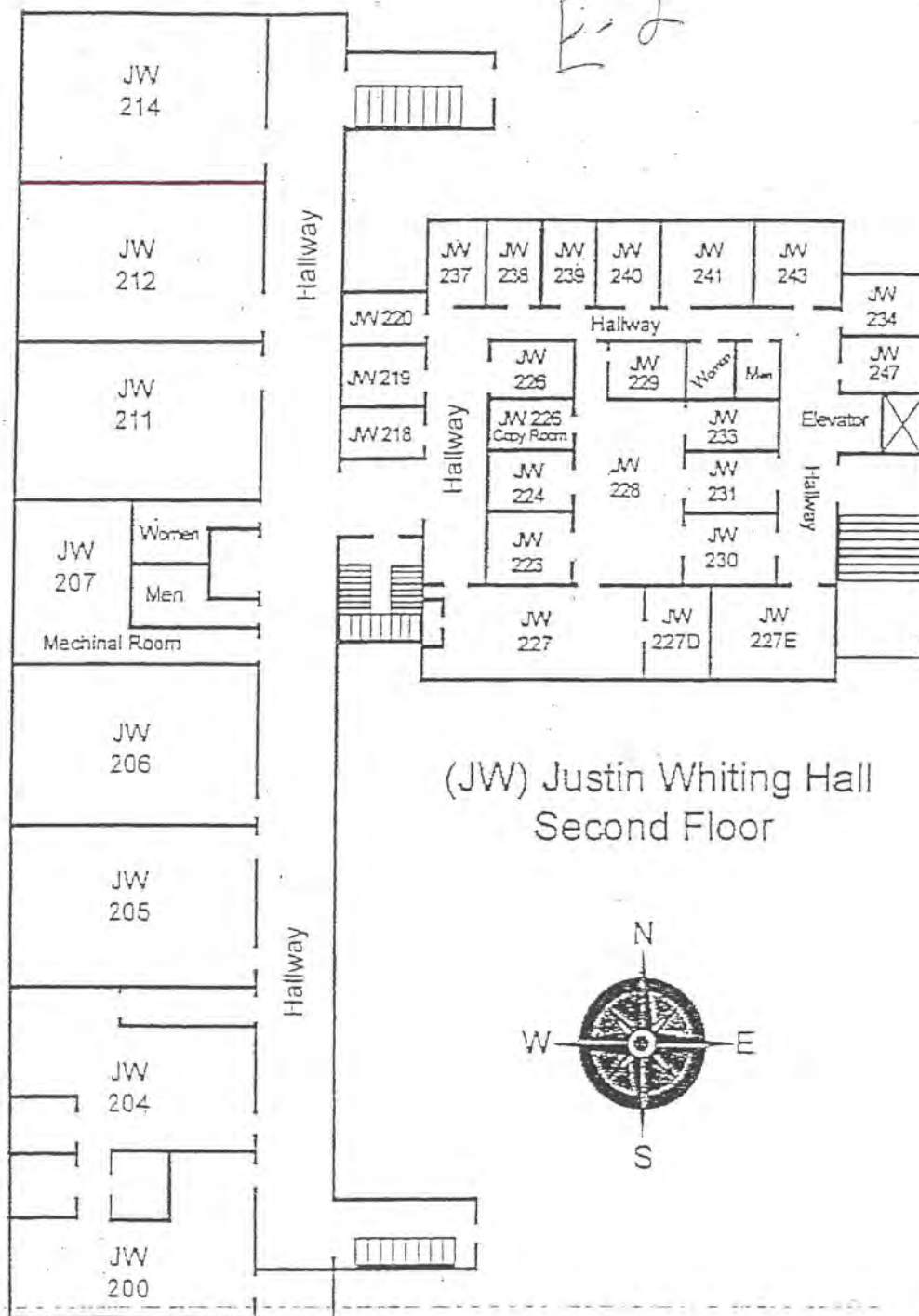
(GP) George E. Potter Center
Second Floor

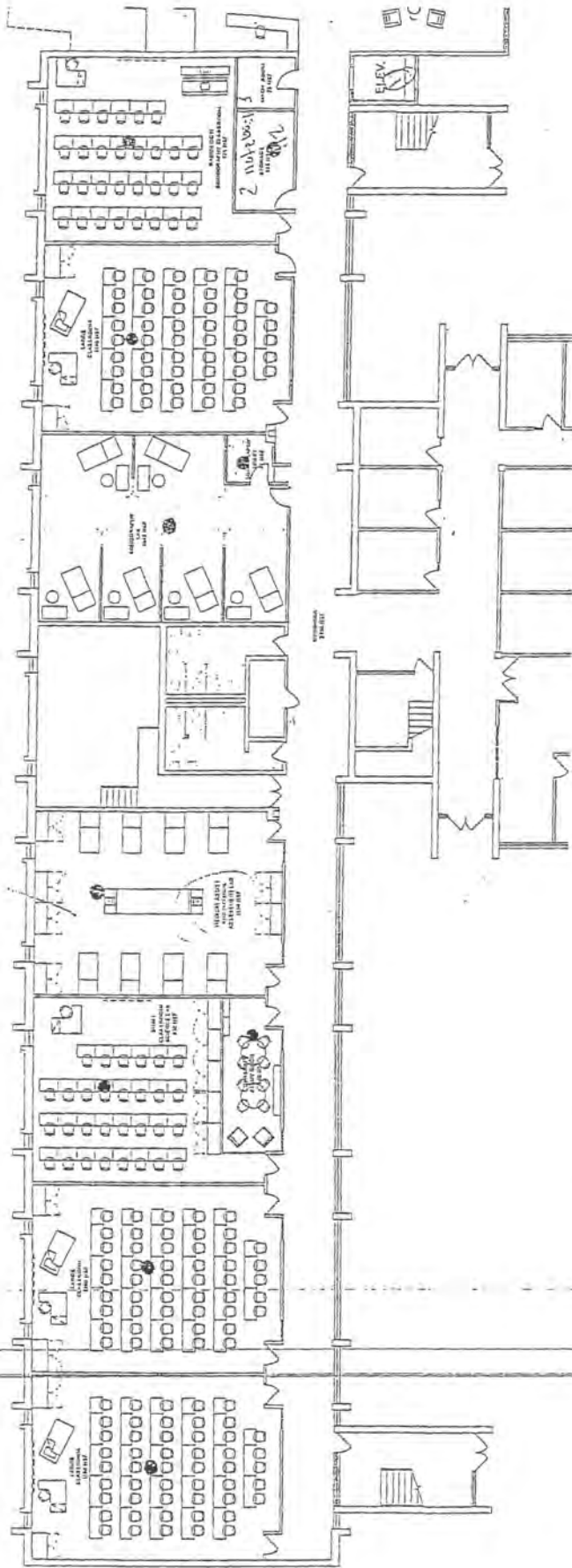








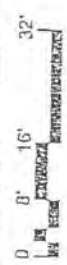
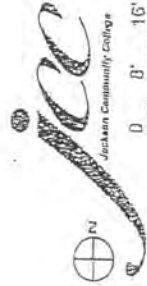
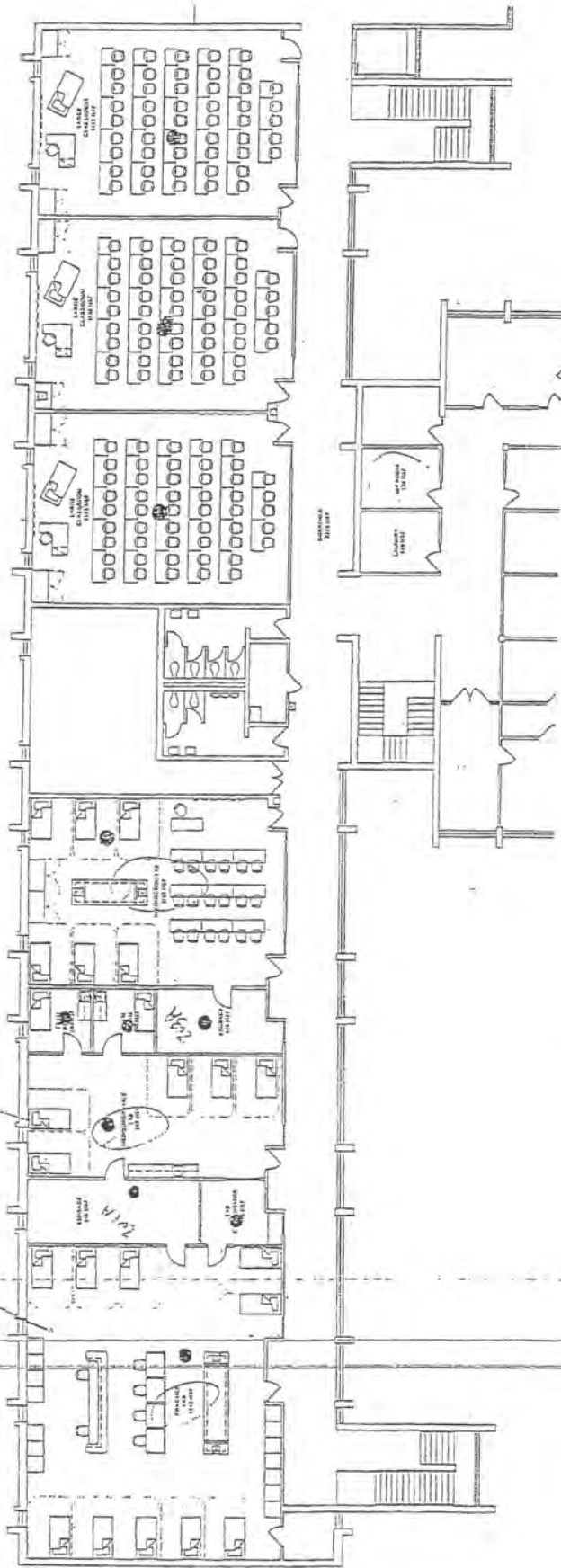




First Floor Proposed Plan

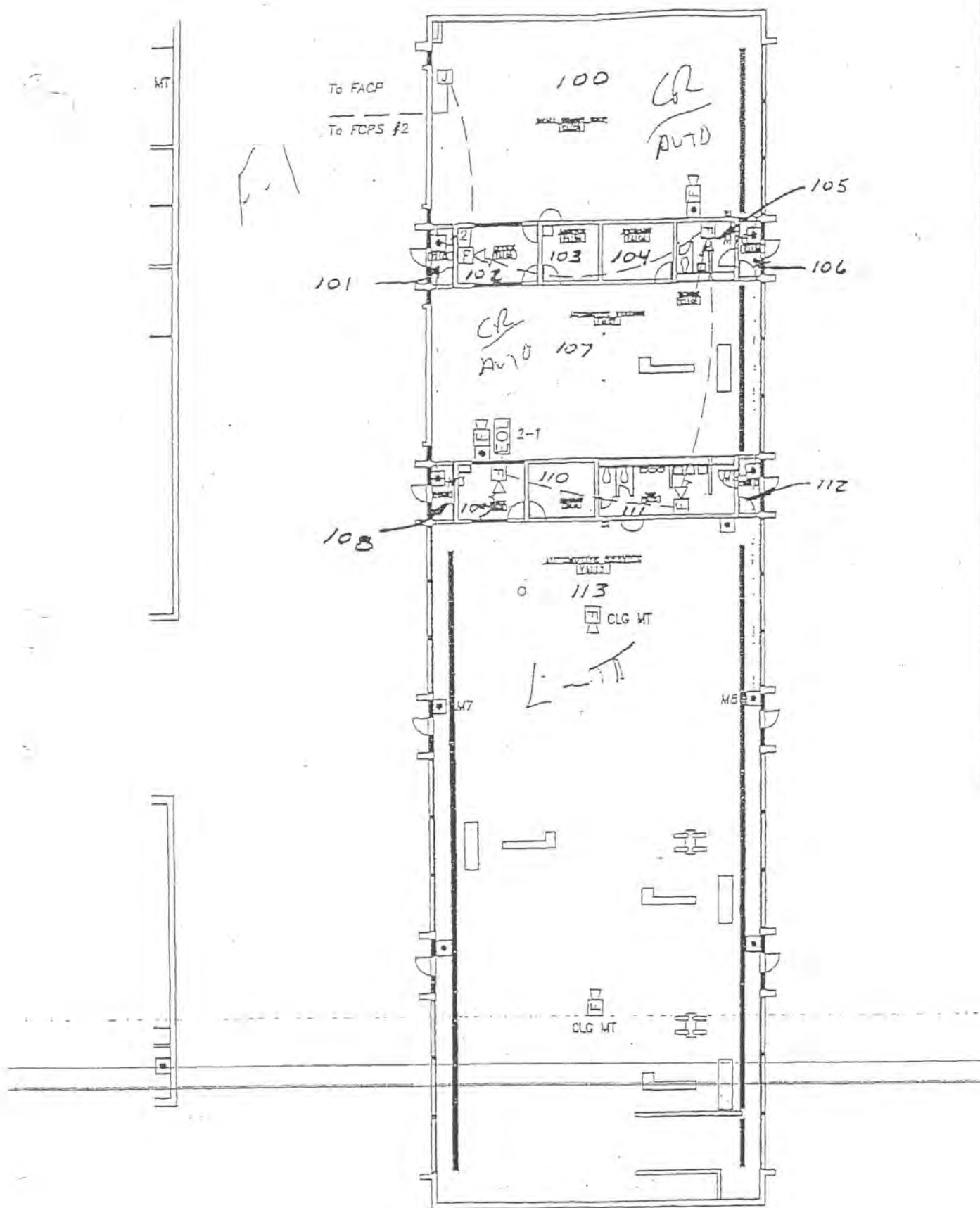
Center for Health Professions Renovation

Project No. 7105.000.02
July 24, 2005

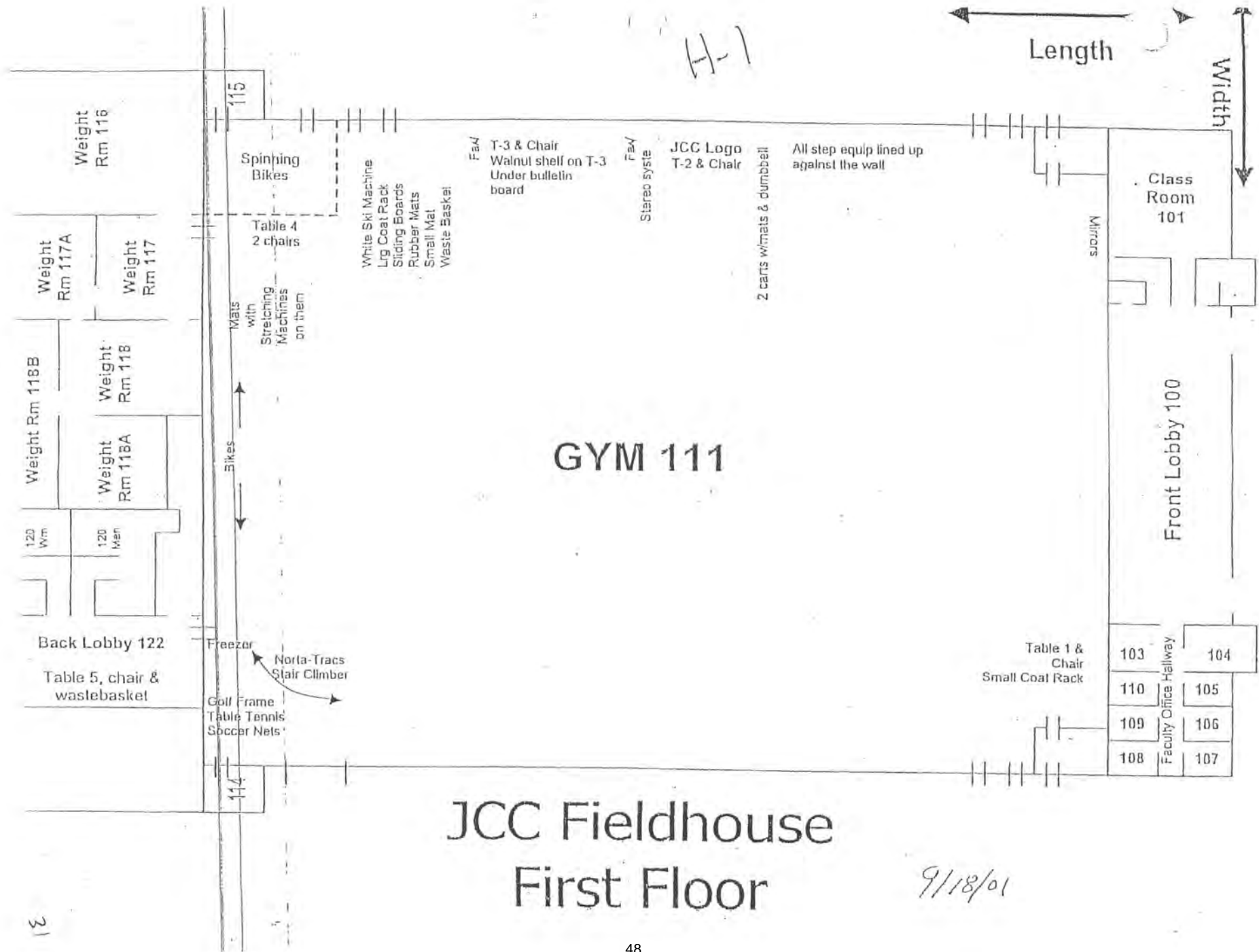


Center for Health Professions Renovation Second Floor Proposed

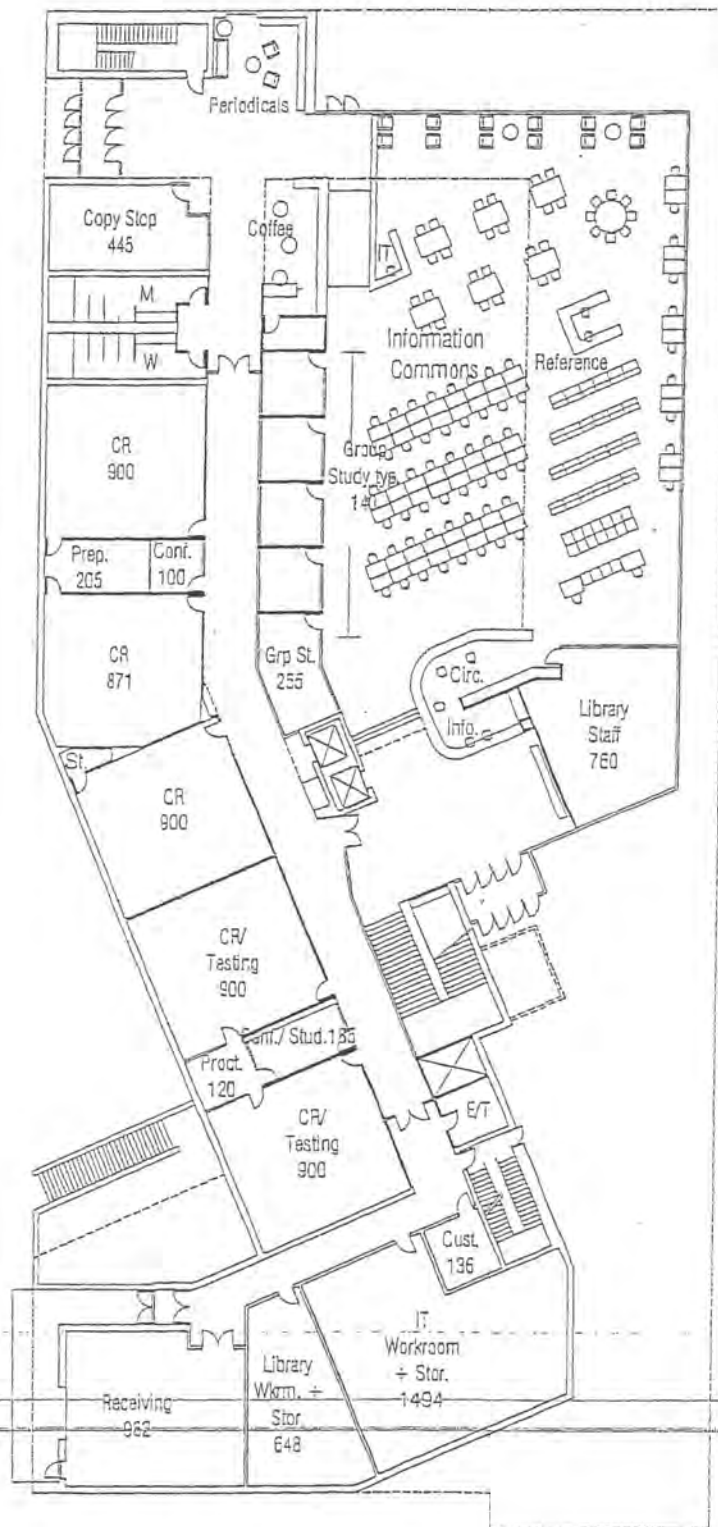
Project No. 7105.008.02
July 24, 2003



Auto Shop

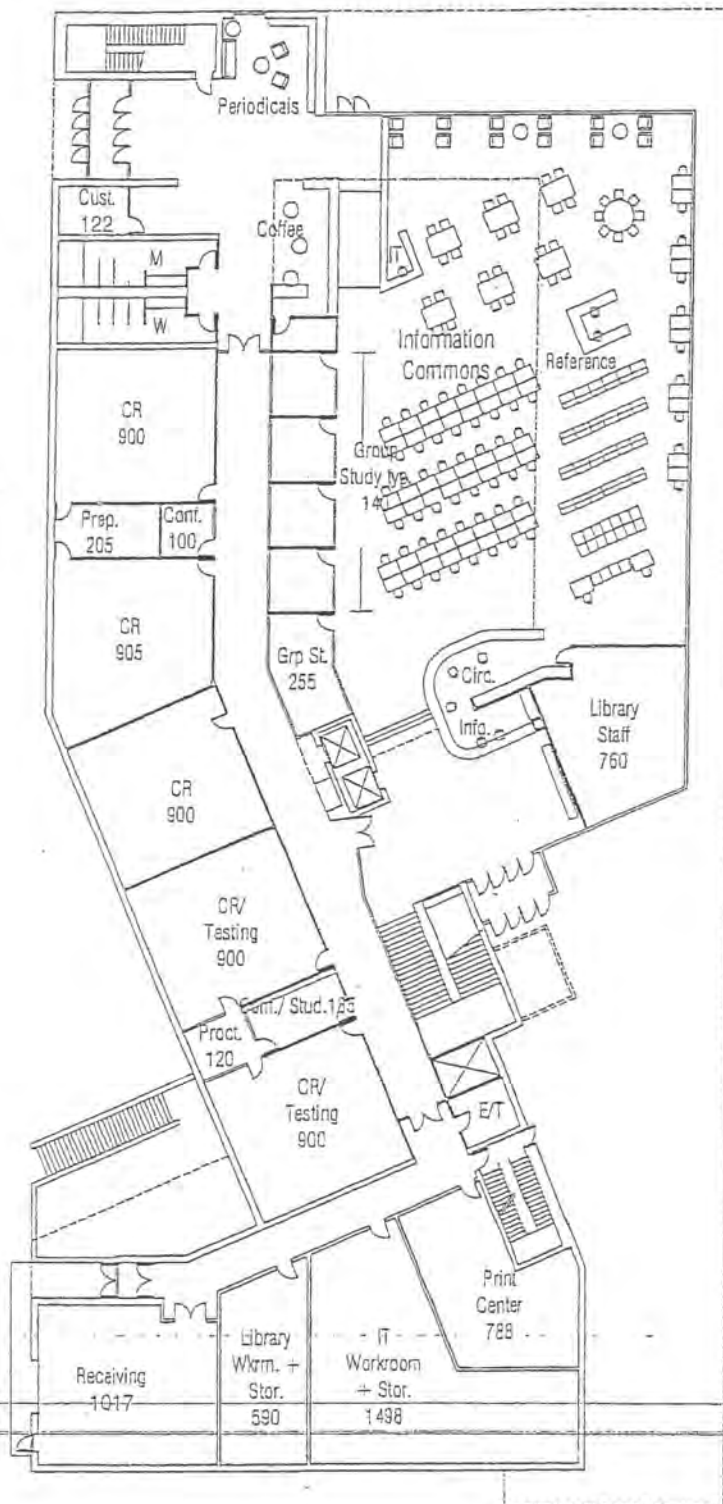


K-1



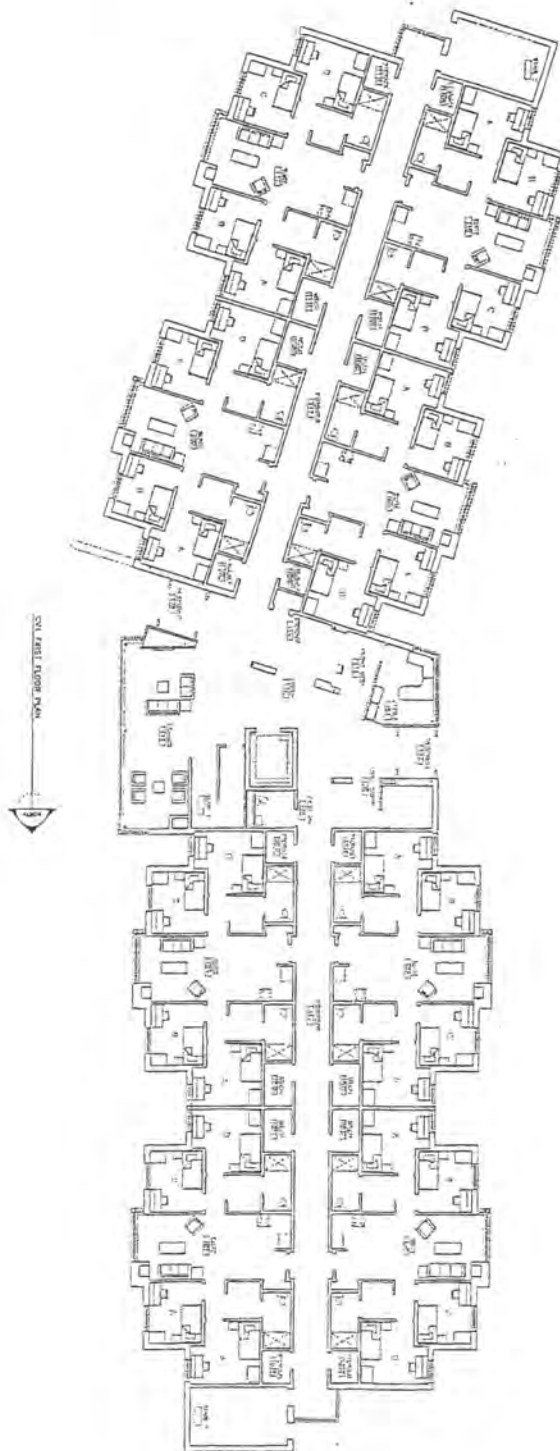
First Floor $\frac{1}{32}'' = 1'-0''$ \odot

K-2



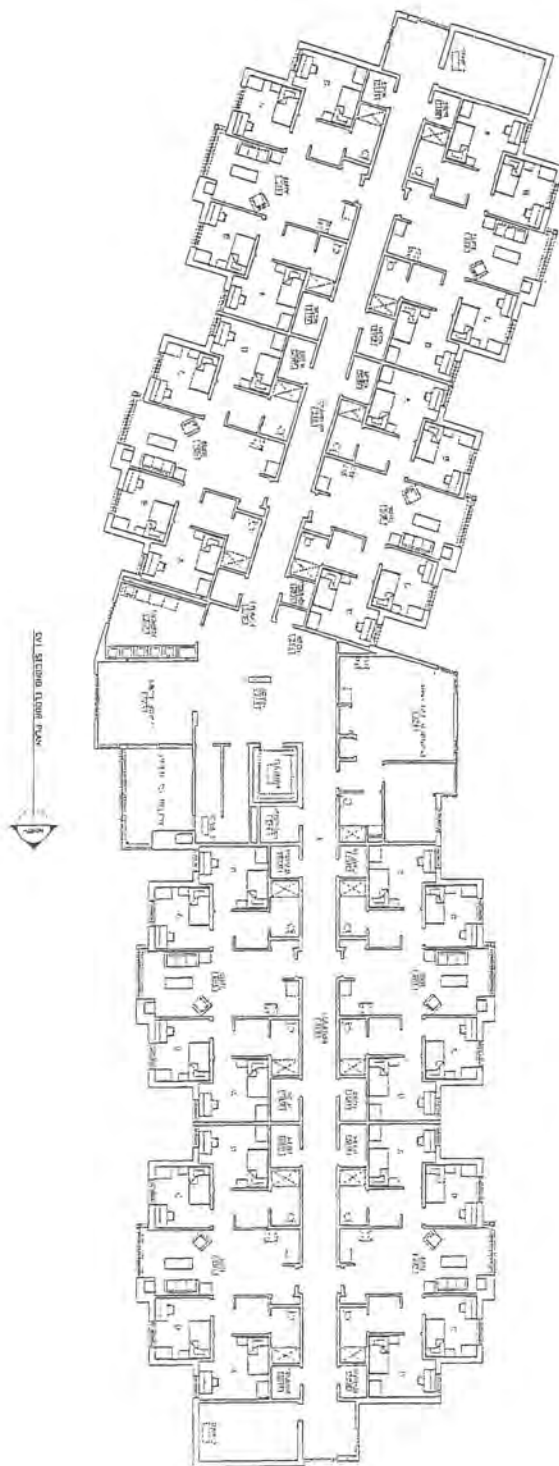
First Floor $\frac{1}{32}'' = 1'-0''$ (21)

L-1



34

L-2



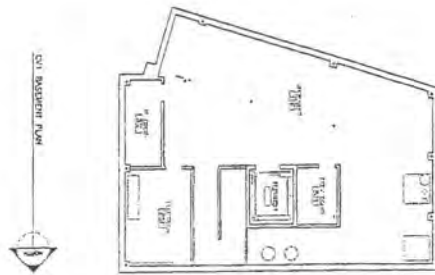
35

L-3



36

L-4



W 1

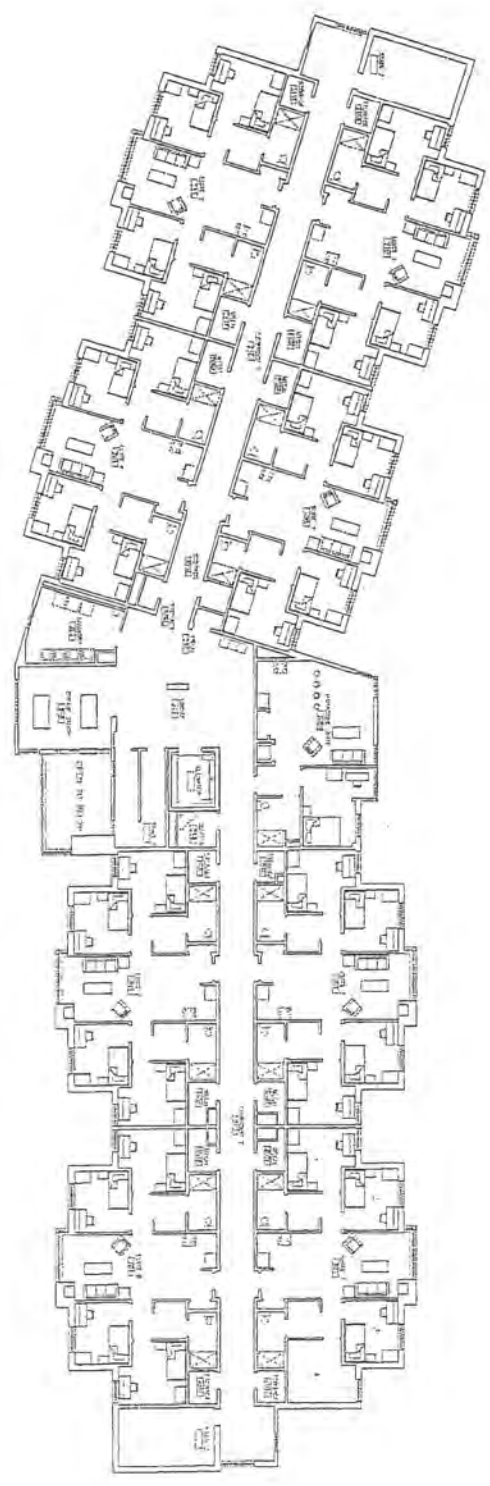


FLOOR PLAN

34

M - 2

WYK 10201 BUDOWA - 2

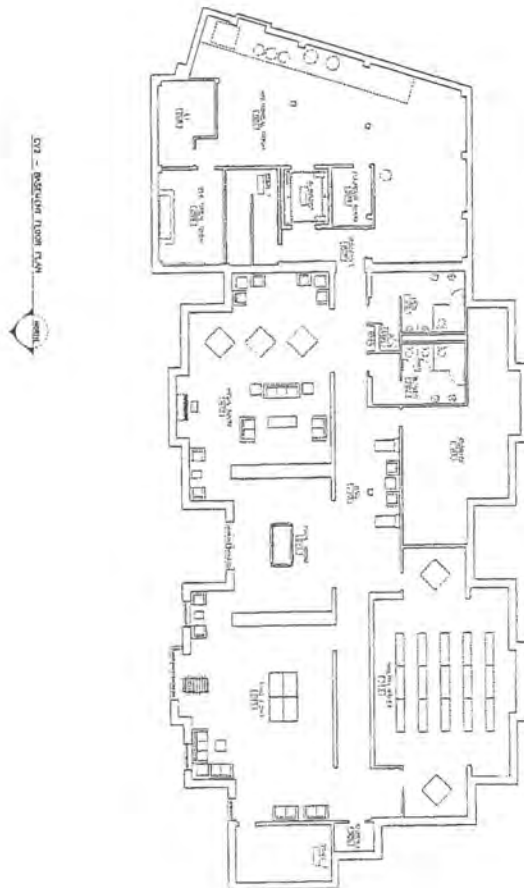


M-3

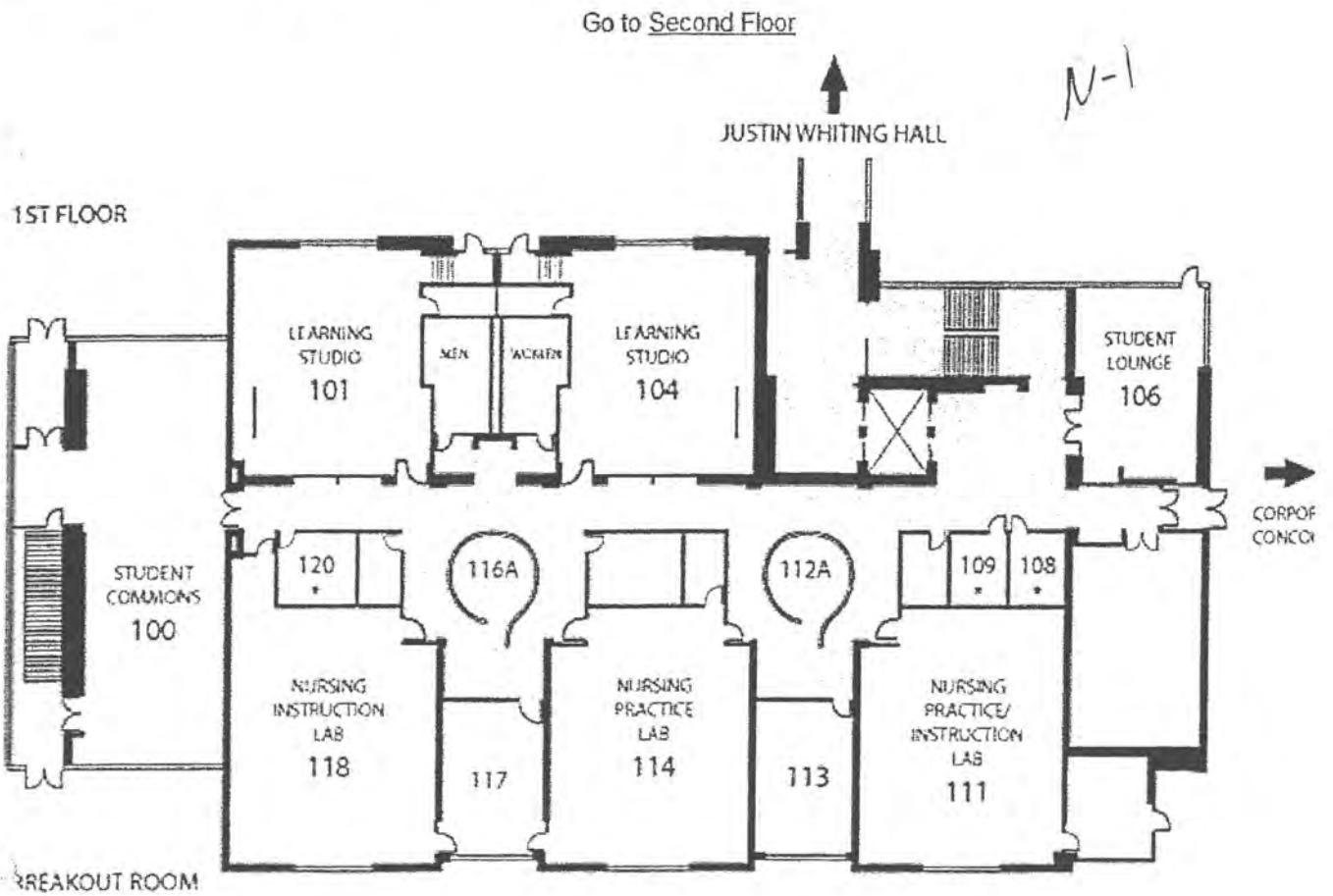


SIZE - 1/8" = 1'-0"

M - 4



Health Laboratory Center

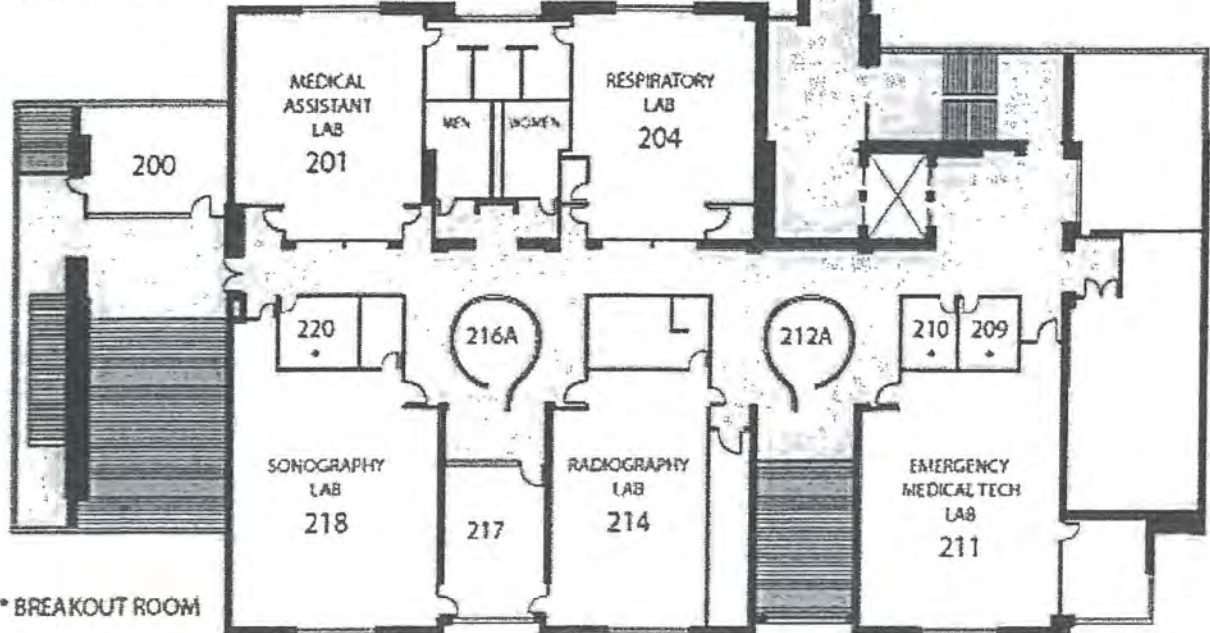


Health Laboratory Center

Go to First Floor

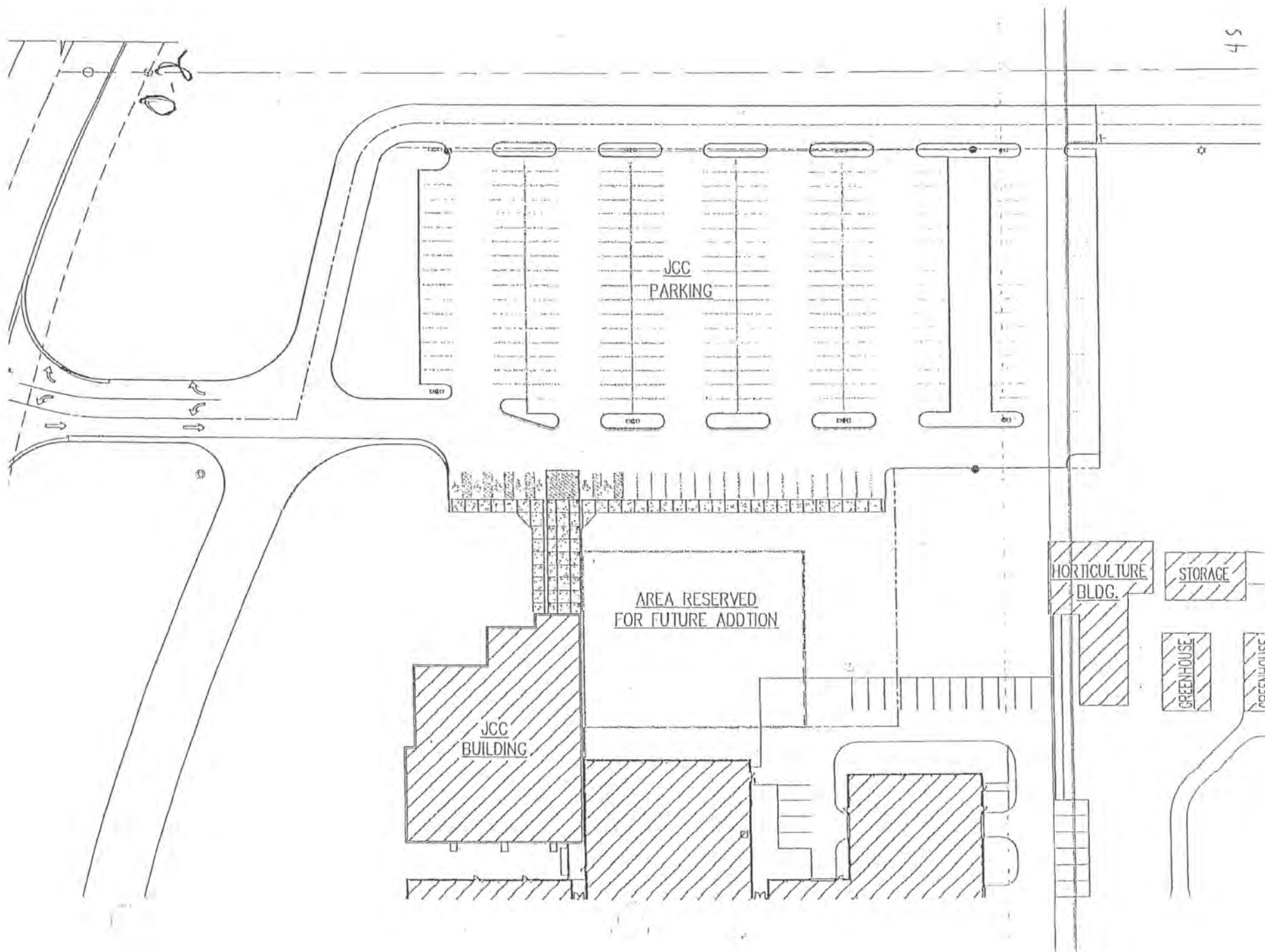
N-2

2ND FLOOR



[illegible]

61



57

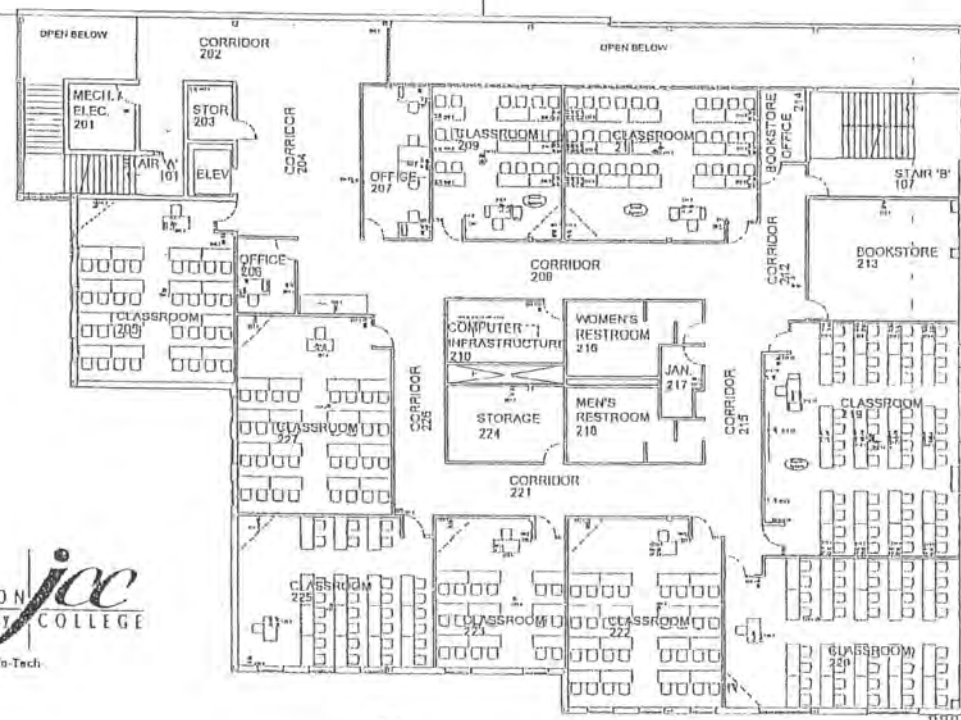


0-4

47

- Color Abbreviations Legend**
- MECH. ELEC. 201
 - STOR 203
 - ELEV
 - OFFICE 206
 - CL. 209
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 - CL. 300

JACKSON *jcc*
Community COLLEGE
@ Lenawee Vo-Tech



Amisade Center Floor Plan

R-1

14

Office 8'X10' H-103	Office Area H-103	Student Lounge H-103
Office 8'X10' H-104		
Entrance H-101		

Conference Room 13'X12'	Vending Machines	Men's Bathroom	Storage
	Bookstore 6'X14'	Women's Bathroom	Storage
Classroom 27'X30' Computer Room 17		Classroom 26'X30'	
Classroom 27'X30'		Classroom 27'X30'	
Classroom 27'X30'		Classroom 27'X30'	
Classroom 27'X30'		Classroom 27'X30'	

Aprox. 145' X 70'

10150

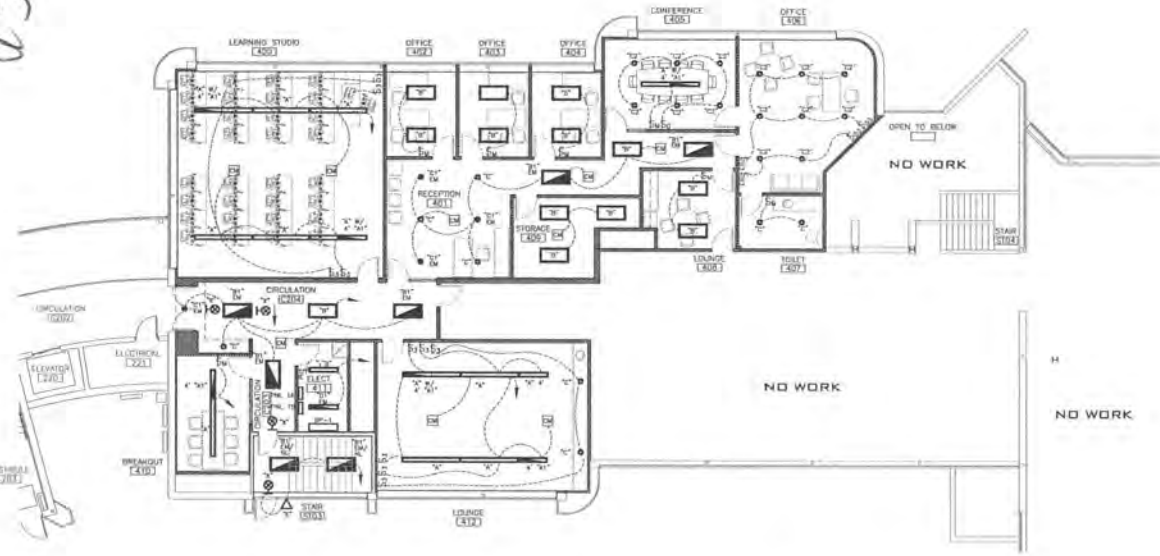
48

T-1



SEE PLAN E-100

U3



LIGHT FIXTURE SCHEDULE

- "1" = COMPLETE A FIVE BATTLE SUPPLEMENTED DIRECT/INDIRECT FLUORESCENT IF LUMENS UNLESS OTHERWISE NOTED
#3-49-274-18-1200-UNO-AL48-T1-64, SEE SELLING SECTION FOR LUMENS
- "2" = SAME AS "1" WITH EMERGENCY BATTERY BACK UP
- "3" = BATTERY BACKUP IN TON 4 4' SEGMENT OF THE "1" LUMENS, SEE DIMMERS FOR LOCATION
- "4" = METALUX CRYSTAL SERIES 4'x4' DIRECT/INDIRECT FLUORESCENT
#200-120767-UNO-E1-025-4.000-FLU-UNO-18
- "5" = SAME AS "1" WITH EMERGENCY BATTERY BACK UP
- "6" = 100W COMPACT FLUORESCENT "T" ARCHITECTURAL DOWNLIGHT #125-14-54-P007
FOR USE IN A DOWNLIGHT AND 100W-54W DOWNLIGHT APPLICATION, SEE REFLECTED CEILING PLANS FOR LOCATIONS
- "7" = SAME AS "6" WITH EMERGENCY BATTERY BACK UP
- "8" = SAME AS "6" WITH DIMMABLE BALLAST
- "9" = METALUX 8' STRIP FLUORESCENT #20-02-2224-UNO-025, PLUS HOME FROM STRUCTURE
- "10" = SAME AS "9" WITH EMERGENCY BATTERY BACK UP
- "11" = SAME LIGHTS BATHROOM (FOR USE WITH TYPE "5")
- "12" = GFI - SAME LIGHTS (ONLY POWERED TO OPERATE TYPE "1" FIXTURES) WITH (AMPS)

UPPER LEVEL LIGHTING PLAN

1/8" = 1'-0"
NOTE: SEE SHEET AA FOR LIGHT FIXTURE LOCATIONS PER REFLECTED CEILING PLAN



SITE LIGHTS

ASHRAE 90.1 MOTION ACTIVATED SENSOR SCHEDULE

- 1** CEILING MOUNTED OCCUPANCY SENSOR EQUAL TO LUMENS, PROVIDE SENSORS AS SHOWN ON DRAWING OR AS REQUIRED FROM LUMEN SENSOR PACKAGE TO INCLUDE AT A MINIMUM:
 - 0200-1000 SENSOR
 - 0200-1000 POWER PACK
 - 0200-1000 ADD A RELAY IF NECESSARY
- 2** WALL MOUNTED OCCUPANCY SENSOR EQUAL TO LUMENS, PROVIDE SENSORS AS SHOWN ON DRAWING OR AS REQUIRED:
 - 0200-1000 SENSOR
 - 0200-1000 POWER PACK
 - 0200-1000 ADD A RELAY IF NECESSARY

3 MOTION ACTIVATED SWITCH EQUAL TO LUMENS 02010-01

ADDITIONAL OCCUPANCY SENSOR INSTALLATION NOTES:

1. SEE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION OF SENSOR CONTROLS AND WIRE CONNECTIONS OF WIRELESS SENSORS WITH ONE OR MORE POWER PACKS AND ADD-A-RELAY.
2. SENSORS TO BE A MINIMUM OF 4' A.I.F. FOR OPTIMUM OPERATION.
3. CIRCUITS CONTAINING FIXTURES WITH EMERGENCY BALLASTS TO HAVE UNINTERRUPTED LOCAL CIRCUIT EXTENDED TO FIXTURES.
4. ELECTRONIC CONTRACTOR IS RESPONSIBLE FOR INITIAL SET UP AND CALIBRATION OF SENSORS.
5. PROVIDE SENSORS WITH LOCAL SWITCHING TO HAVE IMPEDANCE ON LINE SET BY AUTOMATIC CONTROLS.

COVALLE GROUP
ARCHITECTS
1000 N. 10TH AVE., SUITE 100
DENVER, CO 80202
303.733.1100

JACKSON COLLEGE
MAHER CAMPUS
CENTRAL CORE RENOVATION

DATE	REVISION	BY
11-11-14	REVISED FOR NO AND 1	JLC

FILE NUMBER	DATE

UPPER LEVEL LIGHTING PLAN

E4

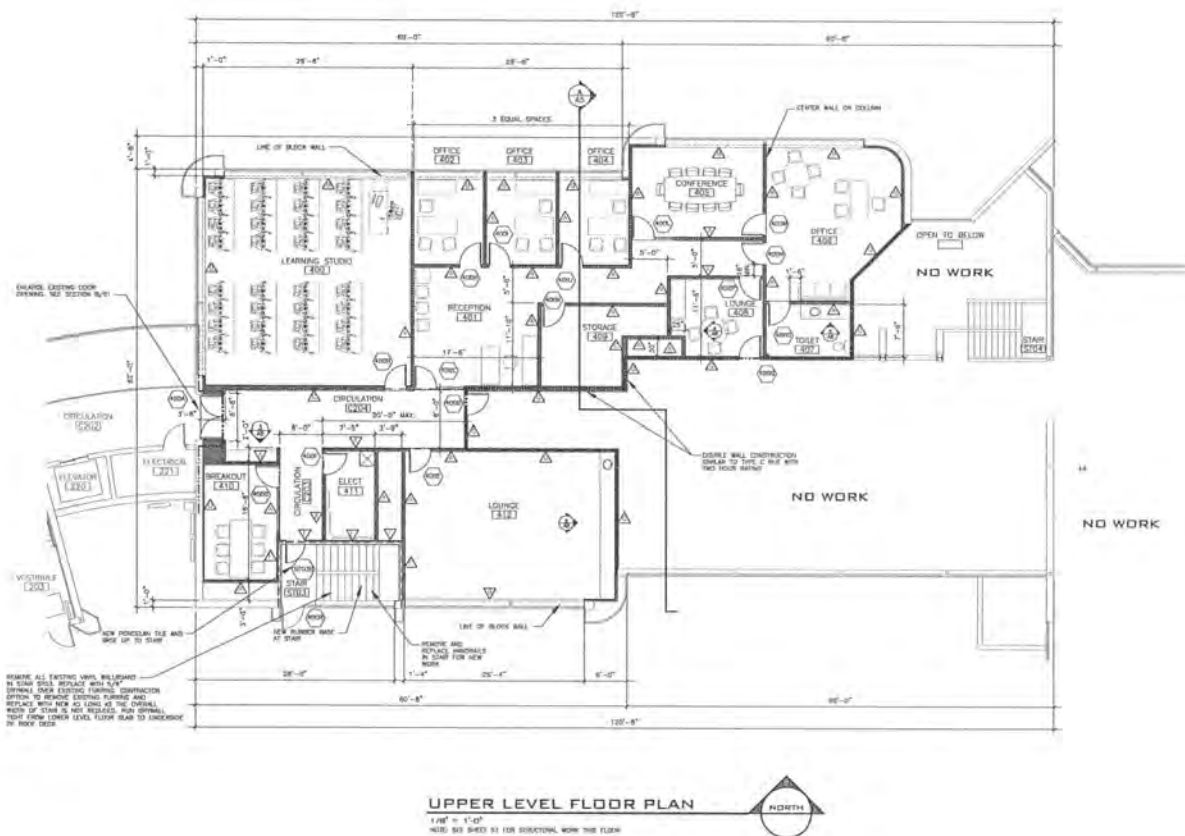
ALL WORK SHALL BE IN ACCORDANCE WITH THE 2012 IBC, 2012 IRC, 2012 NEC, 2012 ASHRAE 90.1, 2012 ASHRAE 155, 2012 ASHRAE 189.2, 2012 ASHRAE 209.2, 2012 ASHRAE 220.2, 2012 ASHRAE 240.2, 2012 ASHRAE 250.2, 2012 ASHRAE 260.2, 2012 ASHRAE 270.2, 2012 ASHRAE 280.2, 2012 ASHRAE 290.2, 2012 ASHRAE 300.2, 2012 ASHRAE 310.2, 2012 ASHRAE 320.2, 2012 ASHRAE 330.2, 2012 ASHRAE 340.2, 2012 ASHRAE 350.2, 2012 ASHRAE 360.2, 2012 ASHRAE 370.2, 2012 ASHRAE 380.2, 2012 ASHRAE 390.2, 2012 ASHRAE 400.2, 2012 ASHRAE 410.2, 2012 ASHRAE 420.2, 2012 ASHRAE 430.2, 2012 ASHRAE 440.2, 2012 ASHRAE 450.2, 2012 ASHRAE 460.2, 2012 ASHRAE 470.2, 2012 ASHRAE 480.2, 2012 ASHRAE 490.2, 2012 ASHRAE 500.2, 2012 ASHRAE 510.2, 2012 ASHRAE 520.2, 2012 ASHRAE 530.2, 2012 ASHRAE 540.2, 2012 ASHRAE 550.2, 2012 ASHRAE 560.2, 2012 ASHRAE 570.2, 2012 ASHRAE 580.2, 2012 ASHRAE 590.2, 2012 ASHRAE 600.2, 2012 ASHRAE 610.2, 2012 ASHRAE 620.2, 2012 ASHRAE 630.2, 2012 ASHRAE 640.2, 2012 ASHRAE 650.2, 2012 ASHRAE 660.2, 2012 ASHRAE 670.2, 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DATE	REMARKS	AMOUNT
8-18-19	PAID FOR (80) PAID 1	10

DATE RECEIVED	NOV 27 1998
BY	LIBRARY
FROM	LIBRARY

UPPER LEVEL FLOOR PLAN

SPET JAGER
A2



TYPICAL HEIGHTS

TOP OF SLAB TO BOTTOM OF FLOOR JOIST = 11'-0" AT BEAM, 11'-1" AT WALLS.
TOP OF SLAB TO UNDERGOOF OF STEEL BEAM = 11'-0"

WALL LEGEND

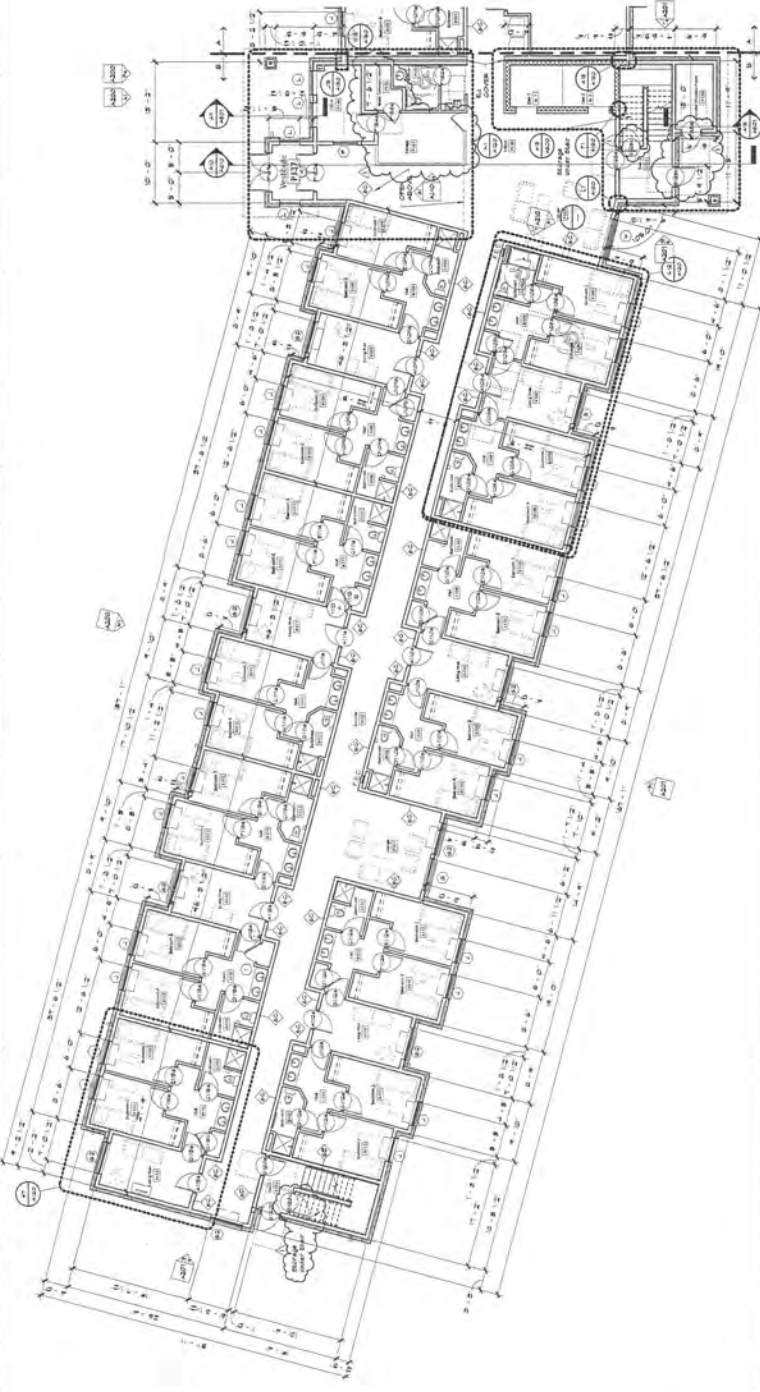
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|---|--------------------------|
| EXISTING 2 HOUR RATED CONSTRUCTION
FACING WALLS ARE MIN. 6" STAGGERS
BLOCK WALLS THAT RUN TO UNDERSIDE
OF EXISTING ROOF DECK | NEW 2 HOUR FIRE BARRIERS |
| EXISTING 1 HOUR FIRE BARRIERS | NEW 1 HOUR FIRE BARRIERS |
| NEW 2 HOUR FIRE BARRIERS | NEW 2 HOUR FIRE BARRIERS |
| NEW STAGGER BARRIERS | |

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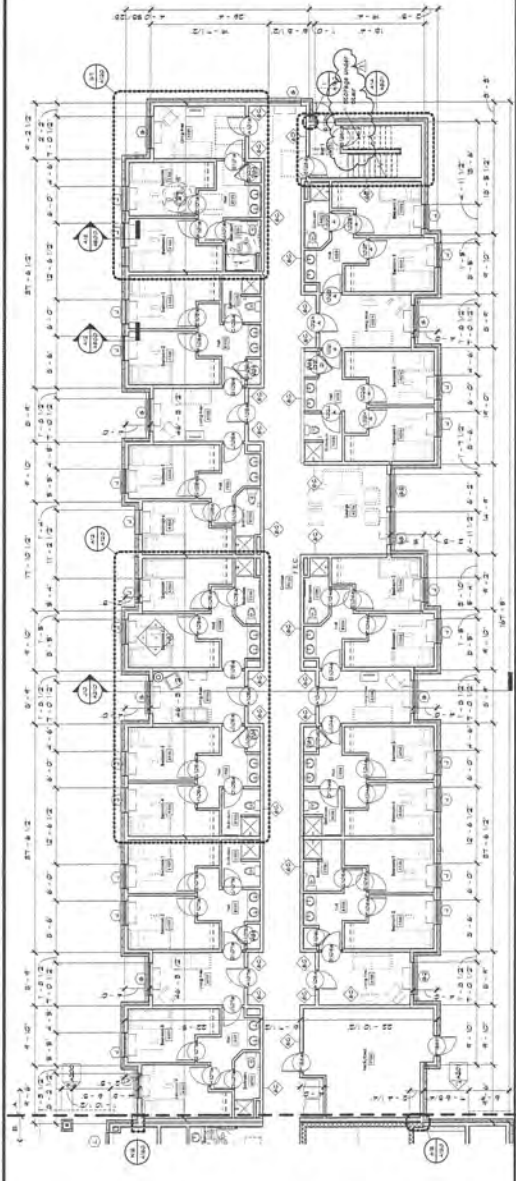
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General Notes:

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H1 Scale 1/8" = 1'-0" Level 1 Floor Plan - Area B



A1 Scale 1/8" = 1'-0" Level 1 Floor Plan - Area A

KEY PLAN



A101

LEVEL 1 - FLOOR PLAN

hollis + miller architects
 1000 14th Ave. N.E.
 Grand Rapids, MI 49503
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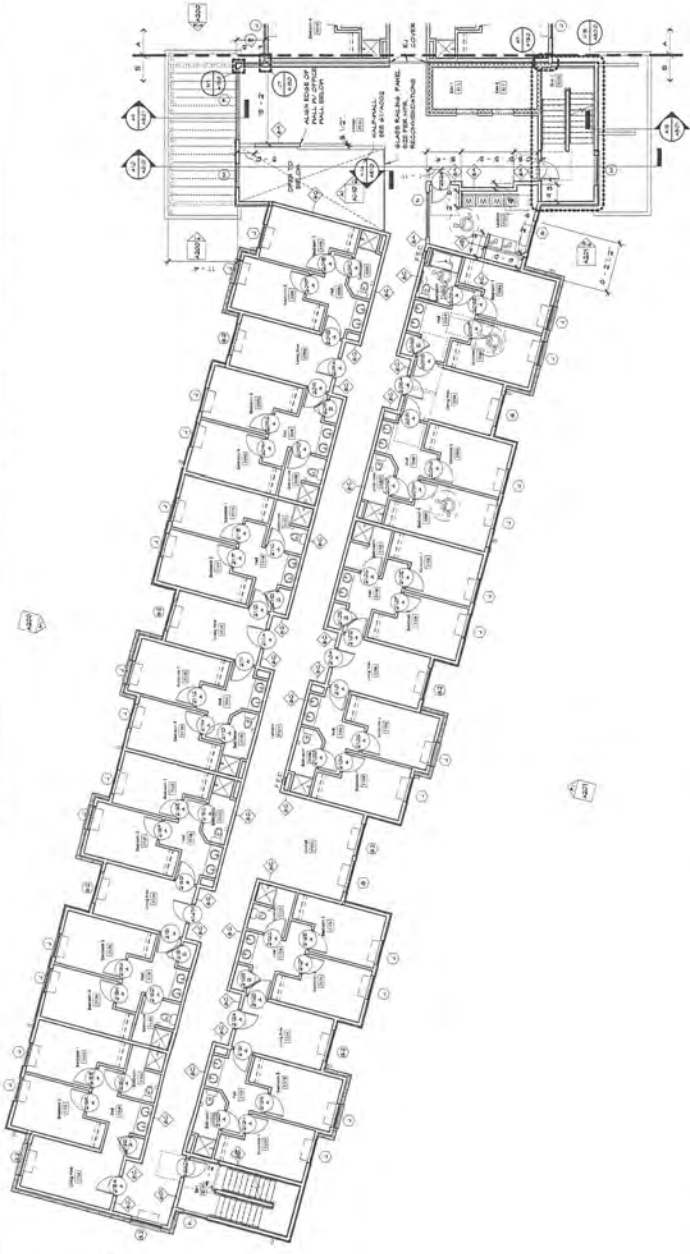
Jackson College - Campus View 3 - New Student Housing
 Student Suites
 2111 Emmans Road, Jackson, Michigan 49201
 Addendum #1 Set



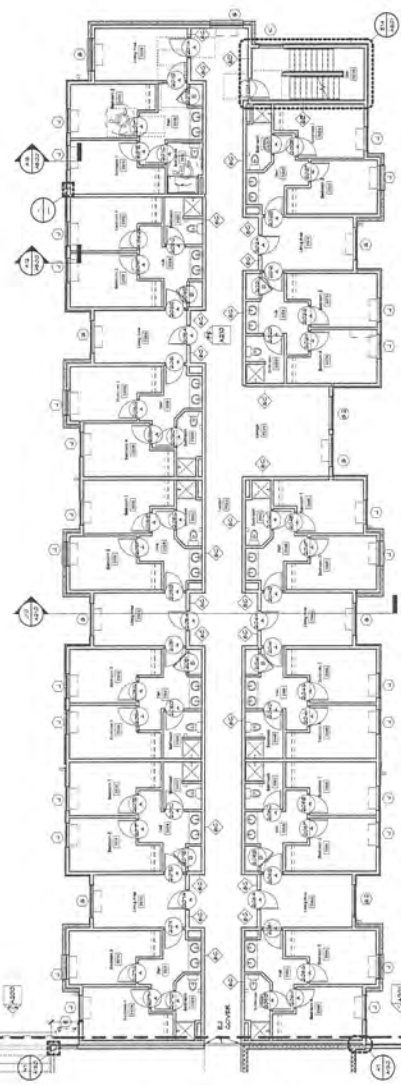
General Notes:

1. ALL DIMENSIONS ARE FROM THE FACE OF STUDENT SUITES.
2. SEE CODE PLAN FOR ALL PREPARED WALLS.
3. SEE CODE PLAN FOR ALL PREPARED FLOORS.
4. SEE CODE PLAN FOR ALL PREPARED CEILING.
5. SEE CODE PLAN FOR ALL PREPARED ROOF.
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9. SEE CODE PLAN FOR ALL PREPARED PLUMBING.
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11. SEE CODE PLAN FOR ALL PREPARED INTERIORS.
12. SEE CODE PLAN FOR ALL PREPARED EXTERIORS.
13. SEE CODE PLAN FOR ALL PREPARED LANDSCAPE.
14. SEE CODE PLAN FOR ALL PREPARED UTILITIES.
15. SEE CODE PLAN FOR ALL PREPARED SPECIALTIES.
16. SEE CODE PLAN FOR ALL PREPARED ACCESSORIES.
17. SEE CODE PLAN FOR ALL PREPARED FINISHES.
18. SEE CODE PLAN FOR ALL PREPARED EQUIPMENT.
19. SEE CODE PLAN FOR ALL PREPARED FURNITURE.
20. SEE CODE PLAN FOR ALL PREPARED FIXTURES.
21. SEE CODE PLAN FOR ALL PREPARED APPLIANCES.
22. SEE CODE PLAN FOR ALL PREPARED MACHINERY.
23. SEE CODE PLAN FOR ALL PREPARED VEHICLES.
24. SEE CODE PLAN FOR ALL PREPARED TRAILERS.
25. SEE CODE PLAN FOR ALL PREPARED BOATS.
26. SEE CODE PLAN FOR ALL PREPARED AIRCRAFT.
27. SEE CODE PLAN FOR ALL PREPARED RAILROADS.
28. SEE CODE PLAN FOR ALL PREPARED TROLLEYS.
29. SEE CODE PLAN FOR ALL PREPARED CARS.
30. SEE CODE PLAN FOR ALL PREPARED TRUCKS.
31. SEE CODE PLAN FOR ALL PREPARED BUSES.
32. SEE CODE PLAN FOR ALL PREPARED TRAMCARS.
33. SEE CODE PLAN FOR ALL PREPARED MONORAILS.
34. SEE CODE PLAN FOR ALL PREPARED CABLE CARS.
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50. SEE CODE PLAN FOR ALL PREPARED CABLE CARS.

v2



H1 Scale: 1/8" = 1'-0" Level 2 Floor Plan - Area B



A1 Scale: 1/8" = 1'-0" Level 2 Floor Plan - Area A

KEY PLAN



A102

LEVEL 2 - FLOOR PLAN

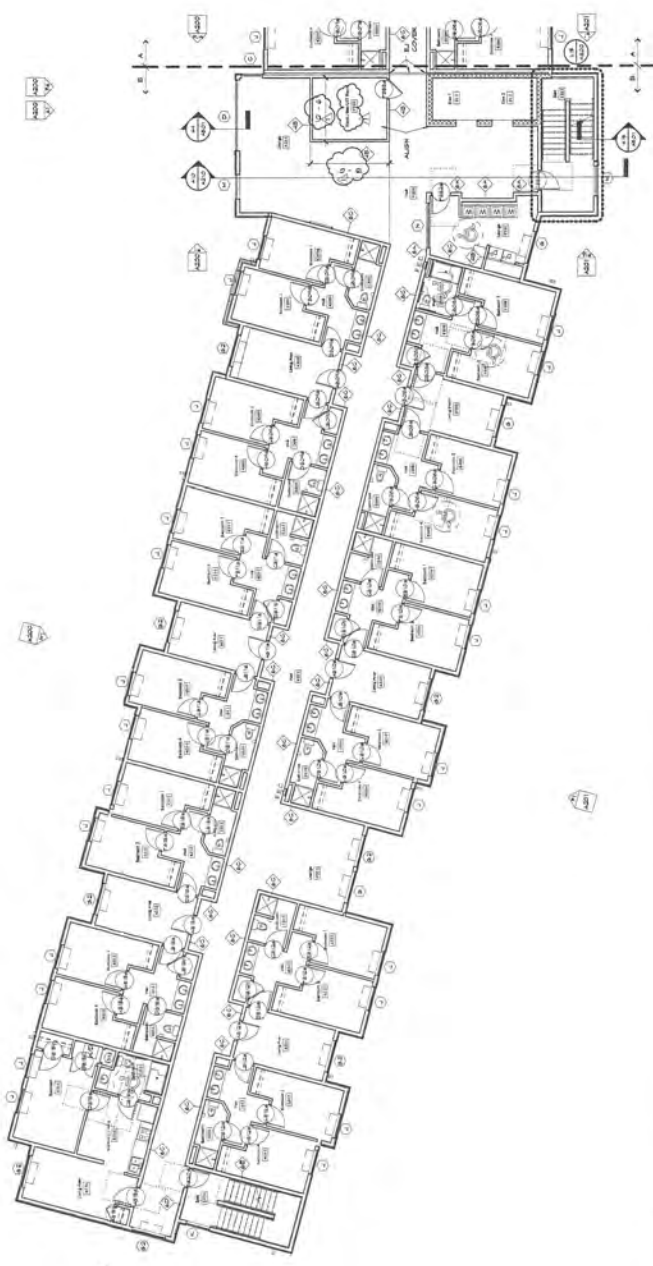
17



1000 N. 1st Street
 Jackson, MS 39201
 601.432.1111
 www.hollis+miller.com

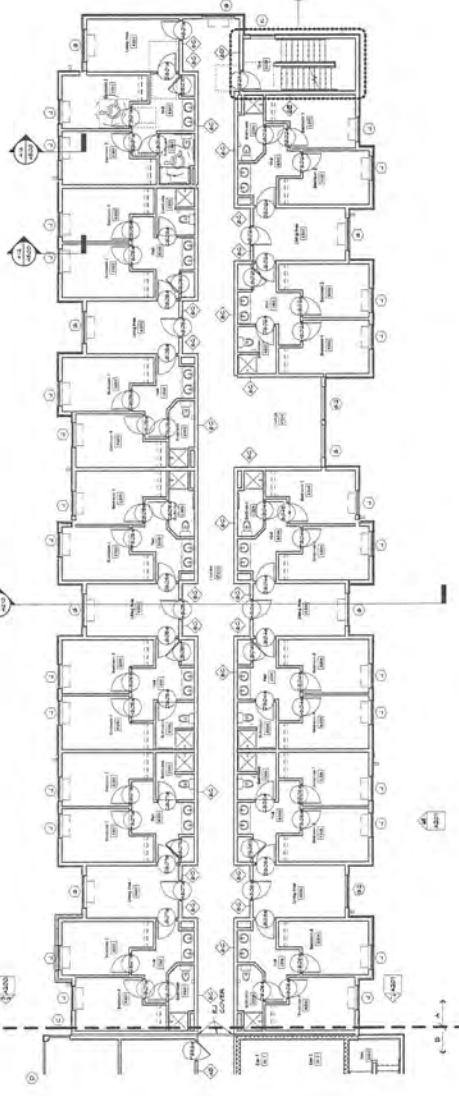
General Notes:

1. ALL DIMENSIONS ARE FROM THE FACE OF STUD.
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H1 Scale 1/8" = 1'-0"

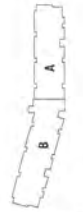
Level 3 Floor Plan - Area B



A1 Scale 1/8" = 1'-0"

Level 3 Floor Plan - Area A

KEY PLAN



A103

LEVEL 3 - FLOOR PLAN



DATE: 11/11/11

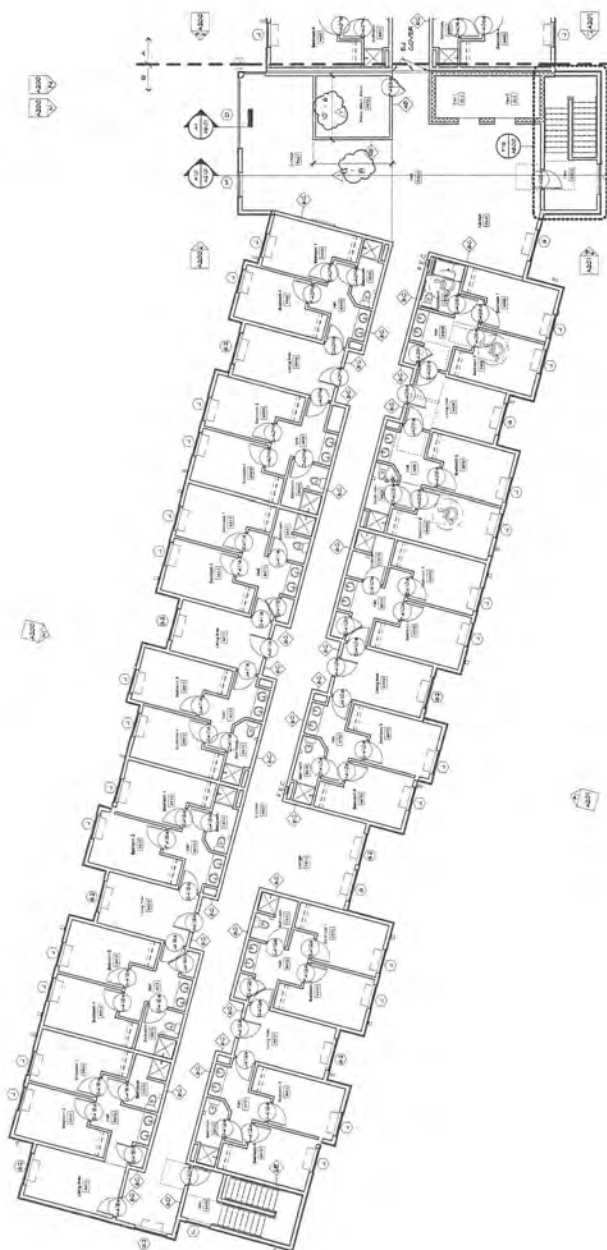
DESIGNED BY: [Signature]

CHECKED BY: [Signature]

SCALE: 1/8" = 1'-0"

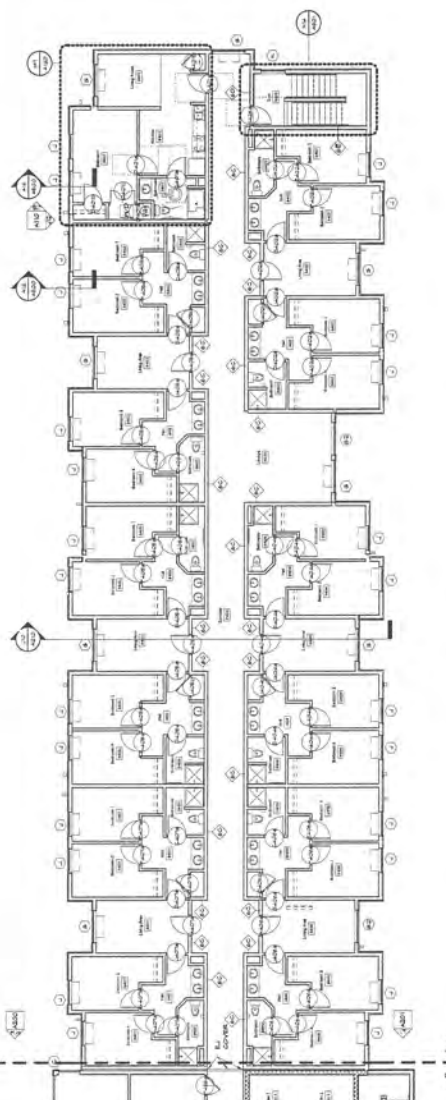
[illegible]

KEY PLAN



Level 4 Floor Plan - Area B

H1	Scale
	100 = 100%



Level 4 Floor Plan - Area A

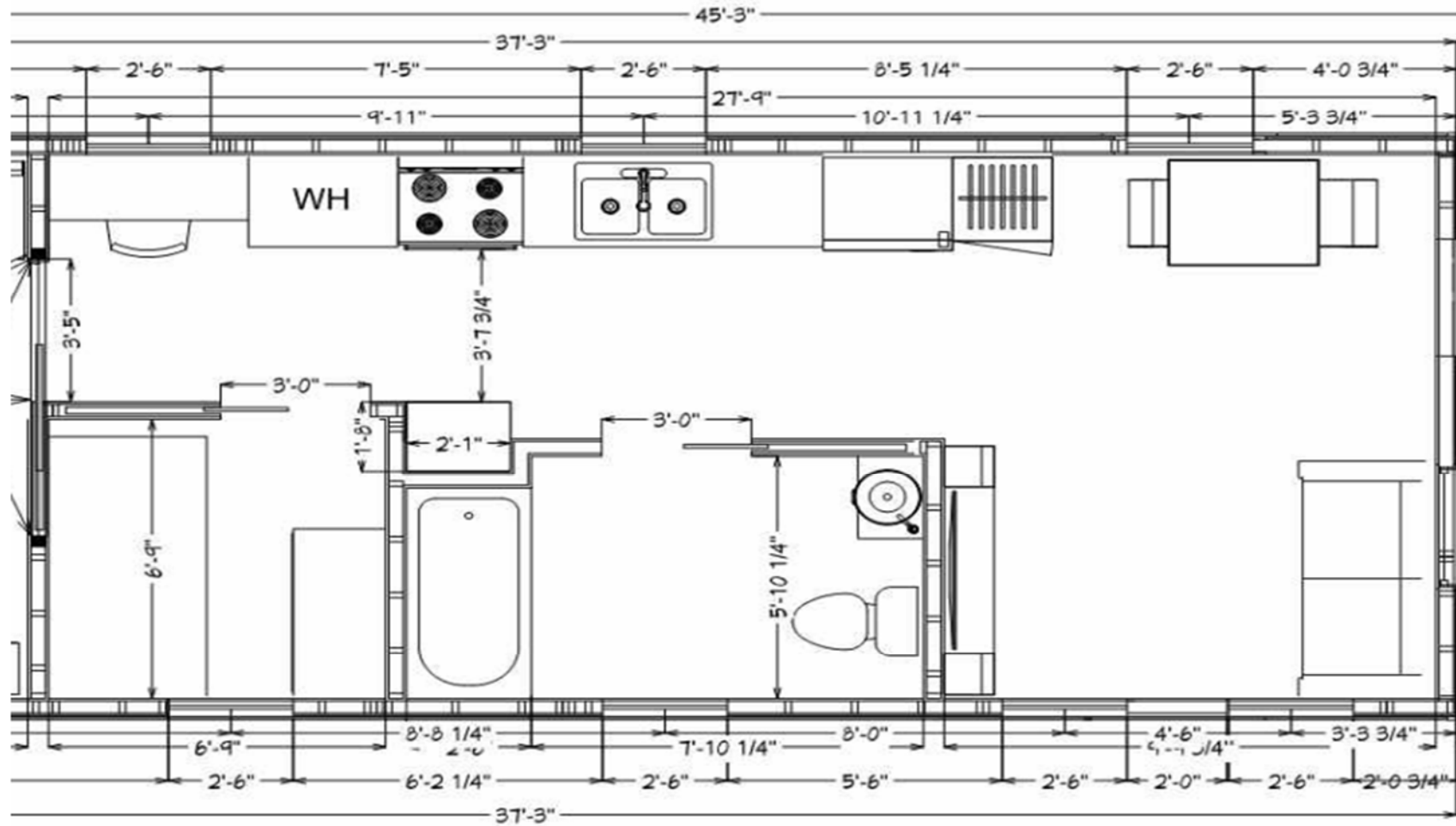
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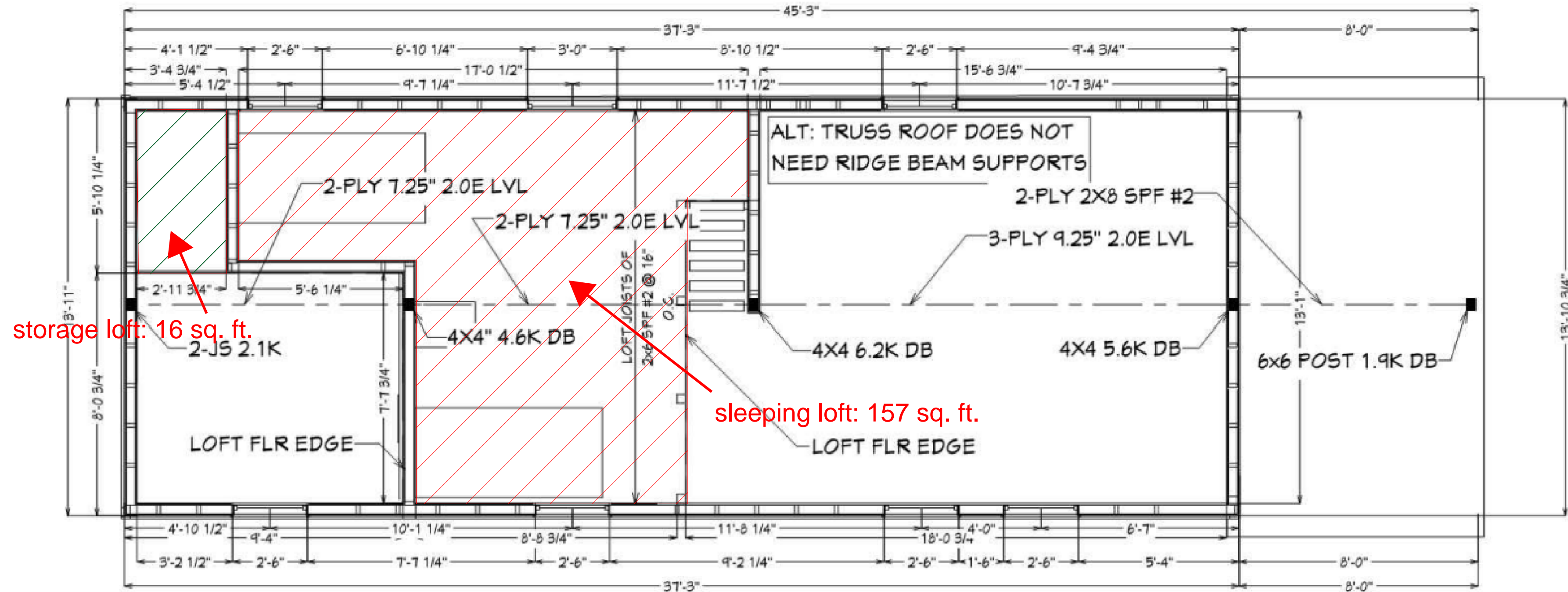
W

Non-Lofted Homes / ADA Compliant

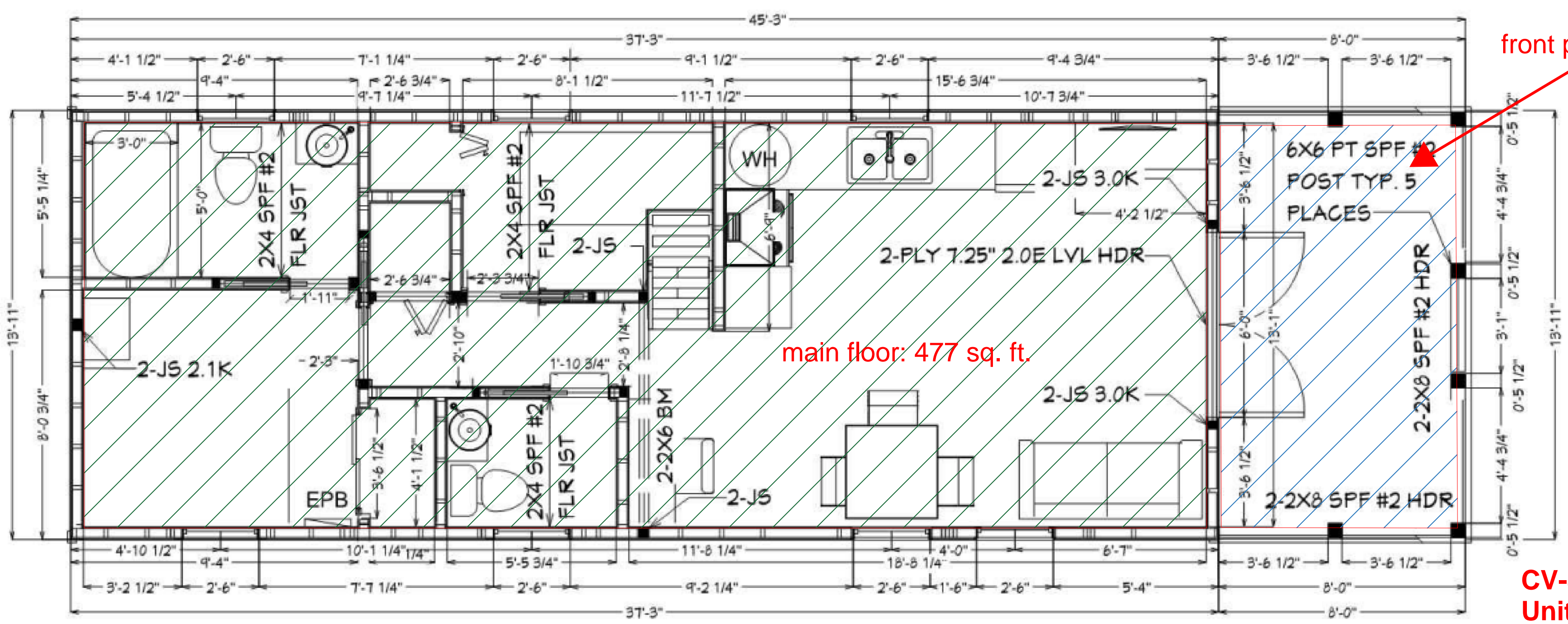
Inside living space: 477 sq. ft.

Outside living space: 100 sq. ft.





3 LOFT LEVEL
SCALE: 1/4" = 1'-0"



MAIN FLOOR PLAN
SCALE: 1/4" = 1'-0"

front porch: 100 sq. ft.

CV-4
Units C-F
Inside living space: 650 sq. ft.
Outside living space: 100 sq. ft.

Section 5-Fiscal Year 2023 Capital Project Request

**JACKSON COLLEGE
FY'20 CAPITAL OUTLAY PROJECT REQUEST**

Project Title: STEM Remodel of James McDivitt Hall

Project Focus: Academic STEM Instructional building

Type of Project: Renovation and minor expansion

Approximate Square footage: 117,000

Total Estimated Cost: \$45,000,000

Estimated Duration of Project: 30 Months

Is the Five-Year Plan posted on the institution's public website?

YES

Is the requested project the top priority in the Five-Year Capital Outlay Plan?

YES

1. Describe the project purpose:

The purpose of renovating and expanding the Jackson College STEM Center Building is literally at the heart of Jackson College's mission, which declares that we are an institution of higher education whose mission it is to assist all learners in identifying and achieving their educational goals. This proposed Capital Outlay project will result in creating new jobs for the State of Michigan through the employment of new, permanent, full- and part-time College personnel and, concomitantly, adds significant construction jobs for the duration of the project. It is estimated that the project will result in 5 new full-time faculty positions, 3 full-time technician positions, and 3 staff positions (full and part-time) resulting in an addition of \$1,000,000 annually to the state's resident workforce revenues. Further, the economic impact of the project through construction and equipment, utilizing a conservative multiplier will result in \$315,000,000 of economic impact in the State.

Ultimately, the building, and its attendant instructional programming will provide students with educational opportunities in high-demand instructional programmatic areas designed to lead them to completing a career-based credential of market value, entering the workplace or transferring to a baccalaureate-degree granting institution to continue their studies.

The College seeks to join with the State of Michigan, through this project, to prioritize STEM education for its citizens, among our overall instructional programming in order to future-proof our graduates going forward. According to the National Science Foundation, "...STEM Education brings together our advanced understanding of how people learn with modern technology to create more personalized learning experiences, to inspire learning, and to foster creativity from an early age. It will unleash and harness the curiosity of young people and adult learners across the United States, cultivating a culture of innovation and inquiry, and ensuring our nation remains the global leader in

science and technology discovery and competitiveness.”

As part of this new program for Jackson College, undertake an inclusive approach to student recruitment and support. Additionally, we will be able to ensure access for all students, with special attention given to at-risk students, students of color, and disabled students, including the hiring of faculty to serve as role models for these students.

2. Scope of the project:

The intended renovation and addition of this approximately 117,000 square foot instructional, classroom and instructional lab facility will be comprised of the following elements:

- Bimodal and hybrid ready learning environments to include:
 - Multi-function/flexible learning studios
 - Science Lab improvements
 - Cadaver Lab improvements
 - Study / breakout rooms
- University Center expansion and dedicated spaces to include Wayne State University, Siena Heights University, and Spring Arbor University
- Faculty/Staff Offices
- Conference Rooms
- Math Peer Study Center
- Science and Study Labs
- Engineering Labs
- Biology/Botany Greenhouse
- VR Learning Lab
- Computer Networking Labs
- Cyber Security Labs
- Building Maintenance and Operating Systems
- Storage
- Human Circulation Spaces
- Building Security / Reception area
- Restrooms
- STEM Commons
- Astronomy Lab
- Physics Manipulation Lab
- Makerspace Lab

3. Program focus of occupants: The particular focus of the proposed renovation and addition is, of course, providing education in courses and instructional programs that not only meet a strong market demand in the STEM field, but also in providing specific STEM courses and pre-baccalaureate programming for transfer students. The particular design focus of the instructional spaces is built around faculty input,

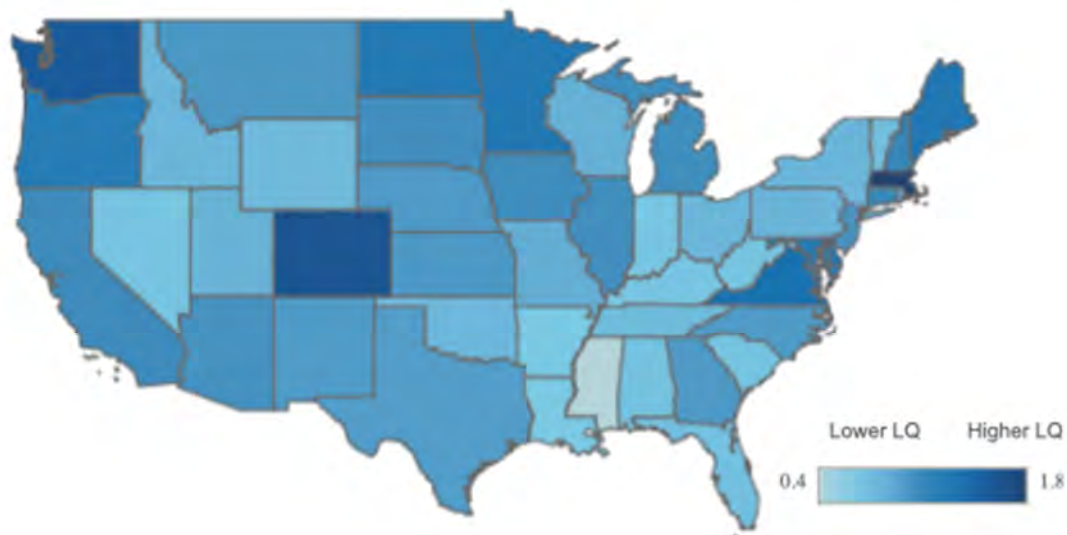
recommendations from related instructional advisory groups, as well as the general structure of the existing building. Ultimately, the space will provide practical, practicum, laboratory, and programmatic instructional experiences designed to advance student success in their program of study, degree and/or credential completion, and/or transferring to a baccalaureate university, or immediate employment in the industry, including business ownership.

Students emerging from STEM education at Jackson College would be able to secure jobs as Geographers, Computer Systems Specialists, Environmental Specialists, Water Analysts, Forensic Science Technicians, Web Developers, Accountants, Computer Systems Analysts, GeoTechs, Computer Network Architects, Cartographers, Cost Estimators, IT managers, Artificial Reality Techs, Science Lab Techs, Cyber Security Techs, Physics Lab Techs, and Technical Writers. Students choosing to transfer to a baccalaureate-granting institution will have additional opportunities. According to Indeed, their 21 STEM jobs in high demand currently (see: <https://www.indeed.com/career-advice/finding-a-job/stem-jobs>)

4. How does the project support Michigan's talent enhancement, job creation and economic growth initiatives on a local, regional and or/statewide basis?

This project will provide for the education and practical experience necessary for students to enter into a high-demand job market that is comprised of various specialization areas, as noted previously. This project is consistent with the Governor's and the MI department of education's priority to make Michigan a World Leader in STEM education and careers (see: https://www.michigan.gov/mde/0,4615,7-140-37818_34785-378071--,00.html) as well as the focus of the MI-STEM Council. Our focus on advancing STEM education at Jackson College also supports the State's

Per Capita Concentration of Online STEM Job Postings

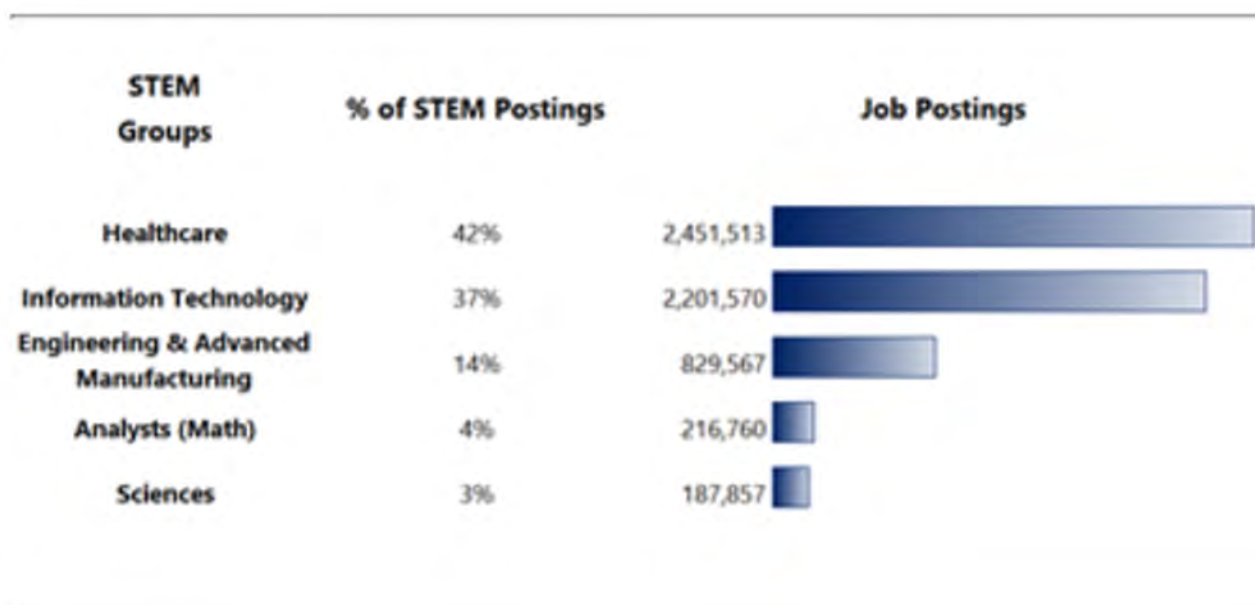


economic development priorities as well (see:

<https://www.michiganbusiness.org/news/2021/05/a-conversation-on-the-importance-of-stem-talent-and-internship-opportunities-in-michigan/>)

Further, it is our intention to partner with K-12 institutions, as well other colleges and universities to provide for STEM academies for dual enrolled students, advance STEM opportunities particularly for women and minorities, and enhance graduation rates for STEM students.

Data on the demand for STEM jobs is hefty with over 5.7 million job postings, according to Burning Glass. The graphic above of the United States demonstrates a strong demand for STEM trained graduates. The graphic on the next page outlines the specific areas for job demand within STEM. Furthermore, and salary for STEM degree holders includes a substantial premium when at the associate degree level where annual wages are over \$66,000 annually.



5. How does the project enhance the core academic and/or research mission of the institution?

Jackson College is an institution of higher education whose mission is to assist learners in identifying and achieving their educational goals. This project will provide enhanced academic and career options for students, especially with regard to STEM education. Previously, we have had a loose coupling of related courses, but the creation of this STEM facility, allows us to better recruit, and retain students, as well as to provide the necessary classrooms, labs, and related spaces in support of this program area. In addition, the building will provide the capacity necessary to increase these course and program offerings.

6. Is the project focused on a single, stand-alone facility? If no, please explain.

Yes - This STEM facility is a single, stand-alone building, as indicated in the areal image to the right...



7. How does the project support investment in or adaptive re-purposing of existing facilities and infrastructure?

This building will remodel and reenergize an existing facility that is in need of modernizations. Approximately 80% of this project's total square footage will be performing basic to significant upgrades to a 1967 constructed structure. There will be economies of scale with many utilities, as well as energy efficiency upgrades done during the project. Major upgrades will be done to the underlying HVACR system which will help to modernize controls and eliminate the last of the steam systems on our campus.

8. Does the project address or mitigate any current health/safety deficiencies relative to the existing facilities? If yes, please explain.

The renovation and addition to James McDivitt Hall building will provide for disabled students to participate more fully in this facility than is possible now. Additionally, this building will provide for an all-gender focus on restroom and changing spaces for students. The project will also include upgrading existing heating and cooling (HVAC) systems, with special attention to management of particulate filtration in the building, as well as including 'touchless' systems so as to better control the spread of disease.

9. How does the institution measure utilization of its existing facilities, and how does it compare relative to established benchmarks for educational facilities? How does the project help to improve the utilization of existing space and infrastructure, or conversely how does current utilization support the need for additional space and infrastructure?

The College currently uses scheduling software to track both space and energy utilization, as well as overall operational efficacy. Further, each building is separately metered and monitored. We believe each building has unique programming and academic needs so we focus our attention on our annual utilization reports and academic programming to determine the particular need and use for space.

In addition, the planned renovation and addition will incorporate the required, and

established, benchmarks of higher educational buildings, included, but not limited to essential life-safety provisions, space and density considerations, enrollment growth provisions, energy use and carbon emissions, energy consumption, sustainability, maintenance staffing levels per square foot, equipment standards, and commissioning requirements.

10. How does the institution intend to integrate sustainable design principles to enhance the efficiency and operations of the facility?

The College has a proud history of obtaining USGBC LEED certifications for our buildings over the years. With this renovation and expansion, the College plans to use energy efficient construction practices and sustainable design principles consistent with USGBC LEED certification requirements for the basis of design and construction.

Particular attention will be given to solar gain, building automation systems, footing and foundation design, right-sized HVAC, cross-ventilation, fenestration, envelope construction, alternative operational technologies, and waste material recycling. These and related principles will enhance the efficiency of the space and keep operating costs low. Furthermore, ongoing operations will incorporate sustainable practices and materials. It is our intention to pursue LEED certification for the building.

11. Are match resources currently available for the project? If yes, what is the source of the match resources? If no, identify the intended source and the estimated timeline for securing said resources.

The College will utilize a combination of building funds and long-term debt to fund the entire 50% match portion of the project. No increases in tuition will be made for this facility. Ideally, as with all of our work at the College, we will seek multiple naming opportunities for the facility and for interior spaces, which, over time, will help us to satisfy the long-term debt.

12. If authorized for construction, the state typically provides a maximum of 75% of the total cost for university projects and 50% of the total cost for community college projects. Does the institution intend to commit additional resources that would reduce the state share from the amounts indicated? If so, by what amount?

YES. Jackson College will cover 50% of the cost of this stand-alone project, as required, plus \$100,000 in institutional funding. The College would generally provide additional support, however, even though we have local taxing capability, the local taxpayers have opted not to support additional taxation since 1964.

Jackson College Cost Share: \$22,600,000

State of Michigan Cost Share:\$22,400,000

13. Will the completed project increase operating costs to the institution? If yes, please provide an estimated cost (annually, and over a five-year period) and indicate whether the institution has identified available funds to support the additional cost.

No. Based upon initial energy estimates and design models, we have determined that this renovation and modest expansion, it will actually cost less to operate this building than it currently does. The annual operating cost for the building is approximately \$239,000 (i.e., \$1,196,000 over 5 years). We are projecting the operating cost after the renovation to cost \$200,000 annually (i.e., \$1,000,000 over 5 years).

14. What impact, if any, will the project have on tuition costs?

There will be no impact on tuition from the construction of this stand-alone facility, thus students will not be negatively impacted financially.

15. If this project is not authorized, what are the impacts to the institution and its students?

If this project is not authorized, the institution will not be able to expand its STEM (i.e., Science, Technology, Engineering) and efforts of providing a competitive academic program that is competitive and sets students up to be successful. Furthermore, the College will not be able to assist the State in its goal to be a world leader in STEM education leading to more qualified Michigan citizens possessing the skills needed for the new economy.

What alternatives to this project were considered? Why is the request project preferable to those alternatives?

We did look at new facilities, however, in light of COVID implications for supply chain and labor costs, the overall projected cost of such a facility was higher than this planned remodel. We also considered other buildings in the community for retrofitting, however these did not meet our instructional needs – and, they were significantly removed from the Central Campus, thereby creating negative impacts upon students with limited or no transportation supports.