

JACKSON COLLEGE



Five-Year Capital Outlay Plan
Fiscal Year 2025 Capital Project Request

October 2023

JACKSON COLLEGE

Five-Year Capital Outlay Plan

Fiscal Year 2025 Capital Project Request

Contents

I.	Mission Statement.....	3
II.	Instructional Programming.....	6
III.	Staffing and Enrollment.....	12
IV.	Facility Assessment.....	26
V.	Implementation Plan.....	33
VI.	Fiscal Year 2025 Capital Project Request.....	94

I. Mission Statement

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.

II. Instructional Programming

PROGRAMS

BUSINESS AND COMPUTER TECHNOLOGY PATHWAY

Accounting
Business Administration
Business Management
Cloud Networking
Computer Support Specialist
Cyber Security
Digital Marketing
Entrepreneurship
Esport Game Design
Esport Management
Executive Assistant
Microsoft Office Specialist
Networking Specialist
Public Administration and Management
Software Engineering
Sport Management

HEALTH SCIENCES PATHWAY

Allied Health
Cardiac Sonography
Dental Hygiene
Emergency Medical Services
General Sonography
Health Sciences Foundations
Medical Assistant
Medical Insurance Coder/ Biller
Medical Office Support
Nursing
Nursing – LPN to AAS
Practical Nursing
Patient Care Technician
Radiography
Respiratory Care
Surgical Technology
Vascular Sonography

HUMAN SERVICES PATHWAY

Behavioral Sciences
Corrections
Law Enforcement

LIBERAL ARTS PATHWAY

3D Design and Animation
Associate in Arts
Associate in General Studies
Communication
Digital Photography
Graphic Design
Liberal Arts
Studio Art

SCIENCE, TECHNOLOGY, ENGINEERING and MATHEMATICS PATHWAY

Associate in Science
Environmental Science
Fundamentals of Engineering
Pre-Professional Science

PROFESSIONAL TRADES/INDUSTRY 4.0 AND AGRICULTURE PATHWAY

Advanced Manufacturing
Advanced Manufacturing – Industrial Systems
Advanced Manufacturing – Welding
Agribusiness
Agriculture Technology
Certified Production Technician
Electrician
EMPOWER Lineworker Pre-Apprentice
Energy Systems Management
Energy Systems Technology
Occupational Studies

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.

JETS

JACKSON COLLEGE

COLORS

Maroon and Gold

SPORTS

Co-ed: ESports

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

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



PRESIDENT & CEO: Dr. Daniel J. Phelan

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

meet
Jax
JC mascot



TOP 6 PROGRAMS

AA - Associate in Arts **108**

AAS - General Studies **81**

AAS - Business Administration **68**

AAS - Nursing **41**

AS - Associate of Science **25**

Certificate - Practical Nursing **20**

Projected programming changes, initiatives

Jackson College offers many degree options and content specializations that support the healthcare ecosystem within the tri-county area. Jackson College's Health Sciences Pathway allows students to obtain the most current and highest-level skills in their chosen health profession. Programs in this pathway include Nursing (Associate degree and certificate), Dental Hygiene (Associate degree), Emergency Medical Services (certification), Medical Assistant (Certificate), Medical Insurance Coder/Biller (Certificate), Medical Office Support (Certificate), Respiratory Care (Associate degree), Radiography (Associate degree), Diagnostic Medical Sonography, Cardiac Sonography and Vascular Sonography (Associate degrees), and Patient Care Technician (Certificate, including EKG and Phlebotomy). JC recognizes the importance of designing workforce-centered programs and meeting students and partners where they are. Jackson College's goal is to create a new learning space that allows the acquisition of clinical skills through deliberate practice and service learning. JC plans to redesign the simulation center and build a shared community simulation program; where the community families can receive high-quality medical screening services and workforce partners can upskill employees and enhance life-long learning. The simulation center will replicate a trauma one emergency service department where learners and guests will experience the depth and breadth of how a healthcare team works cohesively. The holistic space will integrate subject matter with the most relevant augmented reality, virtual reality, and high-fidelity simulation. Ultimately, the new approach to integrating workforce, community, and education will close the equity gap, attract talent, accelerate learning, and increase completion.

Partnerships with intermediate school districts

Jackson College has several partnerships with intermediate school districts. High school students thinking about college don't have to wait to get started. Jackson College provides an opportunity for motivated students to enrich their high school education with dual enrollment options made possible by the Postsecondary Option Act. Jackson College also offers more opportunities for high school students to attend college in Jackson, Lenawee, and Hillsdale counties with a variety of early and middle college programs.

The new Jackson County Early College is open to students in every public high school in Jackson County and is designed as a Universal Entry/Universal Exit model whereby students can begin their college education as early as their freshman year and stay through year 13, with opportunity to earn their high school diploma and an associate degree.

Also, a preparatory and early/middle college program is located on the Jackson College Central Campus, educating grades 6-12. Students then attend a fifth year, earning both their high school diploma and an associate degree.

The Jackson Area College and Career Connection Early/ Middle College is a unique learning program that creates a pathway for high school students to earn a high school diploma, college credit up to an associate degree, a technical/career credential, participation within a school-to-registered apprenticeship and the opportunity for employment upon graduation.

The JC/LISD Academy is a middle college program located in the LISD TECH Center and Jackson College @ LISD TECH campuses. Students may attend throughout high school and complete the fifth year, with the opportunity to earn both their high school diploma and an associate degree.

Starting in fall 2017, the early/middle college provides a combined high school and middle college program. Beginning in the 11th grade, students complete high school requirements and enroll in college classes. After 12th grade, students will attend the fifth year, earning both their high school diploma and at least 15 college credits.

Community activities

The Affinity leaders at Jackson College are committed to serving diverse communities and to increase service and understanding of the identified community in the JC service area. Each Affinity leader is responsible for developing relationships with and implementing programs designed to increase connections with the locally recognized community. The Affinity groups are African American, Asian, Hispanic/Latinx, LBGTQIA, Pakistan, Indian, Faith & Elder. JC's goal is to increase understanding and harmony leading to a more inclusive campus culture, increased identified student enrollment, and increased culture diversity of Jackson College employees. Here is a list of community and adult education focus activities that Jackson College has done over the past academic year including the Hispanic Heritage Festival, Lakshmi Puja Ceremony, Faith Community Guide -introduces students and community members to the many different faith communities that call Jackson home, Hindu Temple - Satyanarayana Pooja and Katha Puja Performances, Japanese Tea Ceremony, Japanese Furoshiki- "The Spirit of Mottainai", AAPI Heritage Origami Event, Free Tuition for Senior Citizens, Lunch and Learn for seniors, Financial Literacy, Kwanza Celebration, assistance in relaunching MLK courses at the Martin Luther King Recreation Center, Virtual Symposium on the impact of Implicit Bias, Festivista on the Patio and Hanging of the Pride Flag

Articulation agreements

Jackson College has articulation agreements with Albion College, Baker College, Central Michigan University, Cleary University, Eastern Michigan University, Ferris State University, Northwood University, Siena Heights University, University of Michigan – Flint, University of Detroit Mercy, Western Michigan University, and Wayne State University.

Corporate and Continuing Education (CCE) at Jackson College focuses on providing quality training opportunities to up-skill the workforce in the tri-county area, by offering customized training, facilitating the Michigan New Job Training Program and collaborating with workforce organizations to identify additional resources as needed.

JC also helps individuals advance their careers with personal training, finding new occupations, or to simply explore a personal interest.

Over the 2022-23 academic year CCE has offered several workforce trainings, on-line self-paced training courses, along with community enrichment classes. Included is a spreadsheet of the various classes offered over the 2022-23 academic year.

In the Summer of 2023 Jackson College partnered with the YMCA of Jackson to offer Summer Camp on campus. Students who participated with the YMCA day camp program were bussed to JC for a day of career exploration, learning and fun. This program was held over a 6-week period /2 days per week with 60-80 students attending each day.

Jackson College partners with several area business using the Michigan New Jobs Training Program (MMJTP). Currently CCE manages over 4 million in MMJTP contracts and has provided training for over 300 new positions.

Currently the College has 14 active contracts and 11 different partners.

Partners include:

- Commonwealth Associates
- True Community Credit Union
- CPC Operating, LLC
- Careline Holding Company
- Lomar Machine & Tool
- Lifeways
- Technique
- ACME Graphics, LLC
- PlaneWave Instruments.
- Henry Ford Jackson
- Production Saw and Machine

Training Type	Course Name	Academic Year	Headcount
Cross-Listed	CCE 118: Electronic Health Records	2022-23	1
Cross-Listed	CCE 252: Solidworks 3	2022-23	3
Cross-Listed	CCE 262: Principles of Ilot	2022-23	1
Cross-Listed	CCE 427: Production Process and Fabrication	2022-23	4
Cross-Listed	CCE 428: Basic Electricity and Fluid Systems	2022-23	5
Cross-Listed	CCE 429: Solidworks 1	2022-23	14
Cross-Listed	CCE 444: Solidworks II	2022-23	4
Cross-Listed	DMS 100: Intro to Diagnostic Imaging	2022-23	46
Cross-Listed	Solidworks 1 (CAD-152-I50)	2022-23	8
Customized Training	Intro to Manufacturing - 4 Weeks	2022-23	10
Customized Training	Intro to Manufacturing - 5th Week	2022-23	6
Customized Training	Prototype/Welding Training - 4 Weeks	2022-23	10
Customized Training	Prototype/Welding Training - 5th Week	2022-23	5
Online Training - Selfpaced	Ed2Go: Business Finance for Non-Finance Personnel	2022-23	1
Online Training - Selfpaced	Ed2Go: Individual Excellence	2022-23	1
Online Training - Selfpaced	Ed2Go: Intermediate Microsoft Excel	2022-23	1
Online Training - Selfpaced	Ed2Go: Intro to Microsoft Excel	2022-23	3
Online Training - Selfpaced	Ed2Go: Leadership Suite	2022-23	2
Online Training - Selfpaced	Ed2Go: Managing Customer Service	2022-23	1
Online Training - Selfpaced	Ed2Go: Project Management Suite	2022-23	3
Stand-Alone	2023 Nuts, Bolts, and Thingamajigs Manufacturing Camp	2022-23	5
Stand-Alone	2023 Summer Art Camp	2022-23	20
Stand-Alone	CCE 180: Climbing School	2022-23	7
Stand-Alone	Customer Service for the Jackson College Employee	2022-23	11
Stand-Alone	Google Business Intelligence Certificate	2022-23	2
Stand-Alone	Google Data Analytics Certificate	2022-23	1
Stand-Alone	Google Digital Marketing & E-Commerce Certificate	2022-23	1
Stand-Alone	Google IT Automation with Python Certificate	2022-23	1
Stand-Alone	Google Project Management Certificate	2022-23	2
Stand-Alone	Growing with Canvas (Teacher Training)	2022-23	1
Stand-Alone	HCEMC 2023	2022-23	1
Stand-Alone	Human Biology (BIO-132-I5)	2022-23	1
Stand-Alone	Introduction to Diversity, Equity and Inclusion	2022-23	12
Stand-Alone	Online Course Accessibility: Ensuring Equitable Learning Experiences	2022-23	4
Stand-Alone	Pop-Up Pottery Session 1	2022-23	10
Stand-Alone	Pop-Up Pottery Session 2	2022-23	11
Stand-Alone	Pop-Up Pottery Session 3	2022-23	15
Stand-Alone	Welcome to Canvas (Student)	2022-23	14
Stand-Alone (International GPWE)	CCE 137: Image Editing Applications	2022-23	53
Stand-Alone (International GPWE)	CCE 421: Blueprint Reading and Precision Measurement	2022-23	78
Stand-Alone (International GPWE)	CIS 101: Introduction to Computer Systems	2022-23	56
Stand-Alone (International GPWE)	ELT 106: Basic Electricity and Fluid Systems	2022-23	99
Stand-Alone (International GPWE)	ELT 140: Introduction to Digital Electronics	2022-23	102

III. Staffing and Enrollment

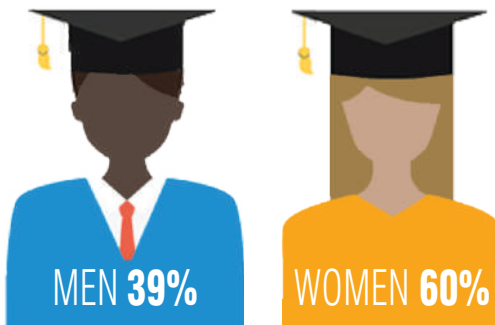
Jackson College by the numbers

2022 - 2023

FULL TIME
20%

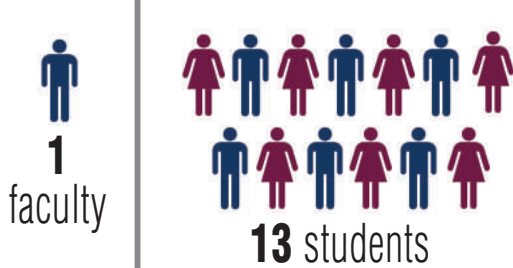
TOTAL
HEADCOUNT
6,778

PART TIME
80%



1% UNIDENTIFIED

STUDENT TO FACULTY RATIO*



AGE

UNDER 18

29%

18 - 24

32%

25 AND
OVER

40%

DEMOGRAPHICS OF STUDENTS ENROLLED FOR CREDIT

WHITE	67%
UNKNOWN	12%
BLACK OR AFRICAN AMERICAN.....	11%
HISPANIC	5%
MORE THAN ONE RACE.....	4%
ASIAN	1%

DEGREES AND CERTIFICATES AWARDED IN 2022-2023 ACADEMIC YEAR

Degrees &
Certificates
Awarded **668**

Graduates **582**

FINANCIAL AID

85%

of STUDENTS were
awarded some
type of **Federal**
financial aid

Per IPEDS reporting 22-23 cycle

3

locations

Central Campus • Jackson, MI
Clyde LeTarte Center • Hillsdale, MI
Jackson College @ LISD TECH • Adrian, MI

Enrollment by Program & Student FTE Status

Full Time: 12 or more credit hours

Time Period: 23/FAL

WEBI Query- Institutional Research/ Departments/ Business Office/ 5 Year Plan

Primary Program of Study

Primary Program	Primary Program Description	Full-Time	Part-Time	Grand Total
ACCT.AAS	AAS - Accounting	23	52	75
ACCT.CERT	Certificate - Accounting	0	1	1
ADMA.AAS	AAS - Advanced Manufacturing	4	17	21
AGBU.CERT	Certificate - Agribusiness	1	2	3
AGTE.AAS	AAS- Agricultural Technology	2	10	12
AHGS.AAS	AAS - Allied Health General Studies	0	7	7
ALHE.AAS	AAS - Allied Health	26	74	100
APPR.CON	Concentration - Apprentice	0	1	1
ARTS.AA	AA - Associate in Arts	248	317	565
AUTO.AAS	AAS - Automotive Service Technology	0	1	1
BHSC.CERT	Certificate - Behavioral Sciences	4	10	14
BMGT.CERT	Certificate - Business Management	6	18	24
BUAD.AA	AA - Business Administration	89	74	163
BUAD.AAS	AAS - Business Administration	138	527	665
BUAD.CERT	Certificate - Business Administration	1	0	1
CLNE.AAS	AAS - Cloud Networking	4	17	21
COMM.AA	AA-Communication	13	15	28
CORR.AAS	AAS - Corrections	3	10	13
CORR.CERT	Certificate - Corrections	4	8	12
CPSP.AAS	AAS - Computer Programming Specialist	0	1	1
CSON.AAS	AAS - Cardiac Sonography	0	18	18
CSST.AAS	AAS- Computer Support Specialist	1	1	2
CSST.CERT	Certificate - Computer Support Specialist	3	5	8
CYSE.AAS	AAS - Cyber Security	28	38	66
DDDA.CERT	Certificate - 3D Design and Animation	2	3	5
DENT.AAS	AAS - Dental Hygiene	11	0	11
DIPH.CERT	Certificate - Digital Photography	4	5	9
DMKT.CERT	Certificate- Digital Marketing	0	5	5

DUAL.NDS	NDS - Dual Enrolled School Students	8	574	582
EGYM.BS	BS - Energy Systems	3	9	12
EGYT.AAS	AAS - Energy Systems Technology	3	7	10
ELEC.AAS	AAS - Electrician	16	35	51
ELEC.CERT	Certificate - Electrician	12	31	43
EMTE.CERT	Certificate - Emergency Medical Services - Emt B Licens	5	1	6
EMU.NDS	TR Eastern Michigan University	0	1	1
ENSC.AAS	AAS - Environmental Science	10	13	23
ENSC.CERT	Certificate - Environmental Science Certificate	0	2	2
ENTR.AAS	AAS - Entrepreneurship	12	17	29
ENTR.CERT	Certificate - Entrepreneurship	1	1	2
ESGD.CERT	Certificate - Esport Game Design	1	0	1
ESMG.CERT	Certificate - Esport Management	1	0	1
EXAS.AAS	AAS - Executive Assistant	0	2	2
EXAS.CERT	Certificate - Executive Assistant	0	3	3
FUEN.CERT	Certificate - Fundamentals of Engineering	13	5	18
GEST.AGS	AGS - Associate in General Studies	66	122	188
GRDE.AAS	AAS - Graphic Design	25	35	60
GRDE.CERT	Certificate - Graphic Design	1	4	5
GSON.AAS	AAS - General Sonography	21	0	21
GUES.NDS	NDS - Guest Student - College	1	16	17
HAIS.AAS	AAS - Health Administration/Insurance Specialist	0	3	3
HEMC.NDS	NDS - Hillsdale Early Middle College	13	47	60
HESC.CERT	Certificate - Health Sciences Foundations	201	439	640
HSGT.NDS	NDS - High School Guest Student	1	6	7
ISAM.CERT	Certificate - Industrial Systems:Advanced Manufacturing	0	1	1
JCEC.NDS	NDS - Jackson County Early College	76	537	613
JPEC.NDS	NDS - Jackson Preparatory Early College	20	75	95
LAEN.AAS	AAS - Law Enforcement	16	18	34
LEMC.NDS	NDS - Lenawee Early Middle College	6	15	21
LINE.CERT	Certificate - Empower Lineworker Pre-Apprentice	4	62	66
MEDA.CERT	Certificate - Medical Assistant	12	19	31
MEOS.CERT	Certificate - Medical Office Support	1	4	5
MICB.CERT	Certificate - Medical Insurance Coder/Biller	8	31	39
MSOS.CERT	Certificate - Microsoft Office Specialist	0	2	2
NESP.AAS	AAS - Networking Specialist	7	10	17
NESP.CERT	Certificate - Networking Specialist	1	1	2

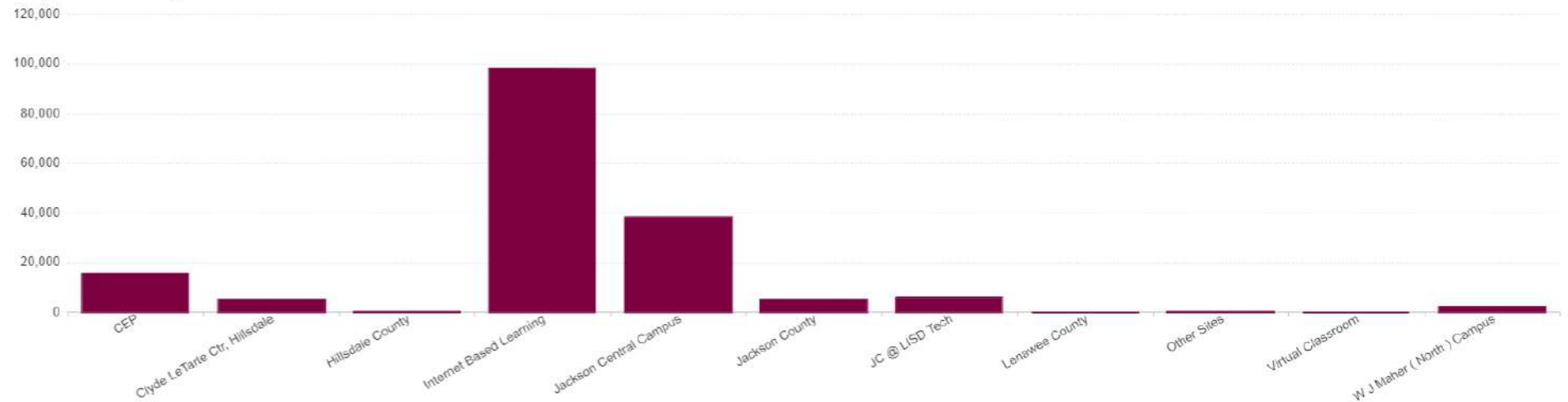
NURS.AAS	AAS - Nursing	2	91	93
PAMT.AA	AA - Public Administration and Management	4	10	14
PAMT.CERT	Certificate - Public Administration and Management	0	8	8
PERS.NDS	NDS - Personal Interest	0	32	32
PNCE.CERT	Certificate - Practical Nursing	4	4	8
PSTE.AAS	Pre-Surgical Technician	0	2	2
PTCT.CERT	Certificate - Patient Care Technician	0	3	3
RADI.AAS	AAS - Radiography	4	31	35
RECA.AAS	AAS - Respiratory Therapy	19	15	34
SCIE.AS	AS - Associate in Science	122	129	251
SMGT.AA	AA - Sport Management	32	11	43
SOEN.AAS	AAS - Software Engineering	20	34	54
STAR.CERT	Certificate - Studio Art	1	7	8
TDMA.CERT	Certificate - Tool & Die Maker	0	1	1
TNUR.AAS	AAS - Nursing (LPN to ADN)	0	5	5
UNDC.AA	Undeclared - Associate in Arts Transfer	0	2	2
UNDC.NDS	NDS - Undeclared Non Degree Seeking	0	1	1
VSON.AAS	AAS - Vascular Sonography	14	3	17
WLAM.CERT	Certificate - Welding:Advanced Manufacturing	4	14	18
	Sum:	1406	3788	5194

How programs are accessed by students

Jackson College owns more than 500 acres and sits on a scenic rural site six miles south of the city of Jackson. Jackson College has one central campus located in Jackson County with two satellite locations. The Letarte Center is one of the satellite locations where students may access their program of study that is equipped with a state-of-the-art science lab and computers available for student use. The Lenawee Independent School District Tech Center is the second satellite location which features the latest in technology, state-of-the-art science wing, and full-service bookstore. The pandemic changed the preferred modality of students for accessing their programs. In Fall 2023, approximately 63% of the billing contact hours were contributed to online distance learning.

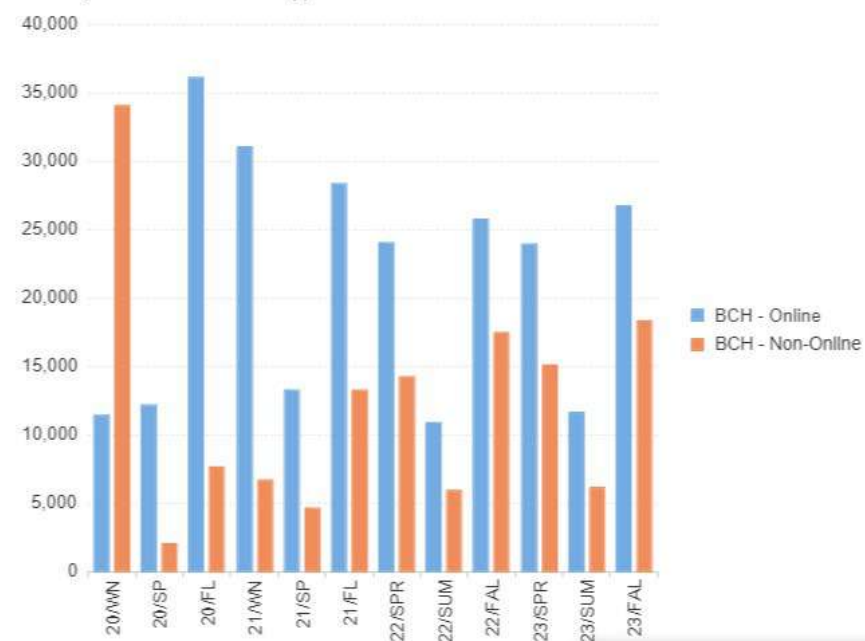
Enrollment by Location as of Last Day of Term: Fall 2019 - Fall 2022

Billing Contact Hours by Course Location

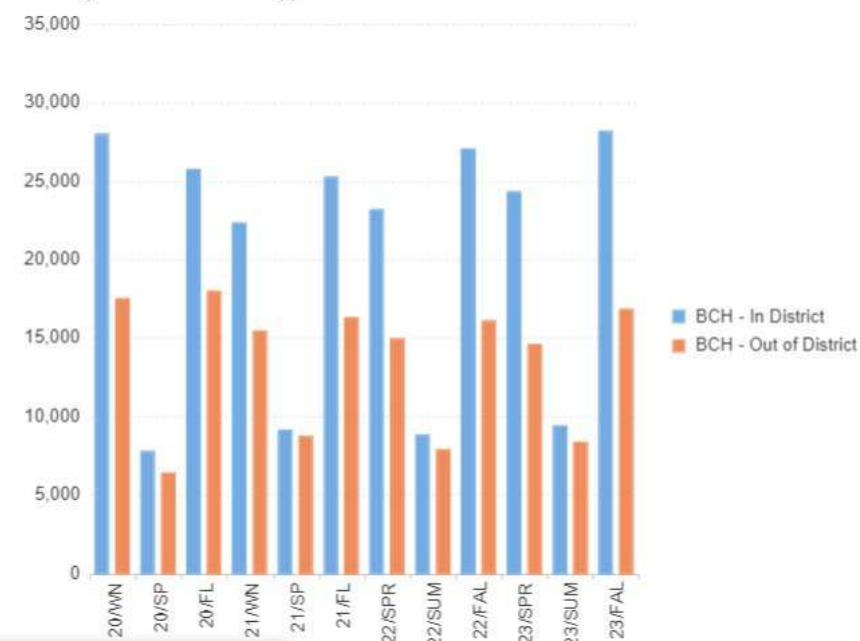


Billing Credit Hour Comparison for all Terms at 4 Weeks After Start of Term

BCH by Section Location Type



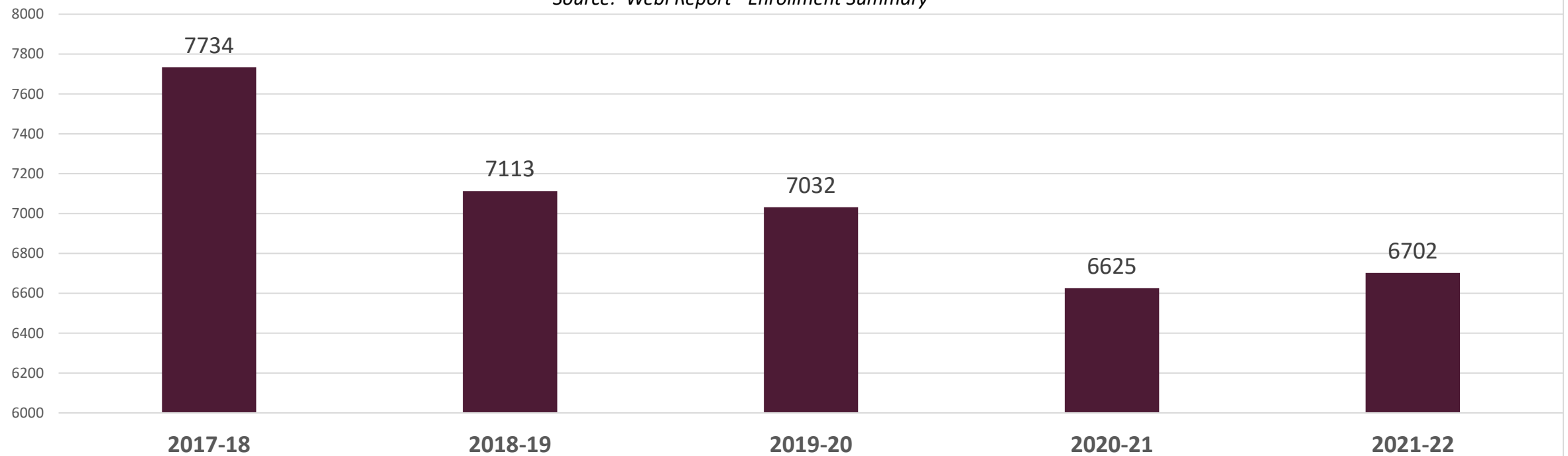
BCH by Student District Type





Unduplicated Headcount Enrollment Trends By Academic Year

Source: Webi Report - Enrollment Summary



Projected enrollment patterns

Enrollment projections were calculated using the Autoregressive Moving Average model. This model accounts for the seasonality of enrollment at the college and uses previous enrollment patterns for its projections. Jackson College anticipates a year-over-year decline in enrollment for the next five years. It is important to note the environmental factors that impact Jackson College's enrollment which include the pandemic, high school enrollment levels, unemployment rate, and inflation.

Academic Year	Forecasted Billing Hours
2023-2024	102,973
2024-2025	99,990
2025-2026	98,085
2026-2027	97,047
2027-2028	95,928

Academic Year	Fall Headcount	Year-Over-Year Change
2023-2024	5,244	
2024-2025	4,967	-5.3%
2025-2026	4,865	-2.1%
2026-2027	4,790	-1.5%
2027-2028	4,733	-1.2%

Billing Contact Hour (BCH) By Discipline by Term

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

Source: Webi Query Enrollment Summary ODS_Main BCH Summary

	22/FAL	23/SPR	23/SUM	Grand Total
ACC	751	606	499	1856
AGT	30	33	2	65
ALT	21			21
ANT	183	192	87	462
ART	789	839	325	1953
BIO	3068	3081	1506	7655
BUA	2766	2691	1569	7026
CAD	148	168	32	348
CCE	0			0
CEM	919	877	460	2256
CIS	1363	1272	357	2992
CNS	847	845	218	1910
COM	1281	1359	489	3129
CPS		12		12
CRJ	537	522	111	1170
DHY	245	410	230	885
DMS	1537	1413	1351	4301
ECM	12	30	9	51
ECN	525	780	258	1563
EDU	80	112		192
EGY	393.75	337	171.75	902.5
ELI			16	16
ELT	1487	1061	395	2943
EMS	253	161	94	508
ENG	4093	3489	1341	8923
ENT	429	288	222	939
FYS	324	310	104	738
GEL	515	655	195	1365

GEO	269	274	77	620
GER	76			76
HIS	1043	1209	354	2606
HOC	852	611	254	1717
HPF	234	212	93	539
HUM	783	972	291	2046
LTL	0	0	0	0
MAT	3751	2859	1638	8248
MED	258	342	216	816
MFG	252	400	141	793
MIC	276	240	195	711
MOA	810	627	405	1842
MUS	733	754	444	1931
NRS	1790.48	1458.02	69	3317.5
NSC	265	362	285	912
PAM	204	312	330	846
PHL	321	309	60	690
PHY	442	185	124	751
PLS	477	468	192	1137
PNC	401	552.4		953.4
PSY	2556	2535	619	5710
RAD	386	380.5	317.5	1084
RES	444	460	384	1288
SEM	1968	750	276	2994
SMT	144	168		312
SOC	240	291	198	729
SPN	280	220	144	644
STM	39	33	27	99
SWK		128		128
THR	201	208	96	505
WLD	216	128		344
Sum:	42308.23	38990.92	17271.25	98570.40

Jackson College
Employee to Student Ratios
Fiscal Year 2022

	Annual FTE Students	2932
<u>Employee Classification</u>	<u>FT Employee Count</u>	<u>FT Employee/Student Ratio</u>
Administrators	40	1 to 73
Staff	130	1 to 23
Faculty	59	1 to 50
Overall	229	1 to 12

Employee Profile

Fall 2022



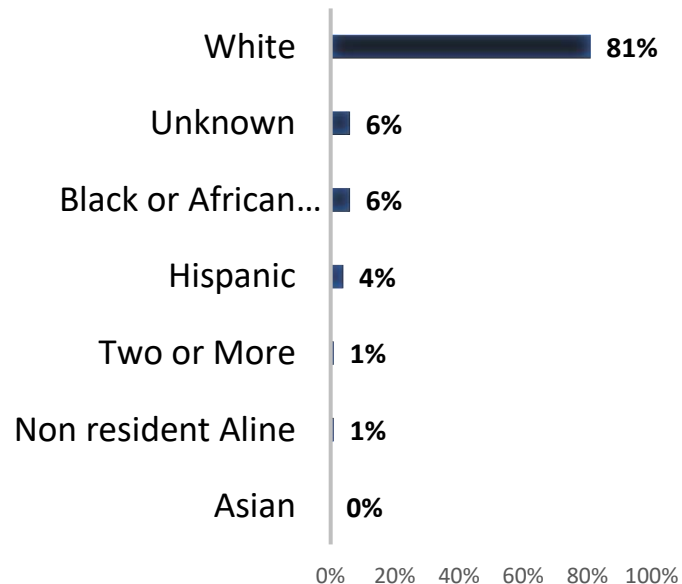
Institutional Research
and Effectiveness

Source: IPEDS HR Reporting Year 2021-22

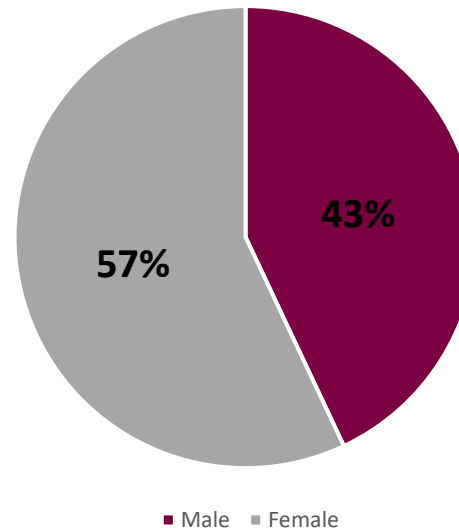
Position Type

Leadership	Dean	Faculty	Administration	Classified/Tech	Temp
6	2	64	35	152	69

RACE & ETHNICITY BREAKDOWN



Gender



Average Class Size

Source: Webi Report - 5 Year Plan



Average Class Size		Duplicated	
Year	Sections	Headcount	Average
2022-2023	1,921	29,451	15.3
2021-2022	1,862	28,273	15.2
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

IV. Facility Assessment

IV. Facility Assessment

In August 2023, Jackson College partnered with Parsons Environment & Infrastructure Group Inc. out of Grand Rapids to conduct an exhaustive campus wide Facility Condition Assessment. The assessment will include a review of all campus buildings, as well as the campus site (parking, sidewalks, etc.). A draft report is expected by November 1, 2023. The report will be used to determine existing deferred maintenance liabilities and will inform short- and long-term capital investment and maintenance budgeting and planning.

a. Summary description:

See Attached Facilities Assessment Spreadsheet

b. Classroom Utilization Rates

Room hour usage per building rates is based on a standard schedule of Monday through Friday, 8am – 10pm. The College has continued to scale the academic offerings back to include more face-to-face sections but are still not at pre-COVID levels. Approximately 55% of the schedule is offered in an online format, and pre-COVID this number was closer to 20%.

Traditional classroom spaces are scheduled in times that meet demands of the varied student populations. Clinical spaces and nursing/allied health labs are scheduled at appropriate times to meet program and accreditation requirements.

See Attached Classroom Utilization Summary by Hour of Day, Day of Week

c. Mandated facility standards:

Programs and departments comply with applicable laws and standards such as OSHA and MIOSHA. Facilities are reviewed regularly to ensure compliance. Industrial programs (Manufacturing, Welding, etc.) as well as science, particularly chemistry labs, are reviewed more frequently.

d. Functionality of existing structures and space allocation

Classrooms in the newer buildings are adequate and meet current needs, however, classrooms in older buildings (McDivitt and Whiting Hall) need complete renovation. The HVAC system in McDivitt is outdated, obsolete and in need of complete replacement. The system is massive, inefficient, and failing regularly, requiring significant repair costs. Windows are outdated and single pane and lack energy efficiencies. In the Five-Year Master Plan, McDivitt Hall and Whiting Hall are planned for renovation. McDivitt Hall is the priority.

e. Replacement value

See Facilities Assessment Spreadsheet

f. Utility system condition (i.e., HVAC, water, sewer, electrical)

The condition of these systems varies greatly depending on the building. Newer and recently renovated buildings (Walker Hall, HLC, Atkinson, STEAM, etc.) are in excellent to very good condition. Boiler systems and air handling systems in the Gymnasium, McDivitt Hall, Whiting Hall are aging and past their expected useful lifespan, with McDivitt being of the most pressing concern. Chillers are new in the newer and recently renovated buildings, and adequate as in most others.

Water systems are new in newer buildings and recently renovated buildings. While the campus is connected to township provided water, most buildings on campus require water softeners due to excessive calcium levels. Water heaters in Maroon Hall were replaced in September 2023 and Gold Hall water heaters will be replaced in December of 2023. The water main and service lines are original to the campus construction and are roughly 50-60 years old. The township has a chlorination station on campus to service the College, that station is checked daily by a trained technician. The township also has a water tower on campus for storage and backup.

The sewer system was connected to township sewer lines in the mid 2010's, however the main campus service line is original, as well as original lines to the buildings.

The campus is serviced by an 8,320 Volt 3 phase power feed which enters the main switch gear for the campus located in the Campus Services building. This service is currently adequate for existing needs and planned expansion over the next five years. The College has a recloser system to prevent damage from single phase outages and disruptions. All panels were inspected and certified in the last year, as well as ARC flash rated. Additionally in 2023, panels were IR tested, cleaned, and serviced.

g. Facility infrastructure condition

All Central Campus parking lots and the Jet's Beltway were seal coated during the Fall of 2022, including the LeTarte Center. The parking lots in McDivitt, Field House/Whiting/CS are patch sealed, sealed, and maintained but are well past their useful life and need to be replaced.

Sidewalks are in generally good condition, with several areas being hydro jacked in 2022. The sidewalks along the perimeter of McDivitt Hall, and Whiting Hall are in poor condition and need replacing. The 1.25-mile Jet's Walking Trail on Central Campus is in excellent condition. The Jet's Beltway is poor in some places and excellent in others. The replacement of the Northeast section will need to be addressed in the next five years.

h. Adequacy of existing utilities and infrastructure system to current and 5-year projected programming needs.

Existing utilities and infrastructure systems are adequate to support any future programming needs within the next five years, however, it is anticipated that additional

electrical capacity will need to be added in 2029 or possibly sooner based on any unanticipated projects outside of the five-year master plan.

i. Enterprise-wide energy plan and what are the goals.

The College has contracted with Tenurgy LLC, to audit and analyze utility costs and other business operating expenses including electric, natural gas, water/sewer, telecommunications, and waste/trash services. This three-year consulting contract began in October 2020.

In addition to this ongoing relationship with Tenurgy, the College is looking at partnering with other organizations to reduce energy costs and consider alternative energy options.

Finally, the College also partners with Consumers Energy in its Demand Response program which the College has committed to reducing its energy load by 30% in the case of a demand notice due to extreme conditions or demands on its energy grid.

j. Land owned by the institution and determined if capacity exists for future development, future demands etc.

Jackson College owns thirty-six parcels of land totaling over three hundred acres. Most of these properties (24) are included in a 99-year land lease with the Dahlem Environmental Education Center and are not accessible for College use outside of environmental education, expansion per se is not possible. The Central Campus sits on over 150 acres, with adequate acreage for expansion. Other properties include building lots and other lots donated by friends of the College or are owned and operated by the Jackson College Foundation for the benefit of Jackson College but have restricted uses which limits expansion on those sites.

The College is considering reducing the number of campuses by a sale/lease back of the Adrian Campus site anticipated in late 2023 or early 2024. The sale of the North Campus which was owned by the Jackson College Foundation was completed in June 2023. These sales will place an increased burden on central campus classrooms and buildings and will reduce annual operating expenses for these sites. The reduction in sites will necessitate the renovations of James McDivitt Hall and Justin Whiting Hall.

k. Buildings Bonded and any timelines for expiration.

Jackson College has four existing SBA leases. The most recent was Bert Walker Hall renovation, the SBA cost was \$7,599,800 and the lease is set to expire on 8/31/2052. The College also completed HLC/Whiting Hall Renovations in 2011, the SBA cost was \$10,949,800 and is set to expire in 2046. The College completed William Atkinson Hall/Information Commons in 2008 and had an SBA cost of \$7,499,800 and is set to expire in 2043. The remaining project was the Health Program Expansion in 2005, with an SBA cost of \$1,499,900 and an expiration date of 2039.

Central Campus CLASSROOM: Percent of Rooms in Use

by Day and Time

10/20/2023

6:45AM

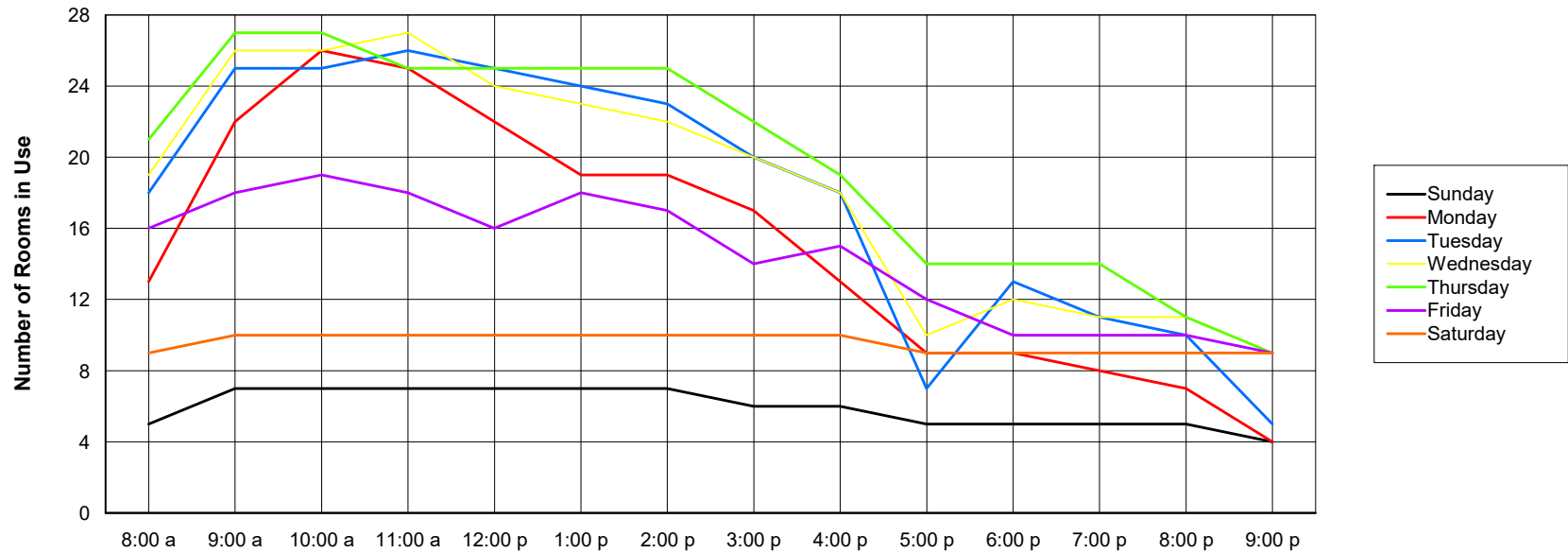
Number of Rooms: 32

For all sections and events occurring 8/29/2022 - 8/14/2023

	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM
Sunday	16%	22%	22%	22%	22%	22%	22%	19%	19%	16%	16%	16%	16%	13%
Monday	41%	69%	81%	78%	69%	59%	59%	53%	41%	28%	28%	25%	22%	13%
Tuesday	56%	78%	78%	81%	78%	75%	72%	63%	56%	22%	41%	34%	31%	16%
Wednesday	59%	81%	81%	84%	75%	72%	69%	63%	56%	31%	38%	34%	34%	28%
Thursday	66%	84%	84%	78%	78%	78%	78%	69%	59%	44%	44%	44%	34%	28%
Friday	50%	56%	59%	56%	50%	56%	53%	44%	47%	38%	31%	31%	31%	28%
Saturday	28%	31%	31%	31%	31%	31%	31%	31%	31%	28%	28%	28%	28%	28%

Central Campus CLASSROOM Rooms in Use

by Day and Time



BUILDING	Abbreviation	Site	Type	Location	Constructed	Capital Outlay	Gross Sq. Ft	Net Assign	Ratio	Condition	100% demo and replacement value	pricing notes	Projects
Campus View	CV	V	95% Dormitory 5% Office	Central Campus	2015	No	69,500	50,600	72.8%	Excellent	\$20,850,000		Maintenance Only
Tiny Home A	JVA	W	100% Dormitory	Central Campus	2020	No	577	477	82.7%	Excellent	\$225,030		Maintenance Only
Tiny Home B	JVB	W	100% Dormitory	Central Campus	2020	No	577	477	82.7%	Excellent	\$225,030		Maintenance Only
Tiny Home C	JVC	X	100% Dormitory	Central Campus	2020	No	650	550	84.6%	Excellent	\$253,500		Maintenance Only
Tiny Home D	JVD	X	100% Dormitory	Central Campus	2020	No	650	550	84.6%	Excellent	\$253,500		Maintenance Only
Tiny Home E	JVE	X	100% Dormitory	Central Campus	2020	No	650	550	84.6%	Excellent	\$253,500		Maintenance Only
Tiny Home F	JVF	X	100% Dormitory	Central Campus	2020	No	650	550	84.6%	Excellent	\$253,500		Maintenance Only
Astronomical Observatory	AO		100% Laboratory	Central Campus	2023	No			#DIV/0!	Excellent	\$800,000		
Storage			100% Service	Central Campus		No			#DIV/0!		\$178,098		
Flag Pole & Improvements				Central Campus	2006	No			#DIV/0!		\$191,209		
Facilities Storage Bldg			100% Service	Central Campus		No			#DIV/0!		\$136,578		
Fannie Beach Arboretum									#DIV/0!		\$211,969		
Dahlem Center "Cabin"									#DIV/0!		\$24,038		
Dahlem Pavilion									#DIV/0!		\$22,946		
Dahlem Storage Barn									#DIV/0!		\$27,316		
Dahlem Farm Hse & Barn									#DIV/0!		\$109,262		
Garage/Corn Bin									#DIV/0!		\$109,262		
Wickwire Hse, Deck, & Garage									#DIV/0!		\$737,521		
Warehose (Pole Barn)									#DIV/0!		\$81,947		
Central Campus Infrastructure													
Parking Lots				Central Campus	Various	No	625,521	1,841 spaces		Fair/Good	\$70,000,000		Maintenance only, many of the lots are in poor condition
Site Development				Central Campus						Fair	\$85,000,000	sidewalks, pedestrian / street lighting and signage	
Jet's Beltway				Central Campus	Various	No	1.25 Miles			Poor/Excellent	\$30,000,000		Portions of the roadway are poor, others are very good
Central Electric Distribution				Central Campus	Various					Fair/Good	\$100,000,000	site only / not in buildings	Maintenance only
Central Gas Distribution				Central Campus	Various					Fair/Good	Consumers		Maintenance only
Water/Sewer				Central Campus	Various					Fair/Good	\$55,000,000	site only / not in buildings	Maintenance only
HVAC				Central Campus	Various					Poor/Excellent	n/a	this is included in each buildings replacement calc	Generally Mtce Only, New Systems needed in Gym, McDevitt, Whiting, WA
JCC at Lenawee VoTech Building	SBA LEN	O	80% Classroom 20% Office	Adrian	2003	Yes	26,000	24,000	92.3%	Very Good	\$14,950,000		Maintenance only
Parking Lots				Adrian	2003					Fair	\$1,500,000		Maintenance only
Central Electric Distribution				Adrian	2003					Good	n/a		Maintenance only
Clyde LeTarte Center	HIL	R	80% Classroom 20% Office	Hillsdale	Unknown	No	10,640	9,600	90.2%	Very Good	\$5,852,000		Maintenance only
Parking Lots				Hillsdale	Unknown					Good	\$750,000		Maintenance only
Central Electric Distribution				Hillsdale	Unknown					Good	n/a		Maintenance only
											\$0		

V. Implementation Plan

V. Implementation Plan

The Five-Year Capital Outlay Plan should identify the schedule by which the institution proposes to address major capital deficiencies, and:

- a. Prioritize major capital projects requested from the State, including a brief project description and estimated cost, in the format provided. (Adjust previously developed or prior years' figures utilizing industry standard CPI indexes where appropriate).

Please see attached Fiscal Year 2024-2029 Facilities Plan spreadsheet.

- b. If applicable, provide an estimate relative to the institution's current deferred maintenance backlog. Define the impact of addressing deferred maintenance and structural repairs, including programmatic impact, immediately versus over the next five years.

In August 2023, Jackson College partnered with Parsons Environment & Infrastructure Group Inc. out of Grand Rapids to conduct an exhaustive campus wide Facilities Condition Assessment. The assessment will include a review of all campus buildings, as well as the campus site (parking, sidewalks, etc.). A draft report is expected by November 1, 2023. The report will be used to determine existing deferred maintenance liabilities and will inform short- and long-term capital investment and maintenance budgeting and planning.

Jackson College will be managing this process through a new role being implemented in January 2024. The position, Coordinator of Deferred, Corrective and Preventative Maintenance will focus over the next twelve months on designing and implementing a deferred, corrective and preventative program at the College.

Existing knowledge and data gathered from the Parson's study will be used to generate a multiyear implementation plan of all deferred maintenance needs based on criticality of the system, conditions, safety considerations, and budget. This will be overlayed where appropriate with the five-year master plan.

- c. Include the status of on-going projects financed with State Building Authority resources and explain how completion coincides with the overall Five-Year Capital Outlay Plan.

NA

- d. Identify, to the extent possible, a rate of return on planned expenditures. This could be expressed as operational "savings" that a planned capital expenditure would yield in future years.

The potential savings which would be captured by renovating McDivitt Hall and Whiting Hall are significant. Each uses outdated and, in some cases, obsolete HVAC systems. The lighting and energy systems in the building are not completely converted to LED.

The windows and ingress and egress systems are single pane and not energy efficient. The College is looking to improve the utilization and efficacies of its Building Automation Systems to generate additional cost-saving measures.

- e. Where applicable, consider alternatives to new infrastructure, such as distance learning.

The College discontinued operations at its North Campus, this campus was sold in June 2023. This will provide annual cost savings of more than \$400,000. Additionally, the College is looking to sell and lease back space at its Lenawee Co. campus. This will relieve the institution of long-term deferred maintenance costs, as well as facilities upgrades and maintenance staffing.

Additionally, Jackson College has created Jackson College Global which is a significant investment in resources, capital, people, and infrastructure to upscale our online and distance learning operations.

Identify a maintenance schedule for major maintenance items more than \$1,000,000 for fiscal year 2025 through fiscal year 2029. Please see attached spreadsheet. The major maintenance initiative that would be more than \$1M in a fiscal year would be roadway and parking lot repairs of \$1,250,000 in 2025-2026.

- f. Identify the amount of non-routine maintenance the institution has budgeted for in its current fiscal year and relevant sources of financing.

The College has several funding sources for non-routine maintenance. This number is demonstrated on the five-year master plan from major maintenance plant funds we hold in fund balance. Additionally, the College holds funds (\$1,824,000) for life safety and emergency repairs, as well as general operating budget support for most day-to-day expenditures for operating facilities. The plant fund consists of fund transfers annually from the general fund of 4.5% per board policy to be used for deferred and capital renovation and construction. Additionally, private donations and grants are also usually received for specific building projects and initiatives.

Specifically, the College is planning several capital projects for the 2024-25 Fiscal Year.

The College is building a Multi-Purpose Facility. The 39,000sf MPF will be built as an air supported structure, will be completed in 2024 and is estimated to cost \$4.5M. This will be funded through college plant set aside funds, and institutionally restricted funds, as well as private donations.

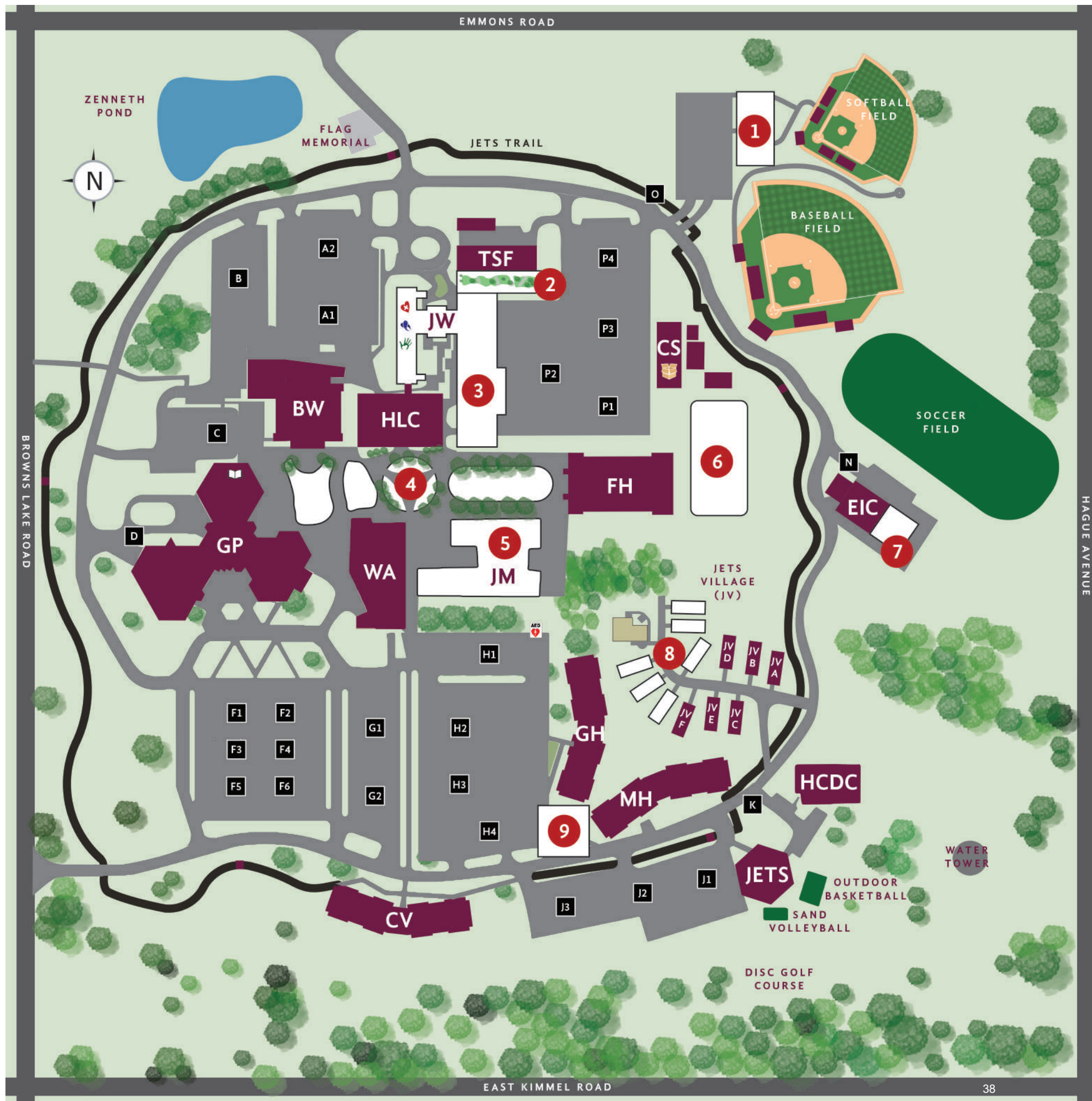
The College has seen demand for its Tiny Homes increase dramatically, with an ever-growing waiting list. The College is planning on adding six more tiny homes to its existing portfolio at a cost of around \$2.8M. This will be funded through gifts, grants, existing plant set asides, housing set asides as well as rent payments.

The College is in the process of upgrading several items in the Baughman Theatre. The theatre lighting is being replaced with a completely new LED hybrid system because of a fire in the Potter Center. This is expected to cost \$700,000 with partial funding from the insurance company and partial funding from College plant funds and set asides. Additionally, fire suppression for the audience and stage areas will be replaced in 2024 as part of additional work being done to the theatre. The additional scope includes new seating, and new carpeting which are being funded through a private donation.

The College is planning on replacing the fire suppression heads in the Scheffer Music Hall. This 1375 seat performing arts center has not had the heads replaced, and they are reaching the end of their useful life span as they were installed over 40 years ago. Cost is estimated to be \$500,000 +/- based on early bids. The project is scheduled to be completed in the fiscal year.

Jackson College
Fiscal Year 2024 - 2029
Facilities Plan

Building	Projects	Estimated Cost
Remaining Fiscal Year 2023-24		
Various	Misc. Building and Site Repairs	(100,000)
Central Campus	Air Supported Structure - Multipurpose Facility	(3,172,141)
Central Campus	Astronomy Observatory	(67,593)
Central Campus	Jets Pavilion	(61,593)
Central Campus	Campus Building Roof Repairs	(500,000)
Central Campus	Potter Center Fire - Dampers	(60,000)
Central Campus	Potter Center Fire - Stage Lighting	(700,000)
Central Campus	Potter Center Fire - Supression Systems	(210,000)
Central Campus	Potter Center Fire - Transformer	(40,000)
Central Campus	Central Campus GIS / Topo / Utility	(40,000)
Central Campus	Stormwater Mgmt Plan/Retention Pond	(37,321)
Central Campus	Dahlem connector Browns Lake Rd	(380)
Central Campus	Shipping & Receiving	(22,782)
Central Campus	Phase 3 Exterior Signage	(15,500)
Central Campus	Maroon Hall Repairs (Paint, Windows, Trim)	(127,279)
Central Campus	TSF Exterior Spaces	(798,003)
Central Campus	Howser Child Development Center Improvements	(98,962)
Central Campus	JPEC Parking Lot	(530,384)
Central Campus	Nature trail with pond view	(151,148)
Central Campus	EV Chargers	(45,268)
Central Campus	Steam Factory Improvements	(14,481)
Central Campus	Automotive Building Roof Repair - STEAM	(530,000)
Central Campus	Baughman Theater Repairs, Seating, Lighting	(256,278)
Central Campus	UVC Air Purification Installation	(28,000)
	Insurance, Gift Support	656,000
	06.30.24 Year-End Transfer	3,162,654
	Projected Balance 06.30.24	(3,788,459)
Fiscal Year 2024-25		
Various	Misc. Building and Site Repairs	(150,000)
Central Campus	General Campus Roof Repairs	(500,000)
Central Campus	Health Simulation Center Retrofit	(2,000,000)
	BSN Special Allocation	2,000,000
	06.30.25 Year-End Transfer	2,587,372
	Projected Balance 06.30.25	1,937,372
Fiscal Year 2025-26		
Central Campus	North/south Beltway & Parking Lots at Fieldhouse	(1,250,000)
Central Campus	Campus Mall	(3,000,000)
Various	Misc. Building and Site Repairs	(100,000)
	06.30.26 Year-End Transfer	2,778,833
	Projected Balance 06.30.26	\$ (1,571,167)
Fiscal Year 2026-27		
Central Campus	McDivitt Hall Capital Outlay Project (\$45M)	(45,000,000)
Central Campus	Campus Mall	(3,600,000)
Various	Misc. Building and Site Repairs	(100,000)
Central Campus	Roof Repairs	(300,000)
	Debt Service for Capital Outlay	22,500,000
	Capital Outlay Funding	22,500,000
	06.30.27 Year-End Transfer	3,977,899
	Projected Balance 06.30.27	\$ (22,101)
Fiscal Year 2027-28		
Various	Misc. Building and Site Repairs	(100,000)
Central Campus	Roof Repairs	(900,000)
Central Campus	Lighted Soccer Field	(3,000,000)
Central Campus	Justin Whiting Hall Capital Outlay Project	(50,500,000)
	Debt Service Capital Outlay	25,250,000
	Capital Outlay Funding	25,250,000
	06.30.28 Year-End Transfer	2,500,000
	Projected Balance 06.30.28	\$ (1,500,000)
Fiscal Year 2028-29		
	06.30.29 Year-End Transfer	2,500,000
	Projected Balance 06.30.29	\$ 2,500,000



CAMPUS BUILDINGS

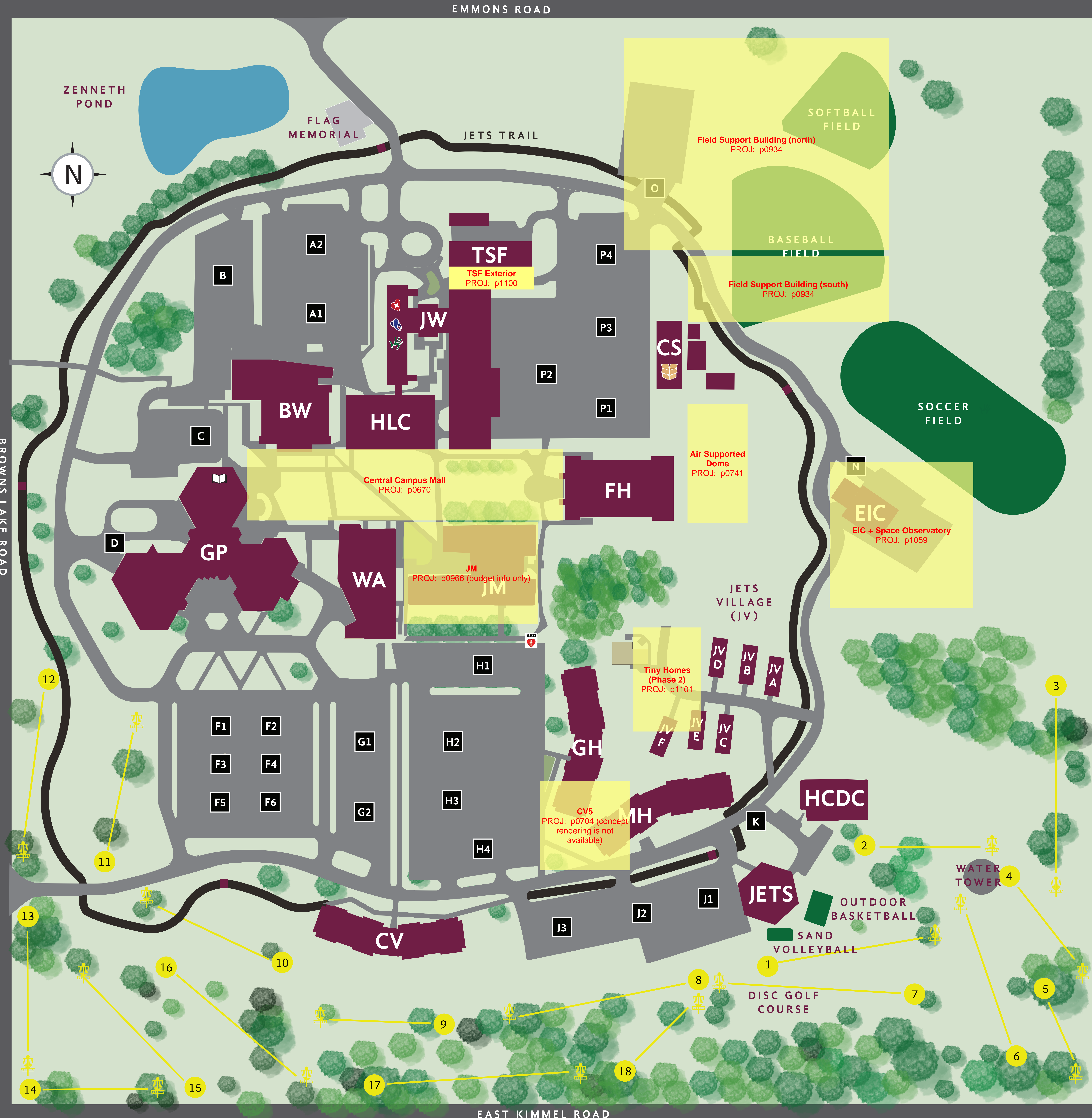
BW	Bert Walker Hall
CS	Campus Services
CV	Campus View
EIC	Education Innovation Center
FH	Victor Cuiss Fieldhouse
GH	Gold Hall
GP	George E. Potter Center
HCDC	Howser Child Development Center
HLC	Health Laboratory Center
JETS	Jets Hangar (Subway)
JM	James McDivitt Hall
JV	Jets Village
JW	Justin Whiting Hall
MH	Maroon Hall
TSF	The Steam Factory
WA	William Atkinson Hall

SYMBOLS

	Jets Store		Oasis Mental Health Clinic
	Dental Clinic		Parking Lot Identifier
	Health Clinic		Shipping & Receiving

FUTURE EXPANSION SITES

- 1** Athletic Support Building & Parking
- 2** The Steam Factory Exterior
- 3** Justin Whiting Hall Expansion
- 4** Central Campus Mall
- 5** James McDivitt Hall Expansion
- 6** Air Supported Dome
- 7** Education Innovation Center + Space Observatory
- 8** Tiny Homes (Phase II)
- 9** Expanded Housing



CAMPUS BUILDINGS

BW	Bert Walker Hall
CS	Campus Services
CV	Campus View
EIC	Education Innovation Center
FH	Victor Cuiss Fieldhouse
GH	Gold Hall
GP	George E. Potter Center
HCDC	Howser Child Development Center
HLC	Health Laboratory Center
JETS	Jets Hangar (Subway)
JM	James McDivitt Hall
JV	Jets Village
JW	Justin Whiting Hall
MH	Maroon Hall
TSF	The Steam Factory
WA	William Atkinson Hall

SYMBOLS

	AED Machine
	Jets Store
	Dental Clinic
	Health Clinic
	Oasis Mental Health Clinic
	Parking Lot Identifier
	Shipping & Receiving

Jets Trail
Jackson College

The Jets Trail, a walking and fitness trail, was created to provide Jackson College students, employees and community members a safe place to enjoy nature, have conversations, build relationships and become healthier.

1. The Jets Trail is open to Jackson College students, staff and the general public seven days a week from dawn to dusk.
2. Children (under the age of 18) must be supervised at all times.
3. Jackson College is a non-smoking, weapon-free campus. Please refrain from using alcohol or illegal drugs while on campus.
4. The use of: low-speed electric-assist bicycles, e-scooters, hoverboards and other motorized devices are not permitted. Use of motorized wheelchairs or other power-driven mobility devices are encouraged. Both roller skating and rollerblading are permitted on the trail. All skaters should obey the same rules as bicyclists (see #5). Skateboards are not permitted on the Jets Trial.
5. Bicyclists should: always pass on the left, wear a helmet if under 18, obey all traffic signs and watch for car traffic, particularly where the trail crosses the road, ride in single file and stay on the paved trail.
6. Please pick up after yourself (do not litter) and your pets (pet waste receptacles and bags are provided along the trail). Pets must be on a short leash while on the trail and the campus grounds.
7. Don't disturb wildlife and local vegetation.
8. If you have problems while using the trail please call 517.796.8620. Call 911 if you have a medical emergency

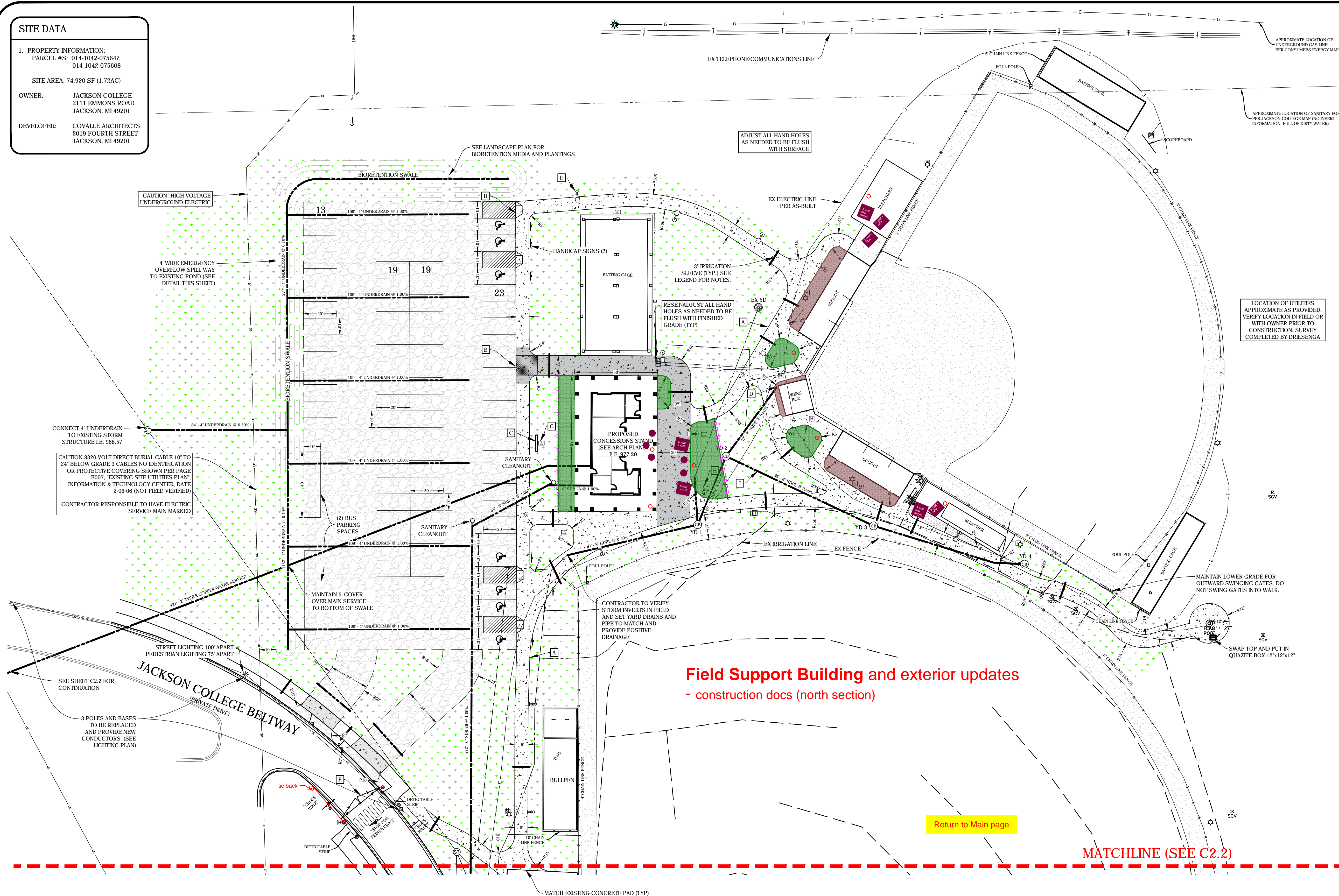
Disc Golf
Jackson College

The Disc Golf Course is an 18-hole course, created to provide Jackson College students, employees and community members a place to play the growing sport of disc golf.

1. The Disc Golf course is open to College students, staff and the general public seven days a week from dawn to dusk.
2. Rules of playing the game are displayed on the sign at the head of the course.
3. Pick up after yourself, do not litter.
4. If you have problems while using the trail please call 517.796.8620. Call 911 if you have a medical emergency

SITE DATA

1. PROPERTY INFORMATION:
 PARCEL #S: 014-1042-075642
 014-1042-075608
 SITE AREA: 74,920 SF (1.72AC)
 OWNER: JACKSON COLLEGE
 2111 EMMONS ROAD
 JACKSON, MI 49201
 DEVELOPER: COVALL ARCHITECTS
 2019 FOURTH STREET
 JACKSON, MI 49201



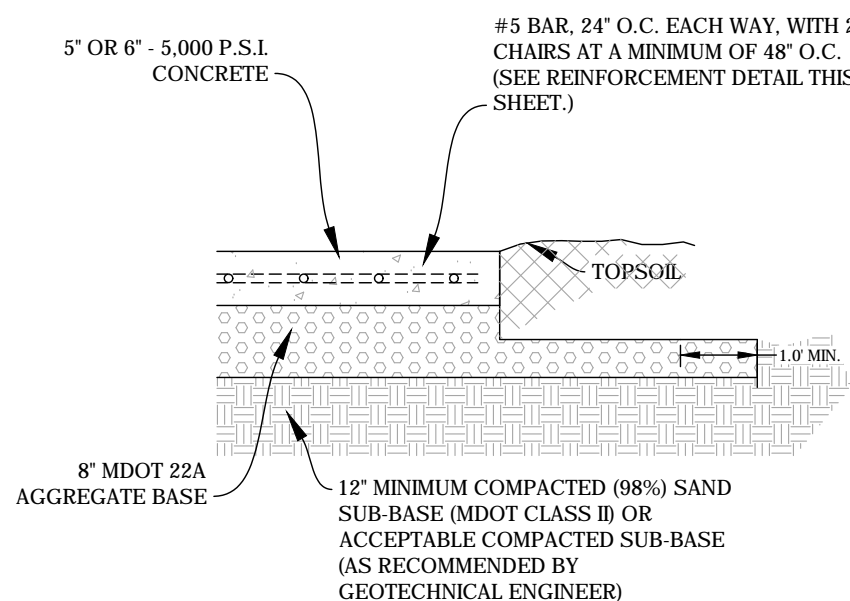
SITE PLAN NOTES

- A 8" WIDE SIDEWALK (SEE DETAIL THIS SHEET)
- B AT-GRADE RAMP (SEE GRADING PLAN).
- C FUTURE BUILDING ID SIGN
- D DOWNSPOUT (TYP.)
- E PEDESTRIAN PATHWAY LIGHTING FIXTURE (TYP.) SEE LIGHTING PLAN FOR DETAILS. SEE LIGHTING PLAN FOR DETAILS.
- F HEAVY DUTY DOUBLE SWING GATE (REVIEW DESIGN WITH OWNER) W/ (2) TIE BACK POSTS. OWNER RESPONSIBLE FOR APPROVAL BY ALTS.
- G PROPOSED ELECTRIC FOR FUTURE SIGN.
- H PROPOSED ELECTRIC RECEPTACLE (TYP.).
- I PROPOSED STORM RELOCATION.

Field Support Building and exterior updates
 - construction docs (north section)

Return to Main page

MATCHLINE (SEE C2.2)



PLANS PREPARED BY:



DRAWN: ck
 CHECKED: ASR

NO.	DATE	BY	ISSUED FOR:
0	07/22/22	ck	ISSUED FOR BIDS
1			
2			
3			
4			

NORTH SITE AND UTILITY LAYOUT
 JACKSON COLLEGE CONCESSIONS
 COVALL GROUP ARCHITECTS
 2111 EMMONS ROAD
 SECTION 35, T3S, R1W

SHEET TITLE:
 PROJECT:
 CLIENT:
 SITE ADDRESS:
 SITE SECTION:

JOB NUMBER
 22089009

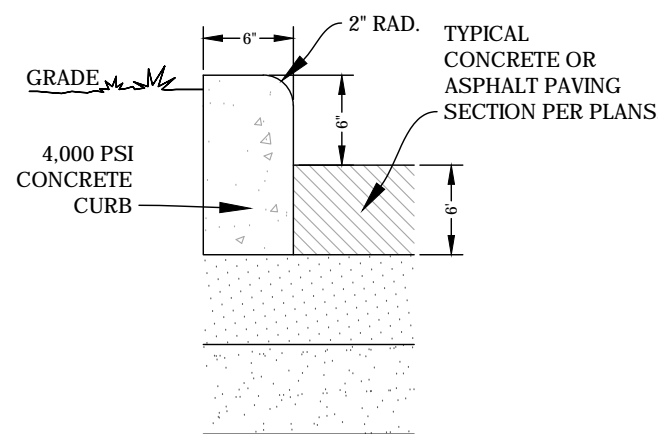
DATE
 07/22/2022

SHEET NUMBER

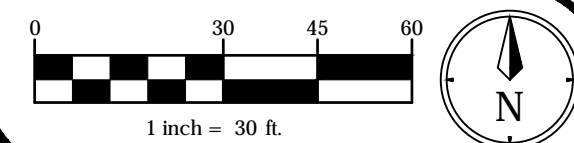
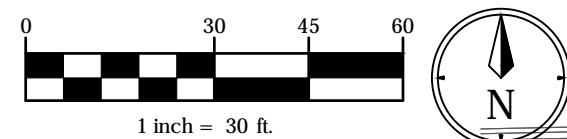
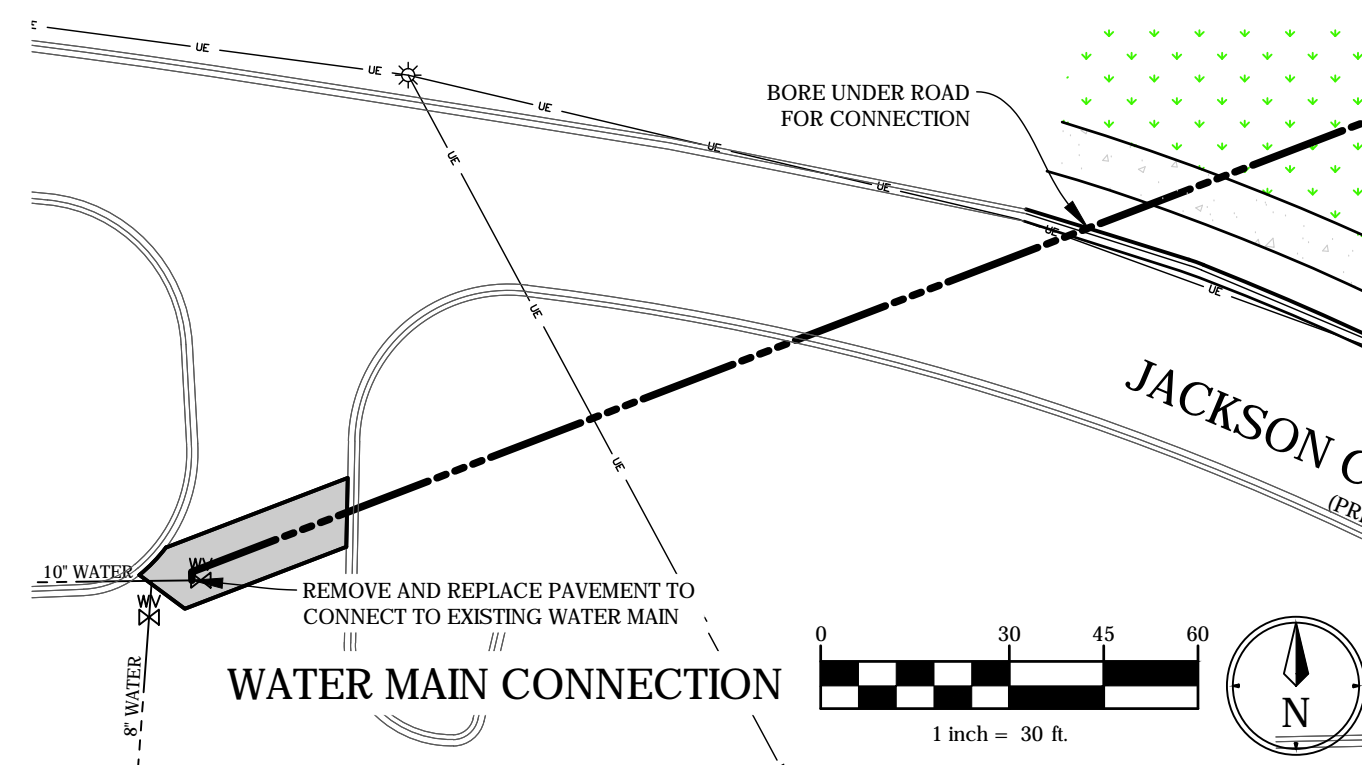
C2.1

SITE DATA

1. PROPERTY INFORMATION:
 PARCEL #S: 014-1042-075642
 014-1042-075608
 SITE AREA: 74,920 SF (1.72AC)
 OWNER: JACKSON COLLEGE
 2111 EMMONS ROAD
 JACKSON, MI 49201
 DEVELOPER: COVALL ARCHITECTS
 2019 FOURTH STREET
 JACKSON, MI 49201



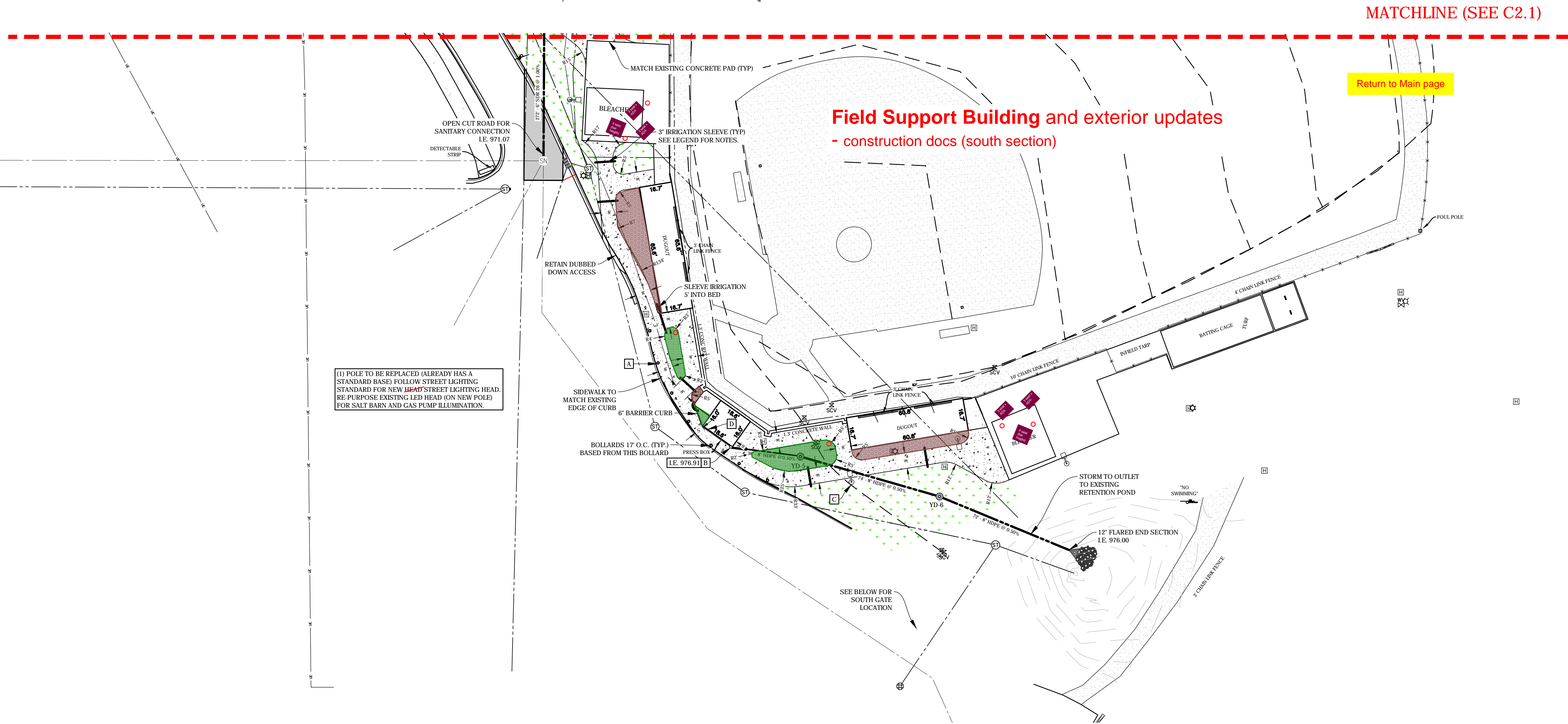
BARRIER CURB DETAIL
 C2.2 - 030106
 NOT TO SCALE



PLANS PREPARED BY:



DRAWN: ck
 CHECKED: ASR



(1) POLE TO BE REPLACED (ALREADY HAS A STANDARD BASE) FOLLOW STREET LIGHTING STANDARD FOR NEW BEAD STREET LIGHTING HEAD. BE PURPOSE EXISTING LED HEAD (ON NEW POLE) FOR SALT BARN AND GAS PUMP ILLUMINATION.

LEGEND

- 6" REINFORCED CONCRETE SIDEWALK (SEE DETAIL ON SHEET C2.1)
- 5" REINFORCED CONCRETE SIDEWALK (SEE DETAIL ON SHEET C2.1)
- 4" NON-REINFORCED CONCRETE SIDEWALK (SEE DETAIL ON SHEET C2.1)
- 6" GRAVEL PARKING LOT (SEE DETAIL ON SHEET C2.1)
- EXISTING CONCRETE
- ENHANCED LANDSCAPING (TREES, MEDIUM SHRUBS, PERENNIALS, STONE MULCH)
- BASIC LANDSCAPING (SMALL SHRUBS, PERENNIALS, STONE MULCH)
- HYDROSEED LAWN ON 4" TOPSOIL. SCREEN ONSITE STOCKPILE PRIOR TO USING AS TOPSOIL BASE.
- 3" IRRIGATION SLEEVE
 - * SCHEDULE 30 UNDER WALKS
 - * SCHEDULE 40 UNDER DRIVES
 - 12" TO TOP OF PIPE FROM TOP OF WALK BOTH ENDS EXTENDED 12" FROM EDGE OF WALK/DRIVE (U.N.O.) CAP ENDS
- HMA PAVEMENT

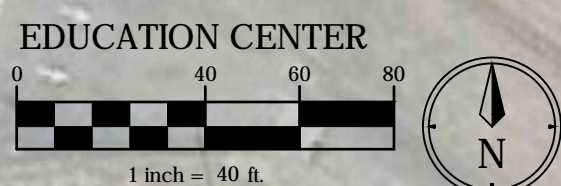
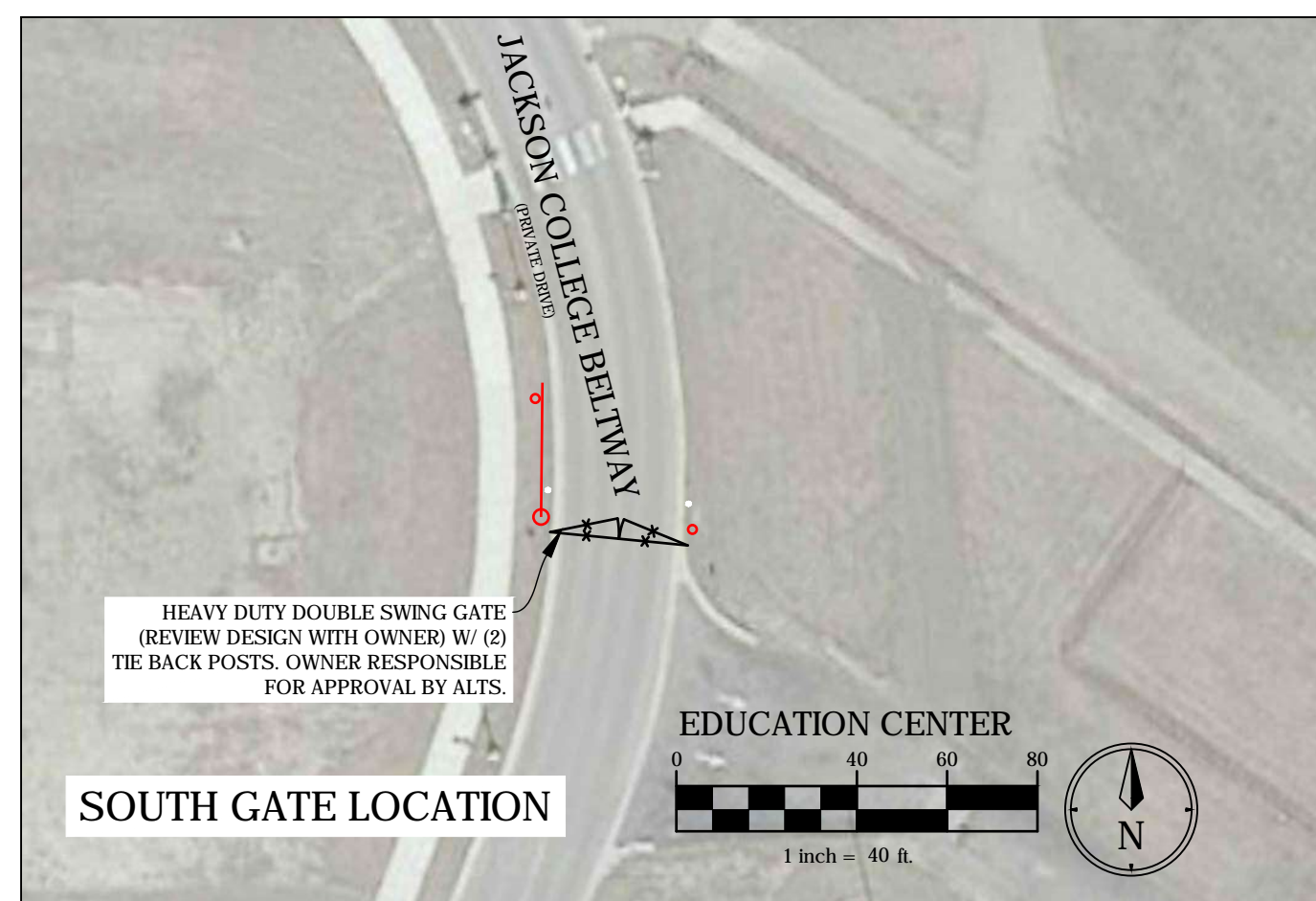
SITE PLAN NOTES

- [A] (7) NEW SCHEDULE 40 STEEL BOLLARDS. SLEEVE WITH 1/4" THICK H.D. YELLOW HDPE COVERS.
- [B] EXISTING DOWNSPOUT (TYP.)
- [C] PEDESTRIAN PATHWAY LIGHTING FIGURE (TYP.) SEE LIGHTING PLAN FOR DETAILS.
- [D] 6" BARRIER CURB ALONG FOUNDATION (SEE DETAIL THIS SHEET)

STORM STRUCTURE

YD-5, ADS NYLOPLAST 12" IN-LINE DRAIN WITH DOMED COVER
 RIM = 980.01
 8" HDPE NW 976.73
 8" HDPE SE 976.73

YD-6, ADS NYLOPLAST 12" IN-LINE DRAIN WITH DOMED COVER
 RIM = 980.29
 8" HDPE NW 976.36
 8" HDPE SE 976.36



GENERAL NOTES

- DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS BECOME APPARENT, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
- ALL CURB RADII AND DIMENSIONS ARE TO FACE OF CURB. CURB TO BE PROVIDED WHERE SHOWN AND INTEGRAL WITH SIDEWALK AT PAVING EDGE.
- SLOPE GRADES UNIFORMLY BETWEEN ELEVATIONS SHOWN. NOMINAL GRADING, SLOPE SIDEWALKS AWAY FROM BUILDING AT 1/4" PER FOOT ON ENTRY WALK.



ALL UTILITIES AS SHOWN ARE APPROXIMATE LOCATIONS DERIVED FROM ACTUAL MEASUREMENTS AND AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE EXACT LOCATION NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THE AREA. FIELD WORK PERFORMED BY: DRIESSENGA & ASSOCIATES, INC.

SOUTH SITE AND UTILITY LAYOUT
 JACKSON COLLEGE CONCESSIONS
 COVALL GROUP ARCHITECTS
 2111 EMMONS ROAD
 SECTION 35, T3S, R1W

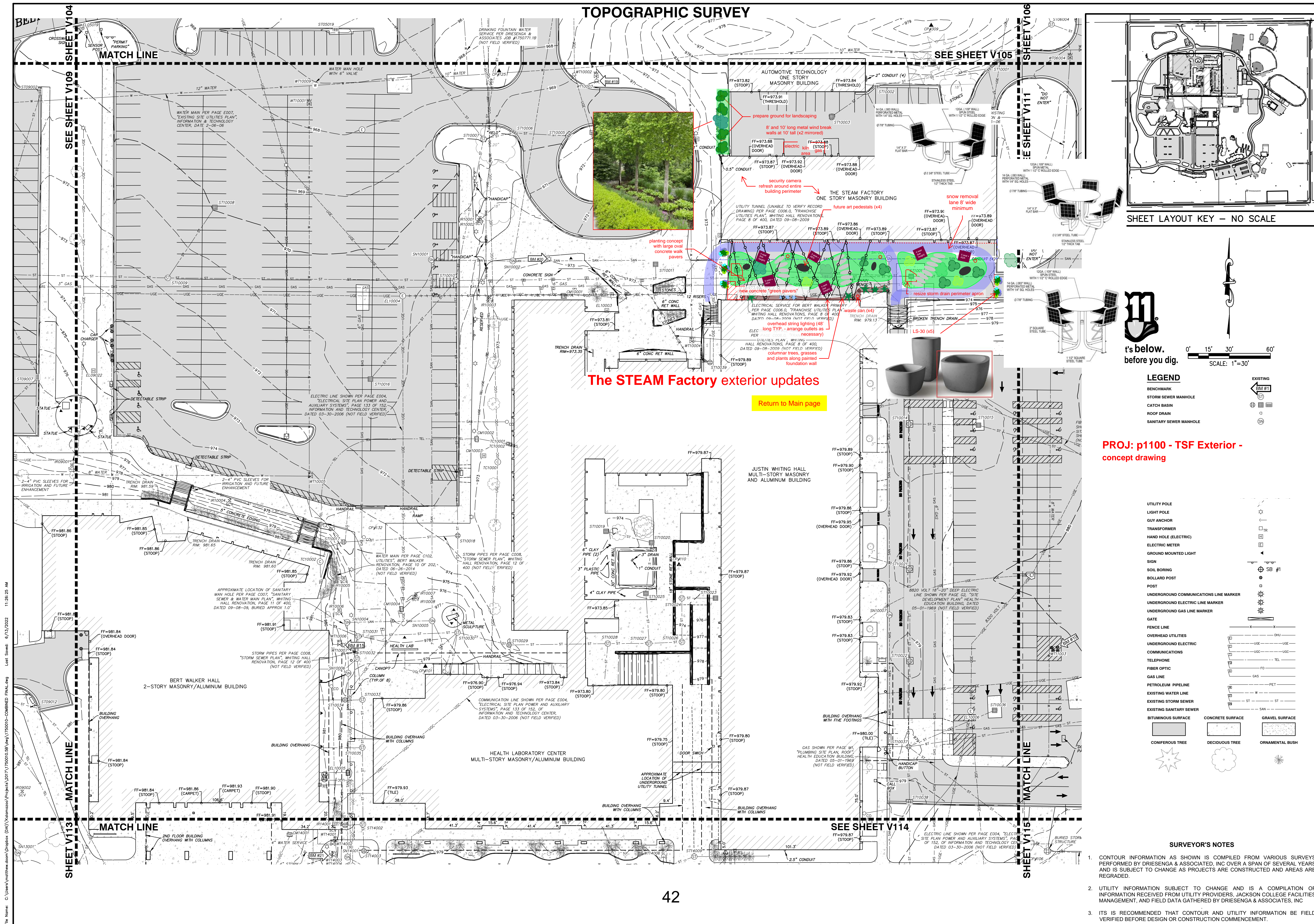
SHEET TITLE:
 PROJECT:
 CLIENT:
 SITE ADDRESS:
 SITE SECTION:

JOB NUMBER
22089009

DATE
07/22/2022

SHEET NUMBER

C2.2



SITE DATA

1. PROPERTY INFORMATION:
PARCEL #s: 000-13-35-301-015-00
000-13-34-476-029-07


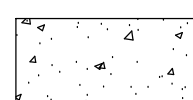
OWNER: JACKSON COMMUNITY COLLEGE
2111 EMMONS RD
JACKSON, MI 49203

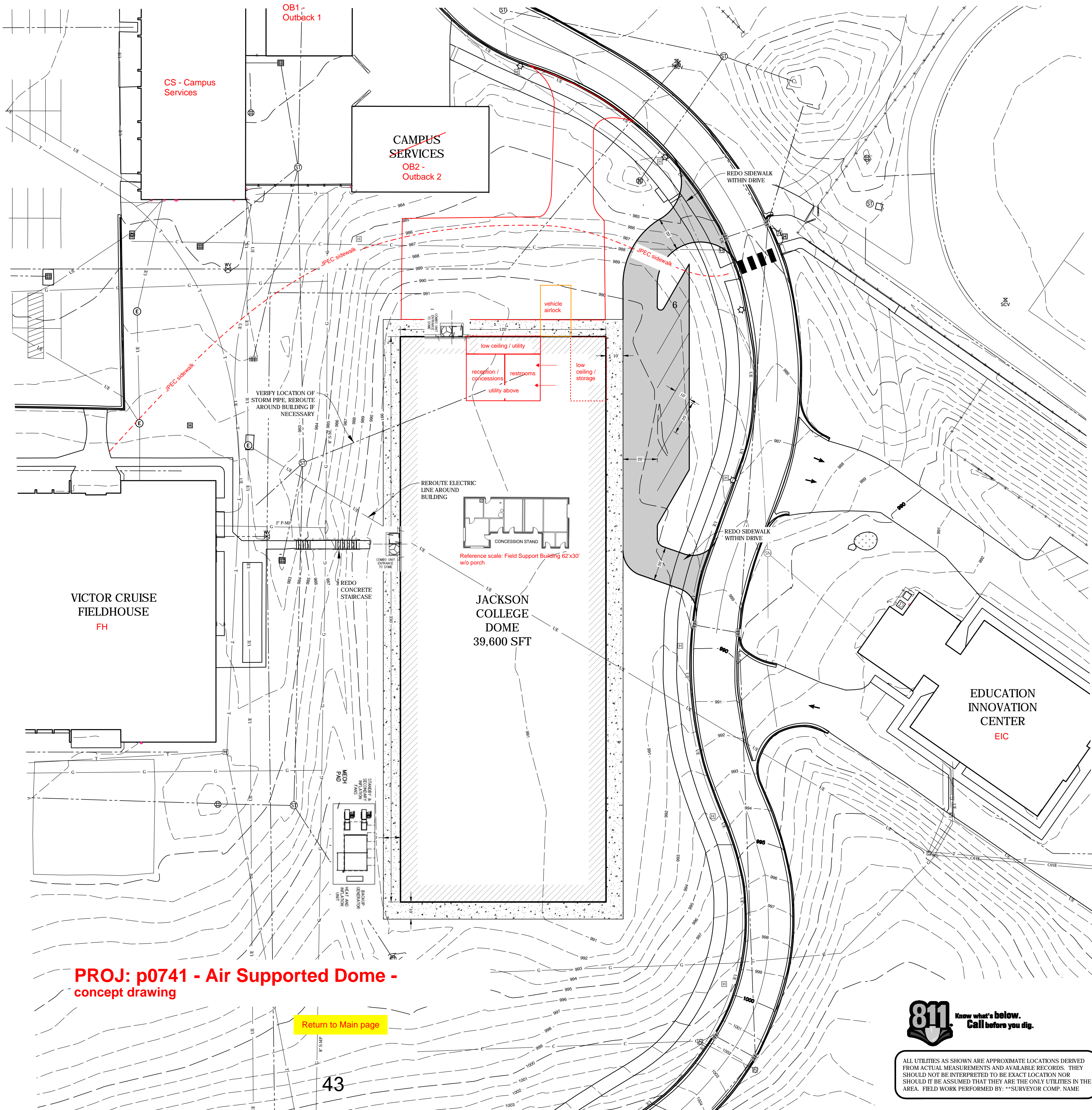
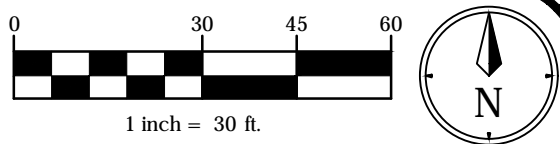
ARCHITECT: COVALL GROUP
2019 4TH ST
JACKSON, MI 49203

GENERAL NOTES

- DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS BECOME APPARENT, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
- ALL CURB RADI AND DIMENSIONS ARE TO FACE OF CURB. CURB TO BE PROVIDED WHERE SHOWN AND INTEGRAL WITH SIDEWALK AT PAVING EDGE.
- SLOPE GRADES UNIFORMLY BETWEEN ELEVATIONS SHOWN. NOMINAL GRADING. SLOPE SIDEWALKS AWAY FROM BUILDING AT 1/4" PER FOOT ON ENTRY WALK.

LEGEND

-  LIGHT DUTY PAVEMENT
(SEE DETAIL ON C5.0)
-  CONCRETE PAVEMENT AND SIDEWALK
(SEE DETAIL ON C5.0)



PROJ: p0741 - Air Supported Dome -
concept drawing

Return to Main page



ALL UTILITIES AS SHOWN ARE APPROXIMATE LOCATIONS DERIVED FROM ACTUAL MEASUREMENTS AND AVAILABLE RECORDS. THEY SHOULD NOT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THE AREA. FIELD WORK PERFORMED BY: **SURVEYOR COMP. NAME

PLANS PREPARED BY:



DRAWN: ar
CHECKED: ASR

No.	DATE	BY	ISSUED FOR:
0	10/07/2022	ck	OWNER REVIEW
1			
2			
3			
4			

SITE LAYOUT
JACKSON COLLEGE DOME
COVALL GROUP ARCHITECTS
2111 EMMONS ROAD
SECTION 35, T3S, R1W

SHEET TITLE:
PROJECT:
CLIENT:
SITE ADDRESS:
SITE SECTION:

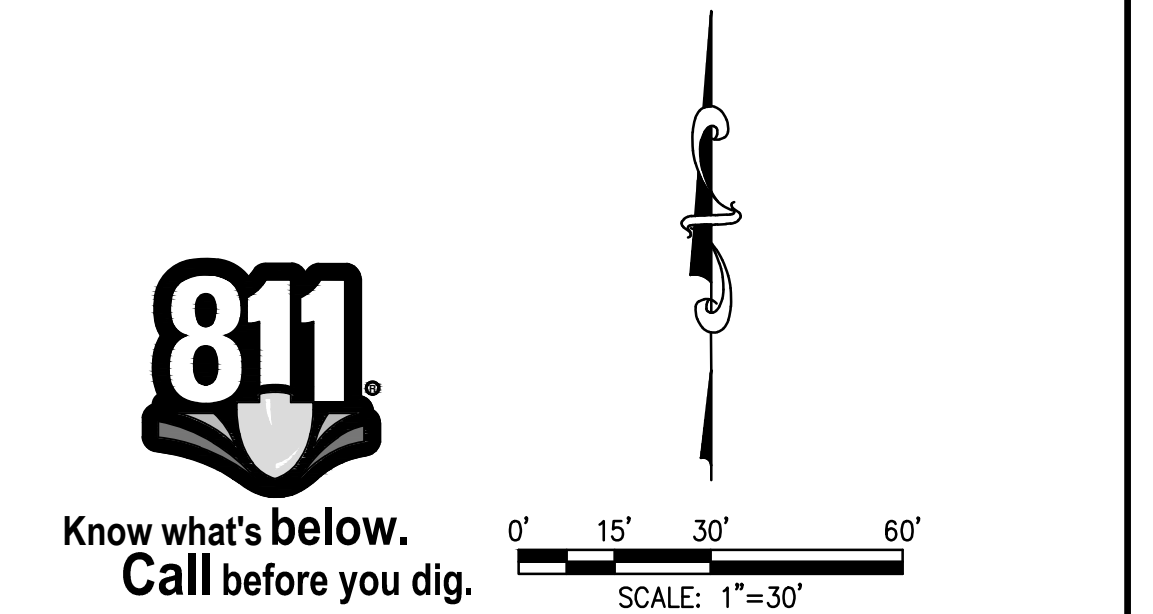
JOB NUMBER
22089011

DATE
10/07/2022

SHEET NUMBER

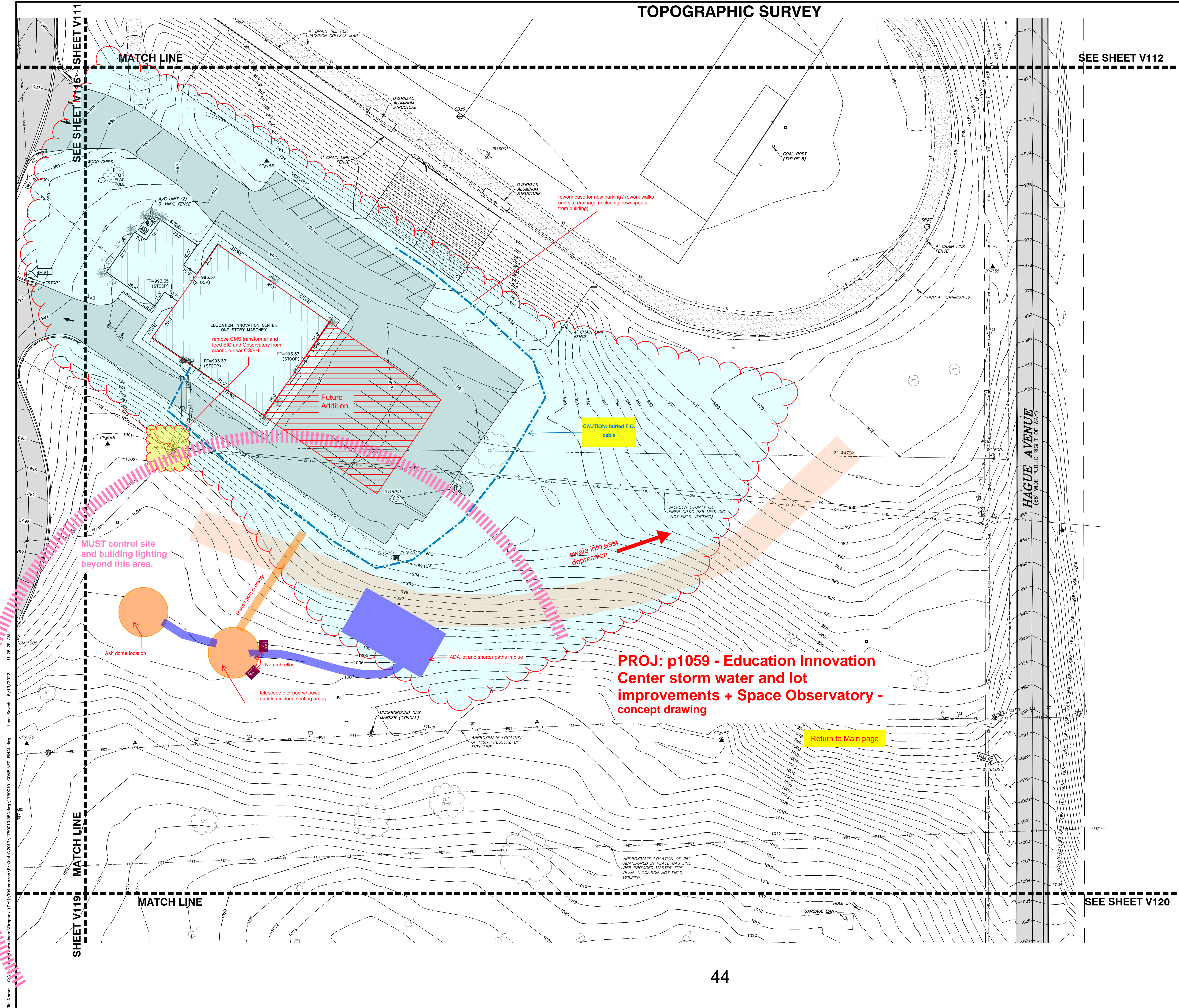
C2.0

44



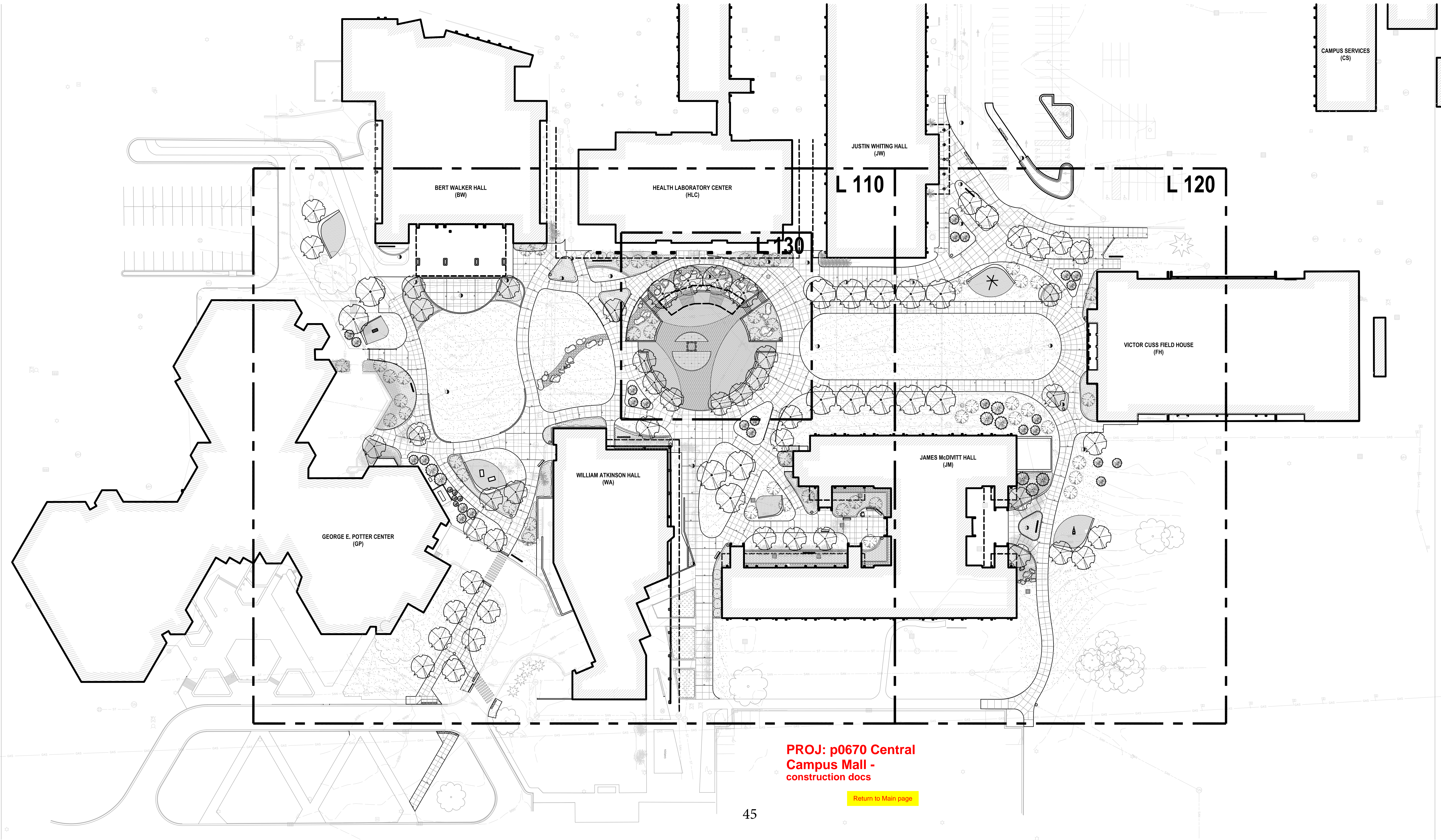
JACKSON COLLEGE
211 EMMONS ROAD
SECTION 35, T03S, R01W, SUMMIT TWP., JACKSON CO.
JACKSON COLLEGE
211 EMMONS ROAD JACKSON, MI 49201

Drawn By:	MJD
Scale:	1" = 30'
Date:	06-10-2022
Project #	1750010.5B
Sheet Title:	
TOPOGRAPHIC SURVEY	
Sheet #	
V-116	
17 of 25	



GENERAL NOTES

1. ALL LANDSCAPE FEATURE LOCATIONS SHALL BE ACCORDING TO THIS PLAN AND THE DIGITAL CAD FILE MADE AVAILABLE ON REQUEST.
2. FIELD CONDITIONS MAY REQUIRE SLIGHT MODIFICATIONS TO PROPOSED LANDSCAPE FEATURES. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IF/WHEN SUCH CONDITIONS ARE DISCOVERED BEFORE PROCEEDING WITH CONSTRUCTION.
3. ALL VEGETATIVE REMOVALS SHALL BE DISPOSED OF AND/OR RECYCLED PROPERLY OFF-SITE ACCORDING TO LOCAL AND STATE REQUIREMENTS.
4. SITE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL NECESSARY AND PROPERLY-SIZED UNDERGROUND SLEEVES WHEREVER UTILITIES RUN UNDERNEATH HARDSCAPE FEATURES (IE, IRRIGATION & ELECTRICAL). REFER TO CIVIL PLAN/DETAILS AND ELECTRICAL SITE PLAN FOR LOCATIONS. INSTALL MINIMUM ONE ADDITIONAL SLEEVE IN EACH TRENCH FOR EACH TYPE OF UTILITY & CAP/SEAL FOR FUTURE USE.
5. CALL "MISS DIG" AND HAVE EXISTING UTILITY LOCATIONS MARKED PRIOR TO ANY EXCAVATIONS OR INSTALLATIONS ON SITE.
6. EXISTING INFORMATION SHOWN HEREIN IS APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO ANY CONSTRUCTION ACTIVITY.
7. MATCH NEW WORK TO EXISTING ELEVATIONS. MAINTAIN POSITIVE SURFACE DRAINAGE IN ALL AREAS.
8. PROTECT ALL EXISTING TREES IDENTIFIED TO REMAIN. DO NOT STOCKPILE MATERIAL, PARK OR OPERATE EQUIPMENT WITHIN THE TREES' DRIP LINE / ROOT ZONE.
9. TOPSOIL AND SEED ALL STIPPLED AREAS AND DISTURBED AREAS CAUSED BY CONSTRUCTION, PER SPECIFICATIONS.
10. PHASING - ENTIRE PROJECT IS TO BE BROKEN UP INTO PHASES PER OWNER AND CM DIRECTION. EXTENTS OF EACH PHASE TO BE FINAL APPROVED BY OWNER PRIOR TO COMMENCING ANY WORK SHOWN HEREIN.
11. SCULPTURES - REMOVAL, SALVAGE, RESTORATION, STORAGE, AND FINAL RELOCATION OF EXISTING SCULPTURES TO BE APPROVED BY OWNER PRIOR TO COMMENCING ANY WORK SHOWN HEREIN, AND CONTINGENT UPON PHASING AS WELL (SEE PREVIOUS NOTE). EXISTING CONCRETE FOOTINGS OF REMOVED SCULPTURES SHALL BE USED AS GUIDES WHEN DETERMINING DESIGN (BY OTHERS) OF NEW CONCRETE FOOTINGS TO SUPPORT EACH SCULPTURE AT THEIR NEW LOCATION. FINAL PROPOSED CONCRETE FOOTING QUANTITY, DIMENSIONS, SPACING, AND ORIENTATION TO BE COORDINATED WITH AND APPROVED BY OWNER PRIOR TO REINSTALLATION. REFER TO ELECTRICAL DRAWINGS FOR POWER SUPPLY AND ELECTRICAL CONTROL STUBS AT EACH SCULPTURE SEATWALL AREA. FINAL LIGHTING FIXTURES, QUANTITIES, LOCATIONS, AND AIMING (BY OTHERS) TO BE APPROVED BY OWNER.



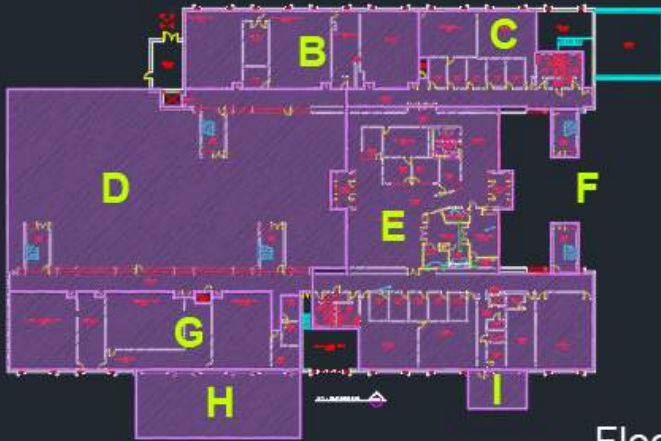
OVERALL SITE LANDSCAPE PLAN
SCALE: 1"=40' @ 30" x 42" FULL SIZE PLOT



0' 20' 40' 80' 160'
SCALE: 1" = 40'



Floor 2

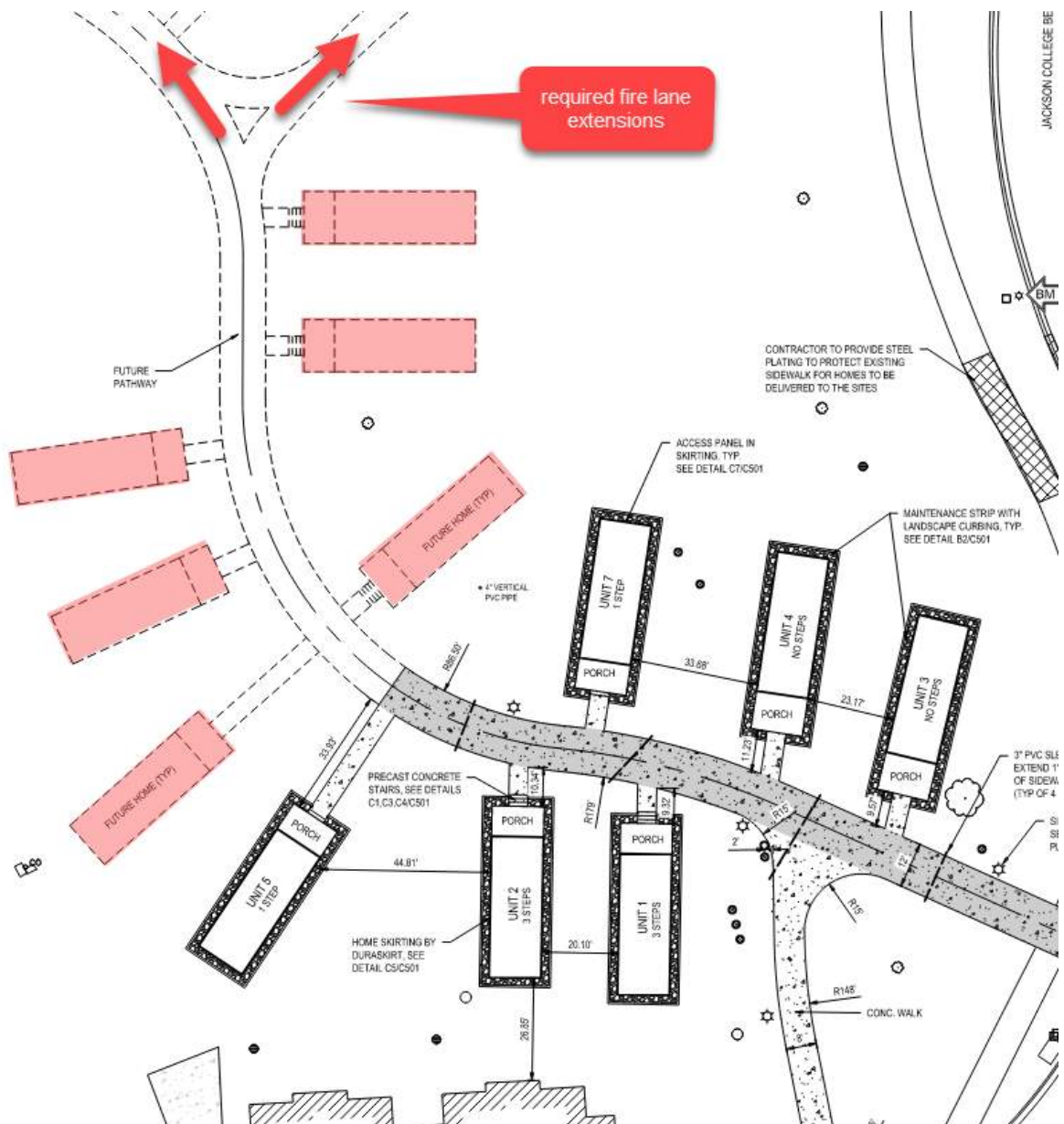


Floor 1



Floor 0

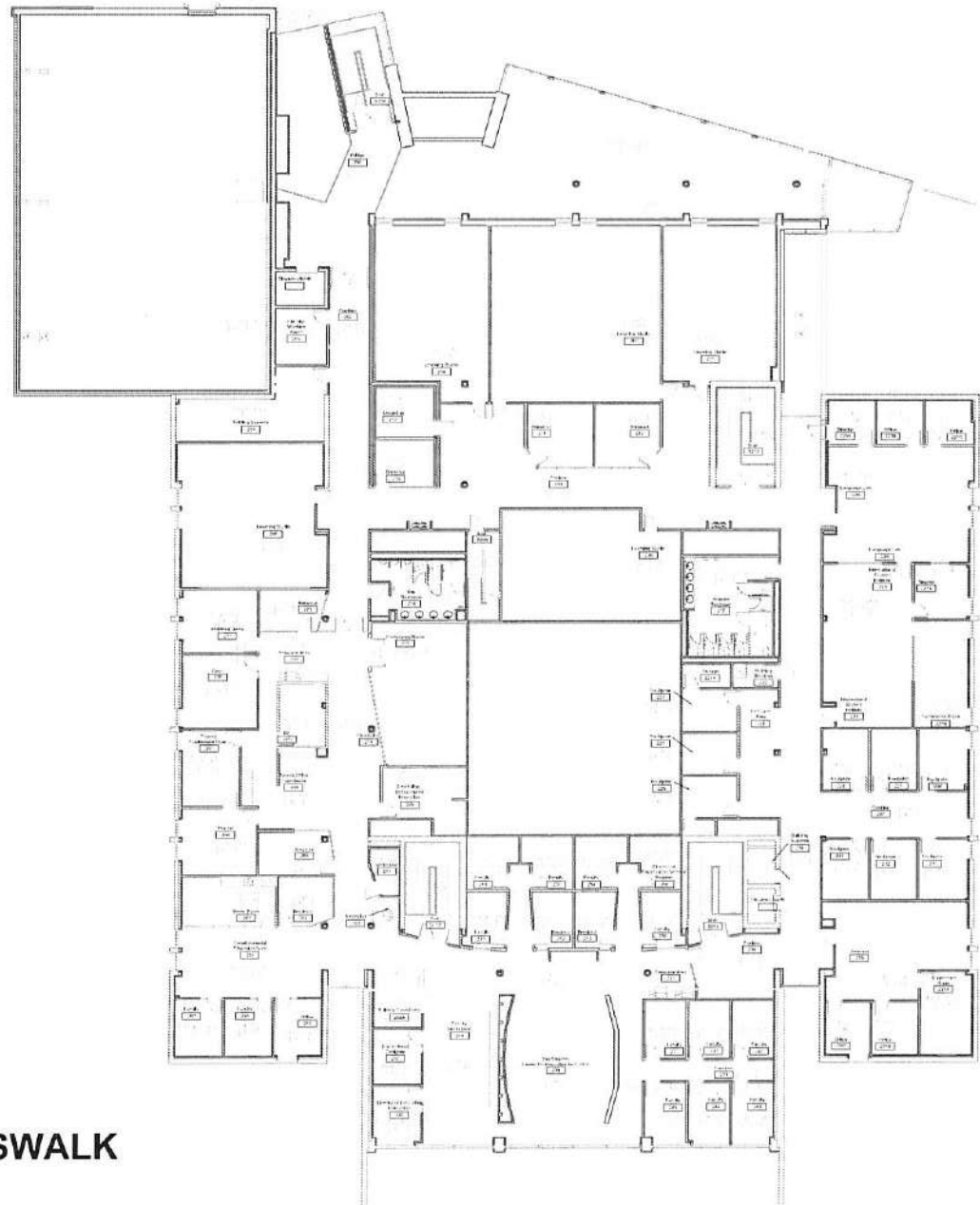
[Return to Main page](#)



PROJ: p1101 - Tiny Homes /
Family Housing (phase 2) -
placement concept (in red)

[Return to Main page](#)

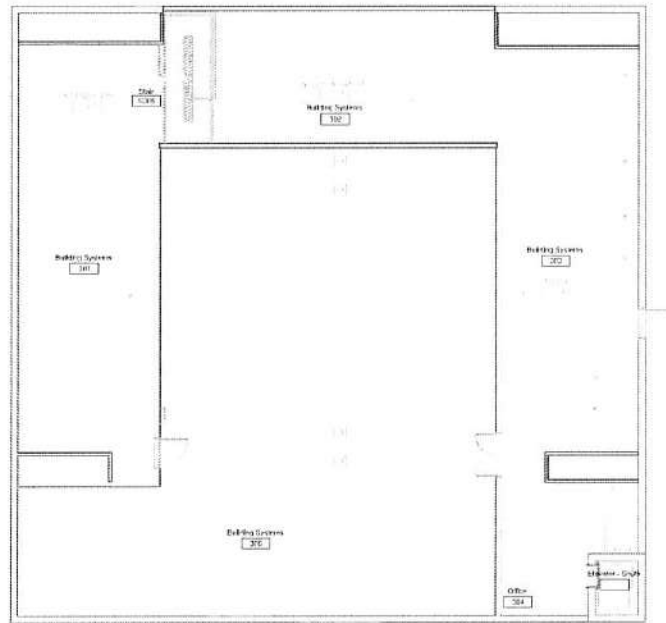
A-3



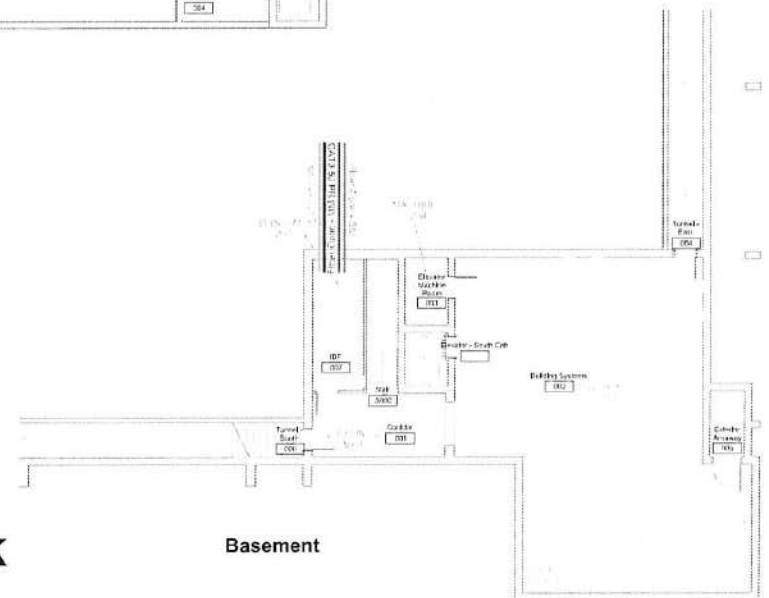
BW - 2nd Floor - ROOM NUMBER CROSSWALK

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

A-4



Penthouse



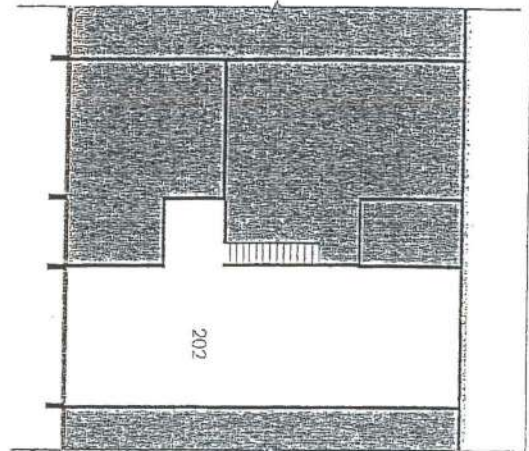
Basement



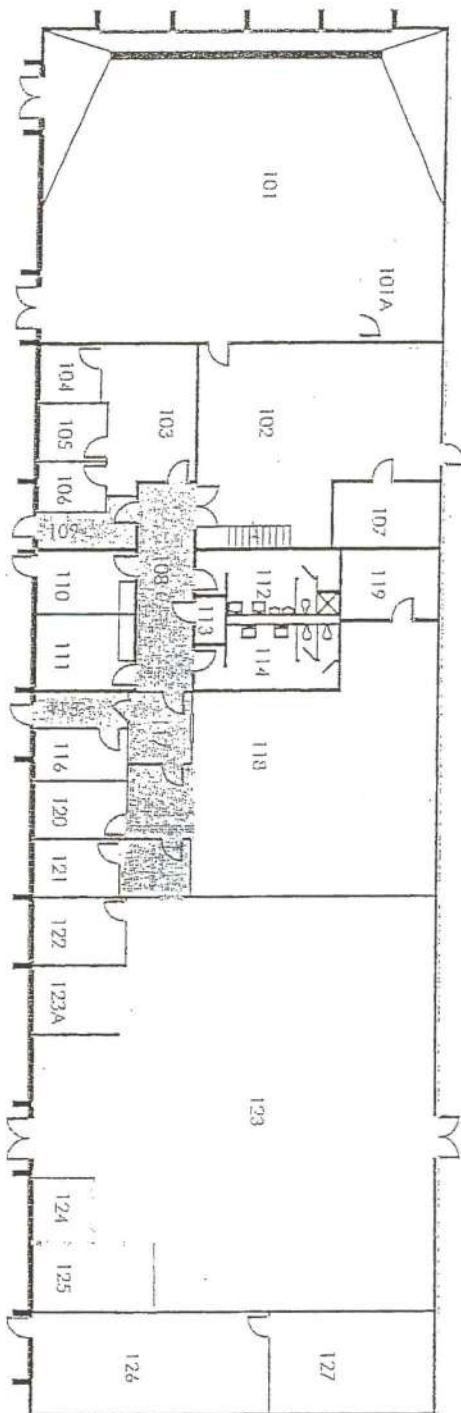
BW - Penthouse and Basement - ROOM NUMBER CROSSWALK

scale: 1/8" = 1'-0" | version: 23 | date: 08/05/2016 | PROJ: p0468

B-1



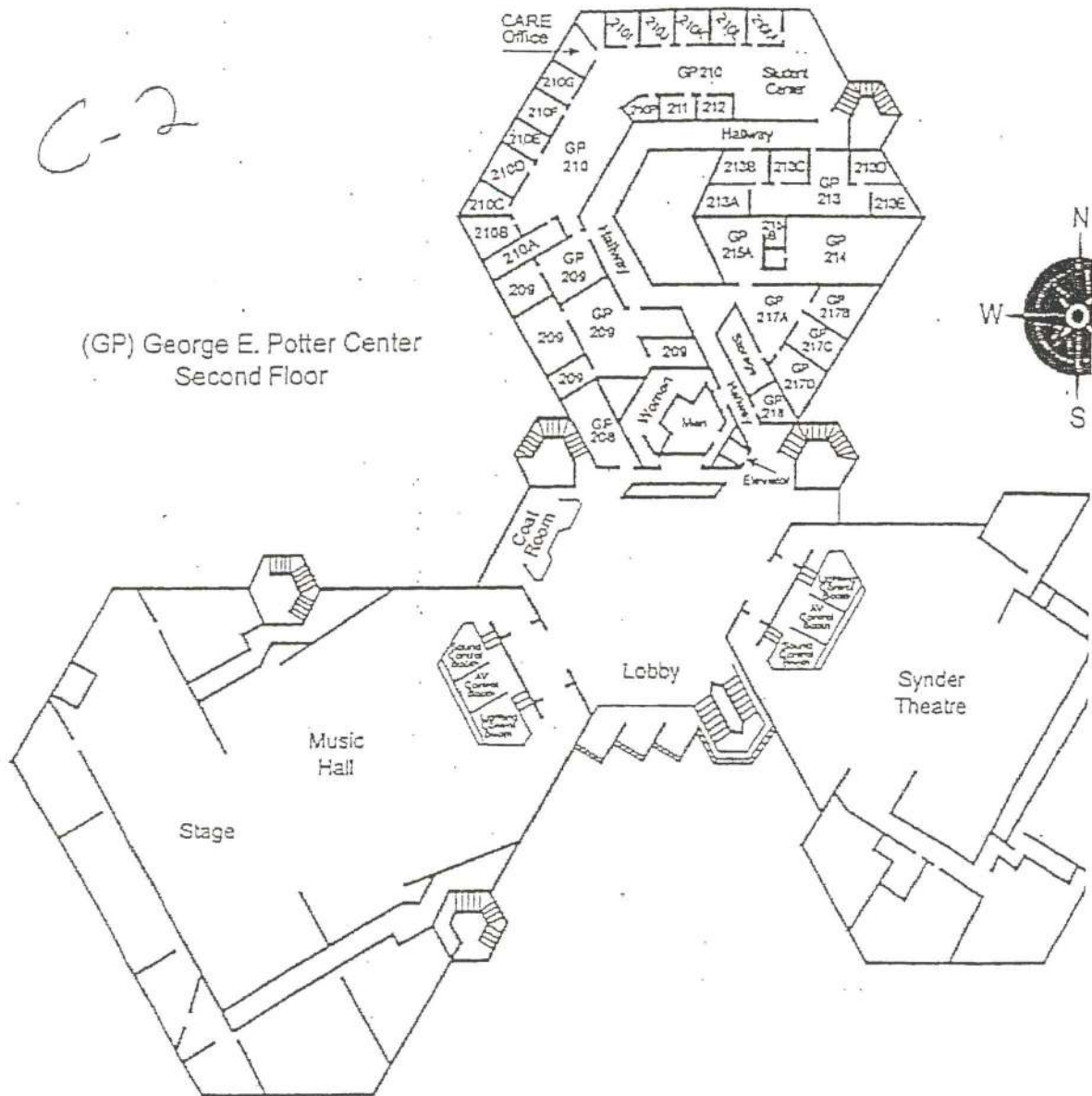
MEZZANINE

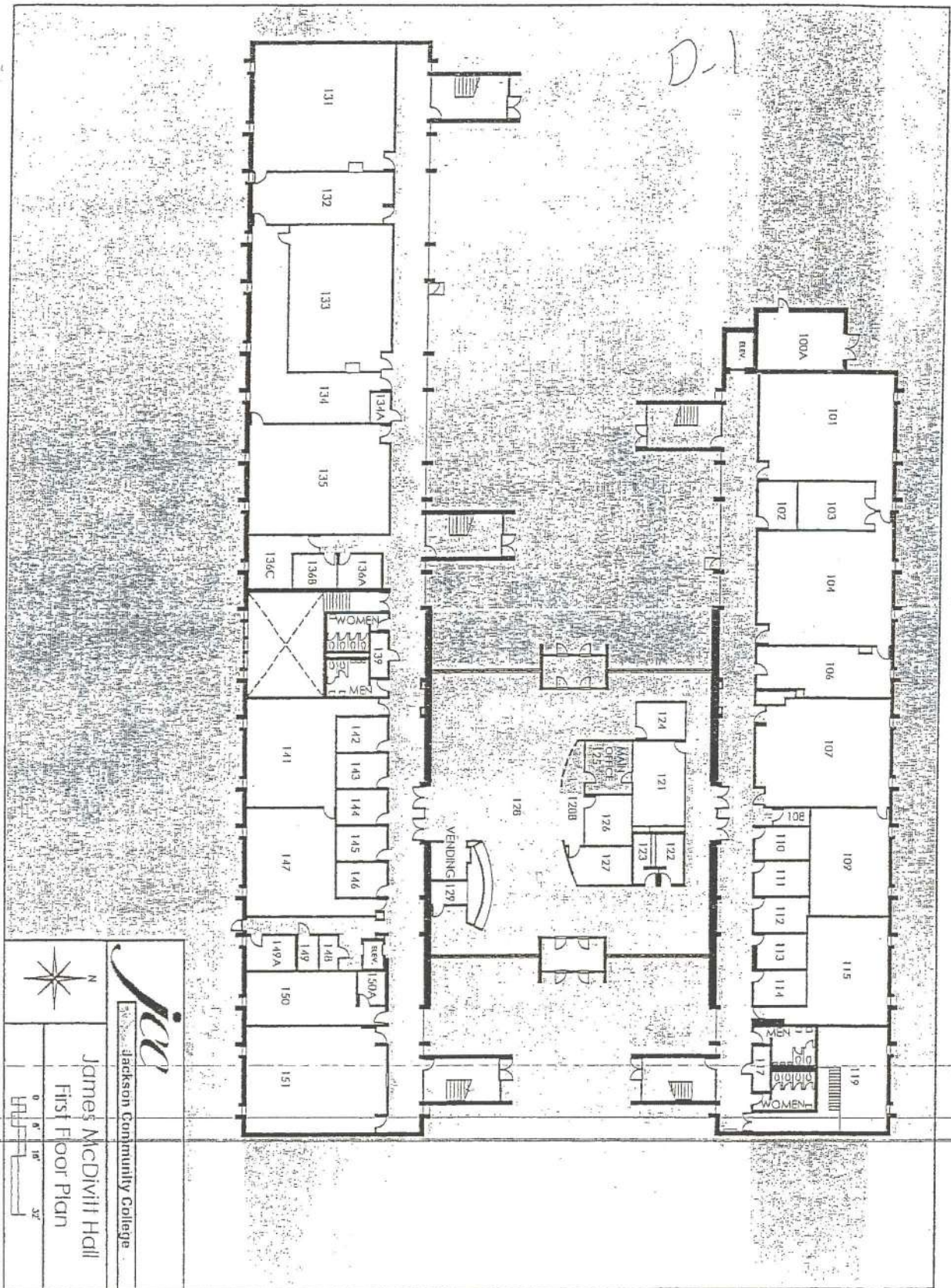


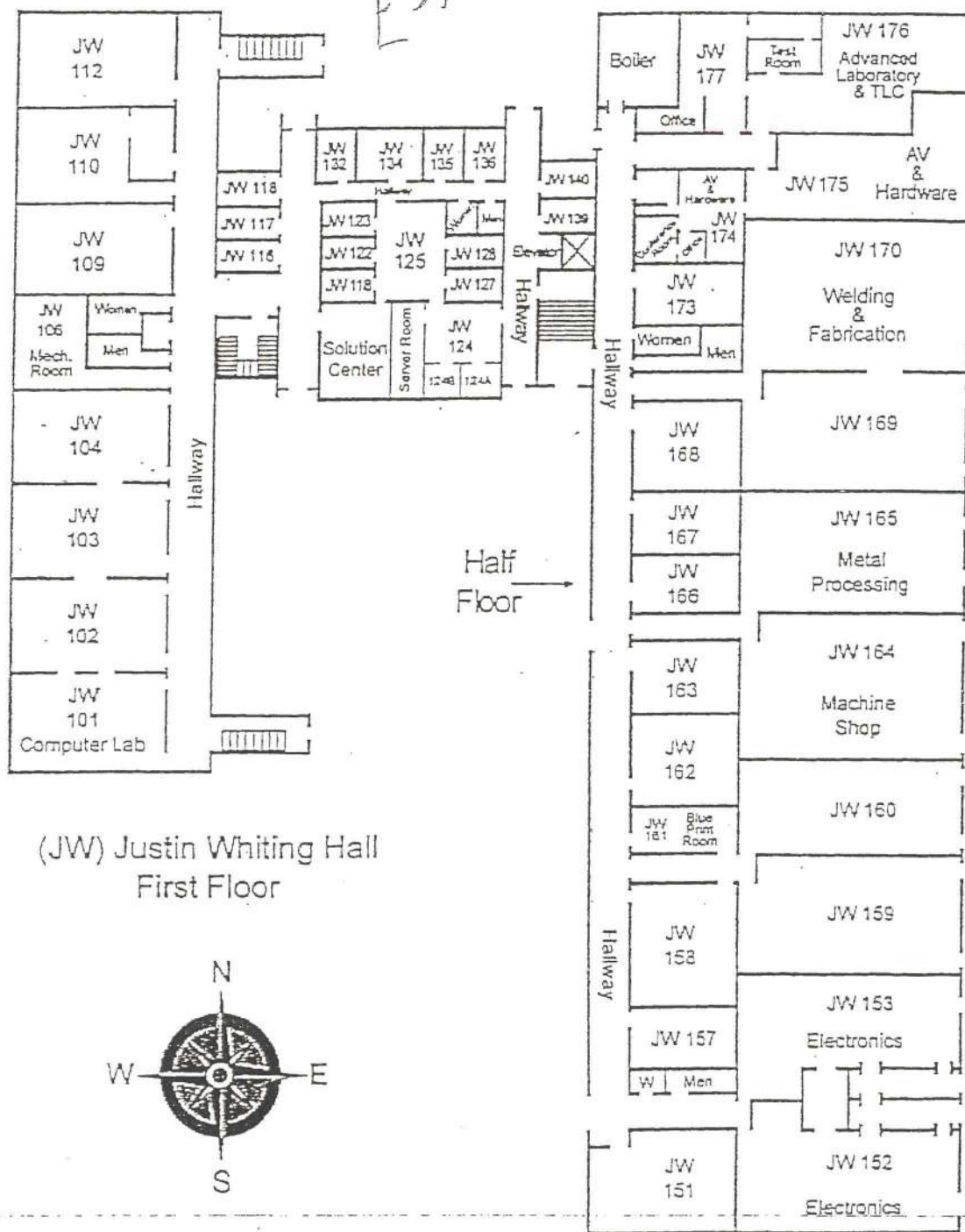
FIRST FLOOR

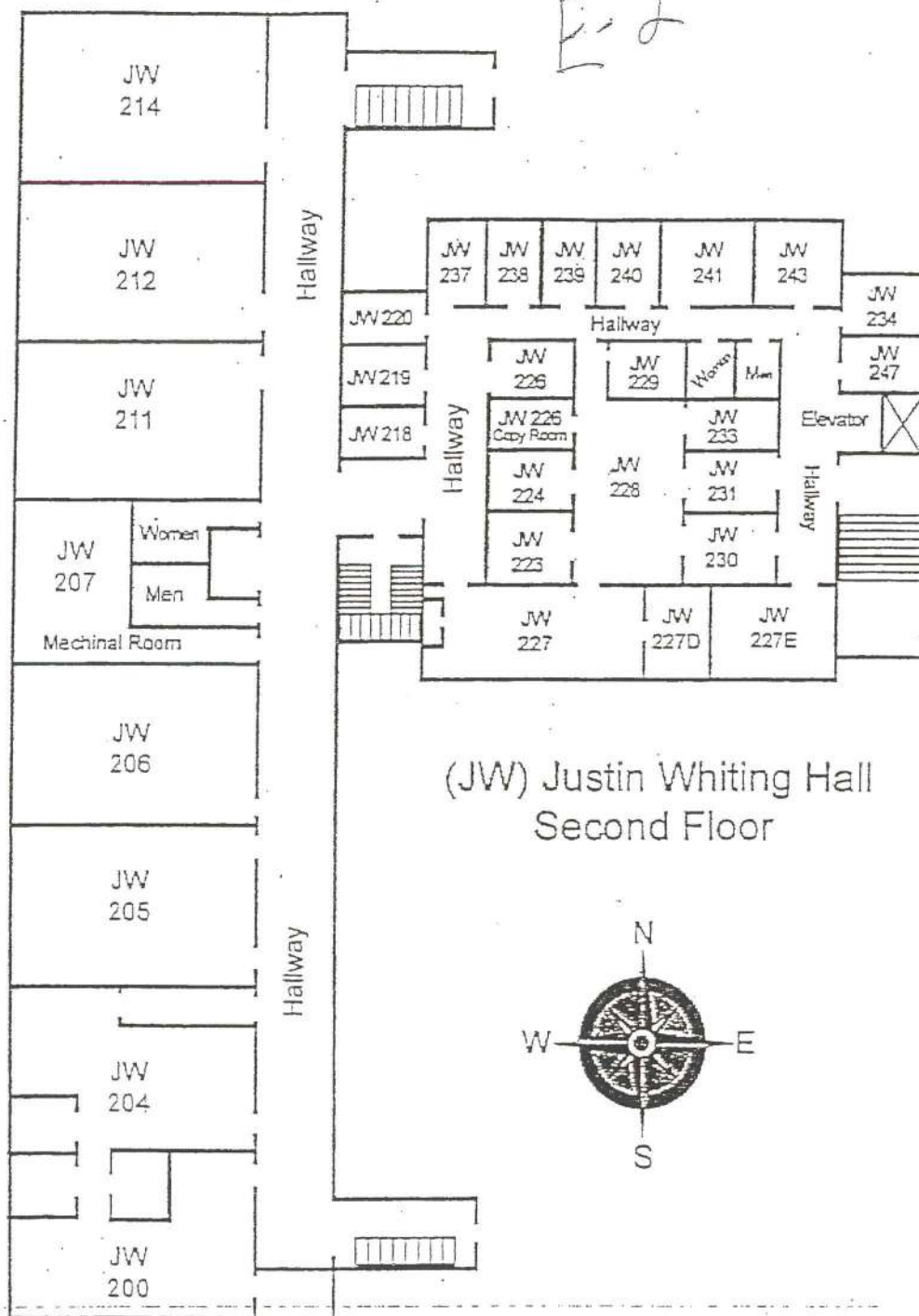
	<p>San Jacinto Community College Campus Services Floor Plans</p>
--	--

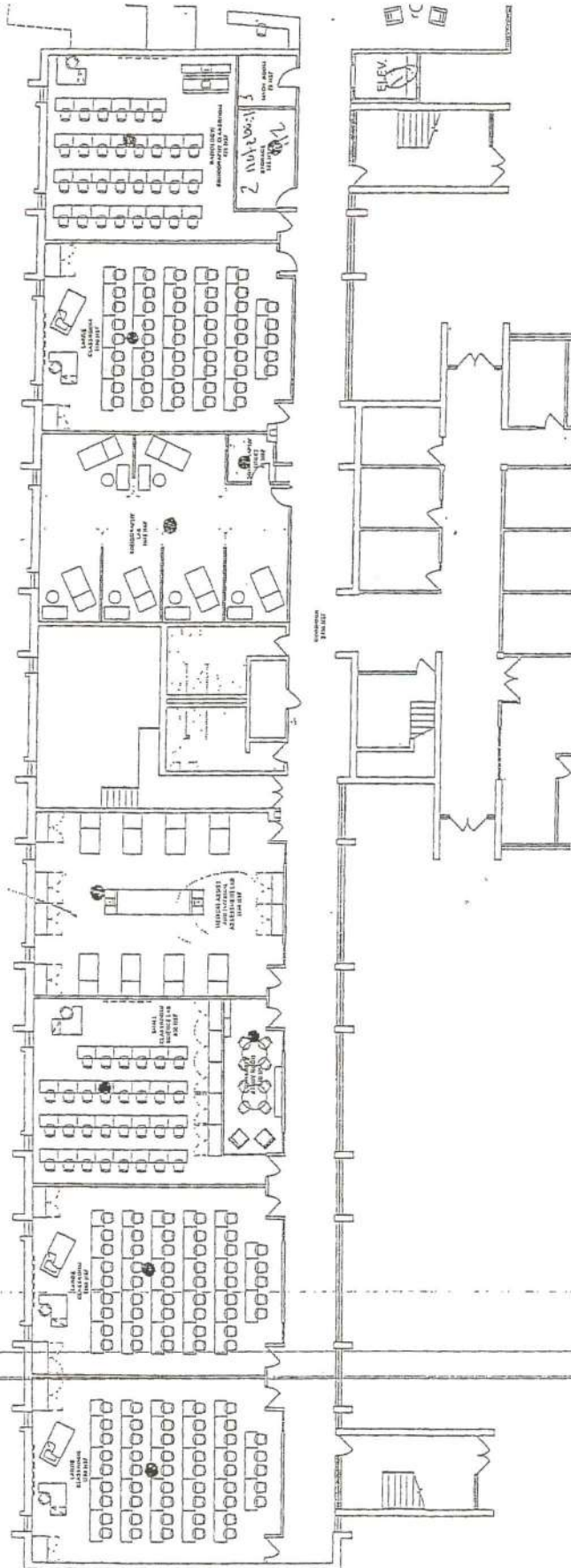
(GP) George E. Potter Center
Second Floor









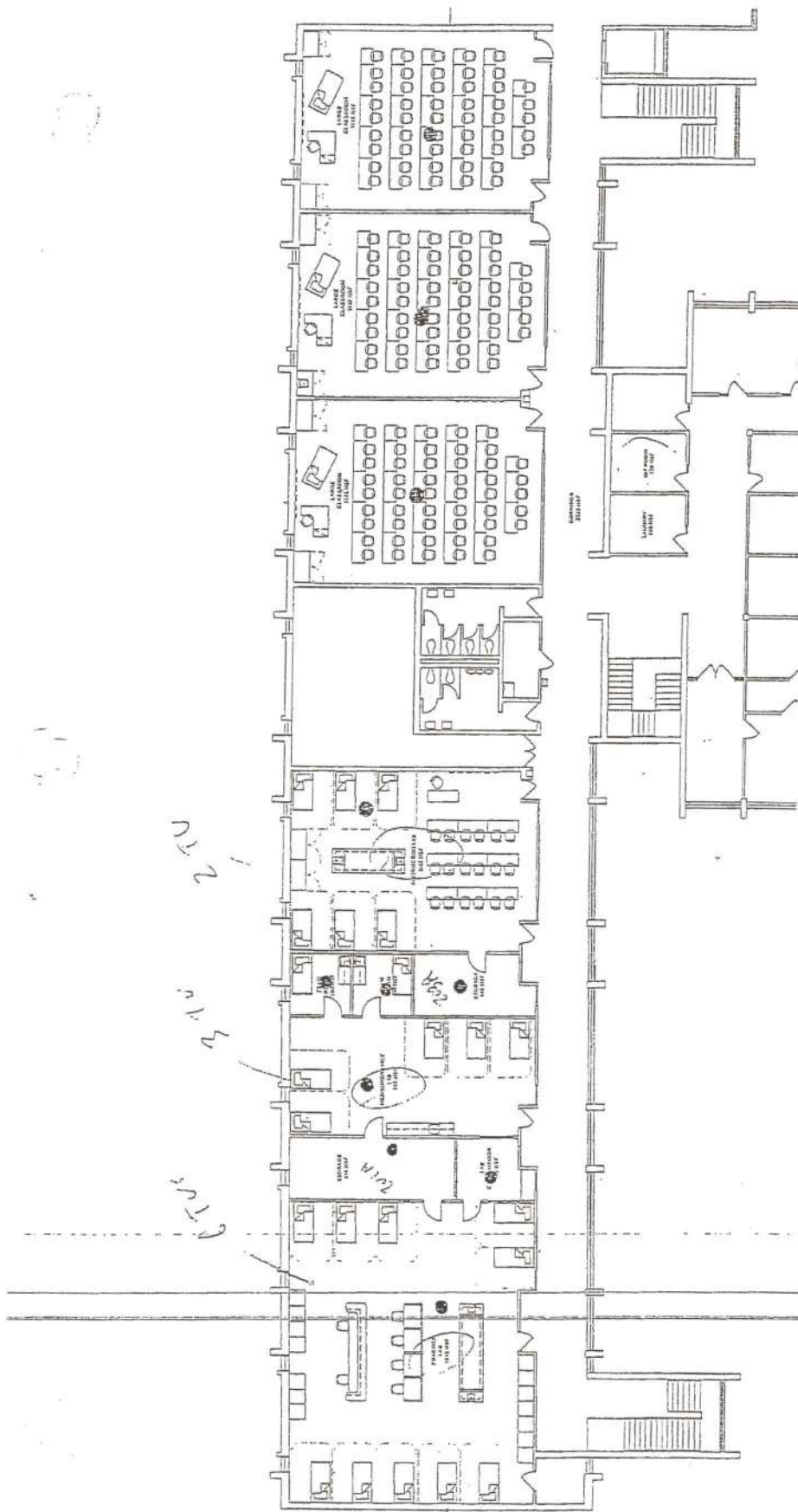


First Floor Proposed Plan

Center for Health Professions Renovation

Project No. 7105.000.02
July 24, 2005

0 8' 16' 32'
1" = 16'-0"



Center for Health Professions Renovation Second Floor Proposed

Project No. 7105.008.02
July 24, 2005

Steam Factory

Room Number and Name : Square Footage:

100 Studio (drawing and painting) : 1,907 sq ft

100A Changing : 89 sq ft

101 Vestibule : 44 sq ft

102 Break Out Room : 137 sq ft

103 All Gender Restroom : 89 sq ft

104 Vestibule : 44 sq ft

105 Studio (pottery) : 1,731 sq ft

105A Building Services : 93 sq ft

105B Academic Storage : 115 sq ft

106 Vestibule : 44 sq ft

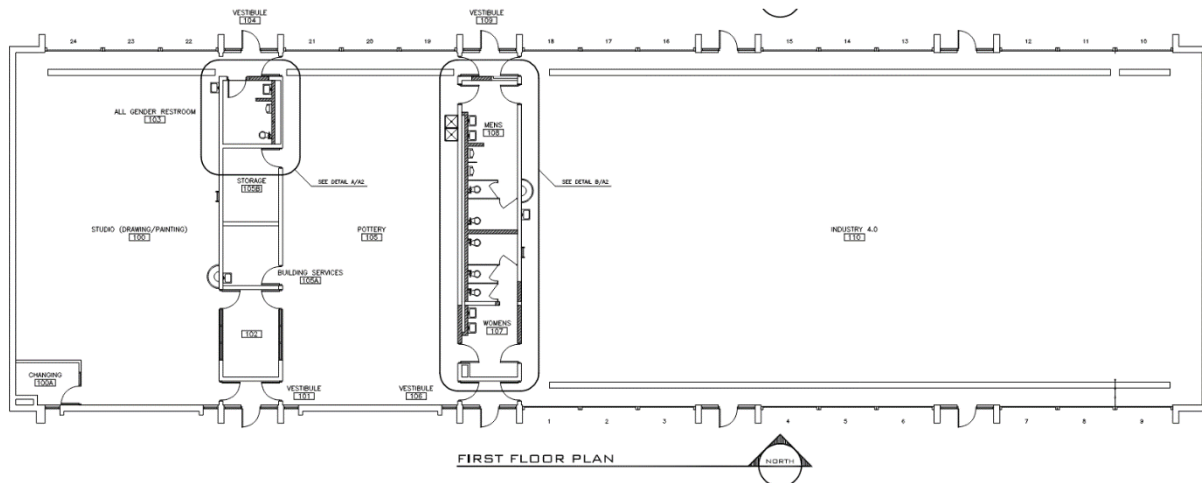
107 Womens : 204 sq ft

108 Mens : 214 sq ft

109 Vestibule : 44 sq ft

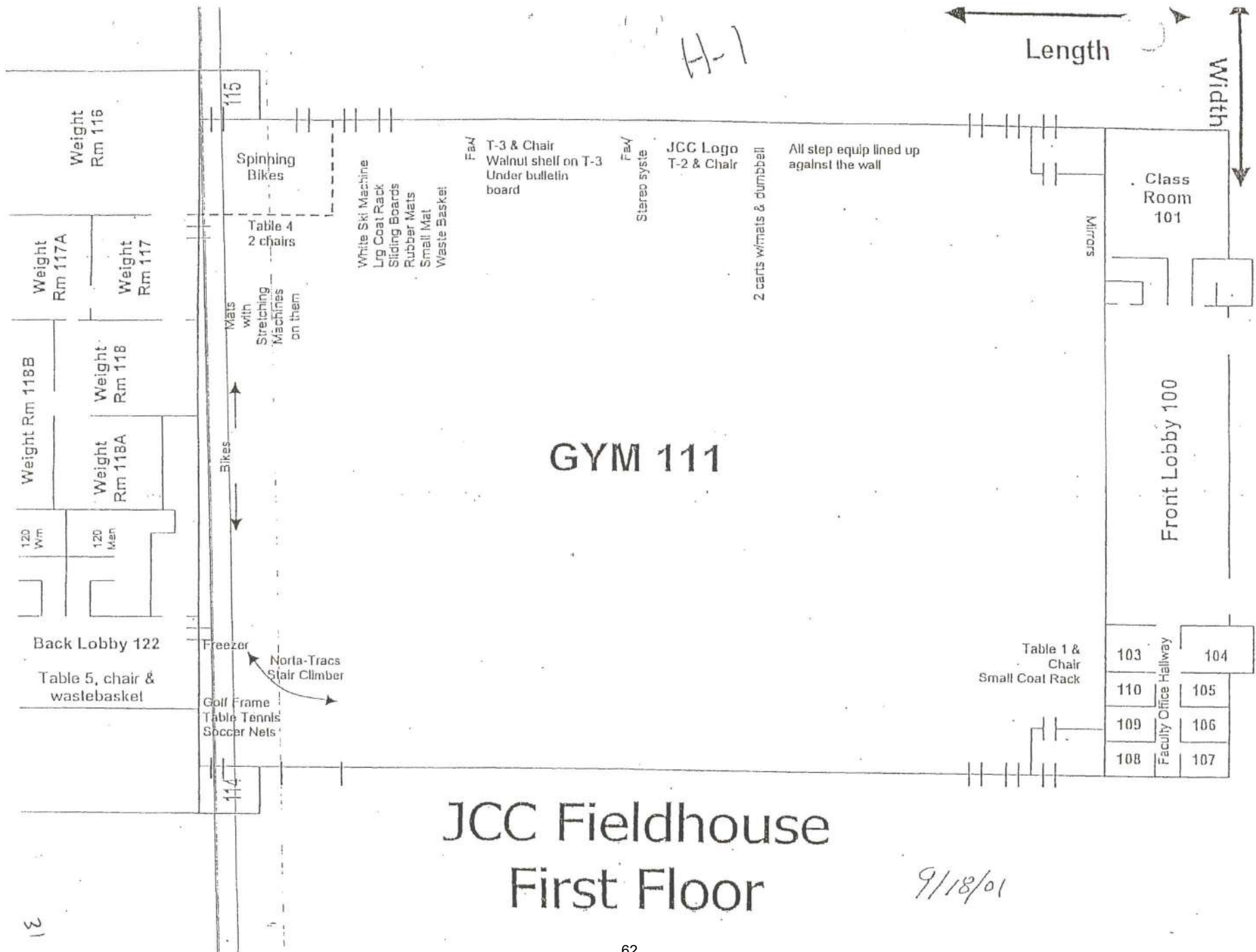
110 Studio (industry 4.0 and JPEC robotics) : 6,731 sq ft

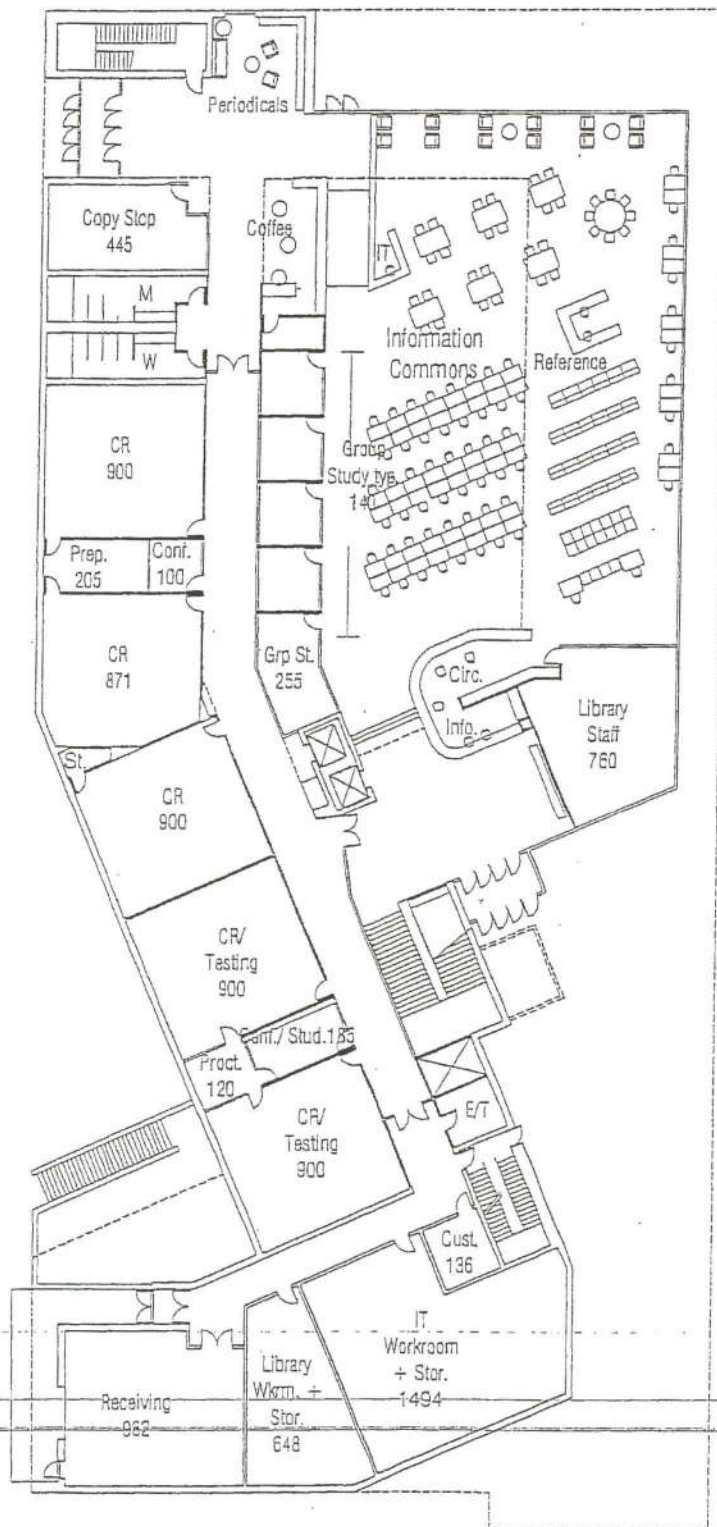
Second Floor/Mezzanine spaces are exclusively for Building Systems



Construction: April 2022 – October 2022

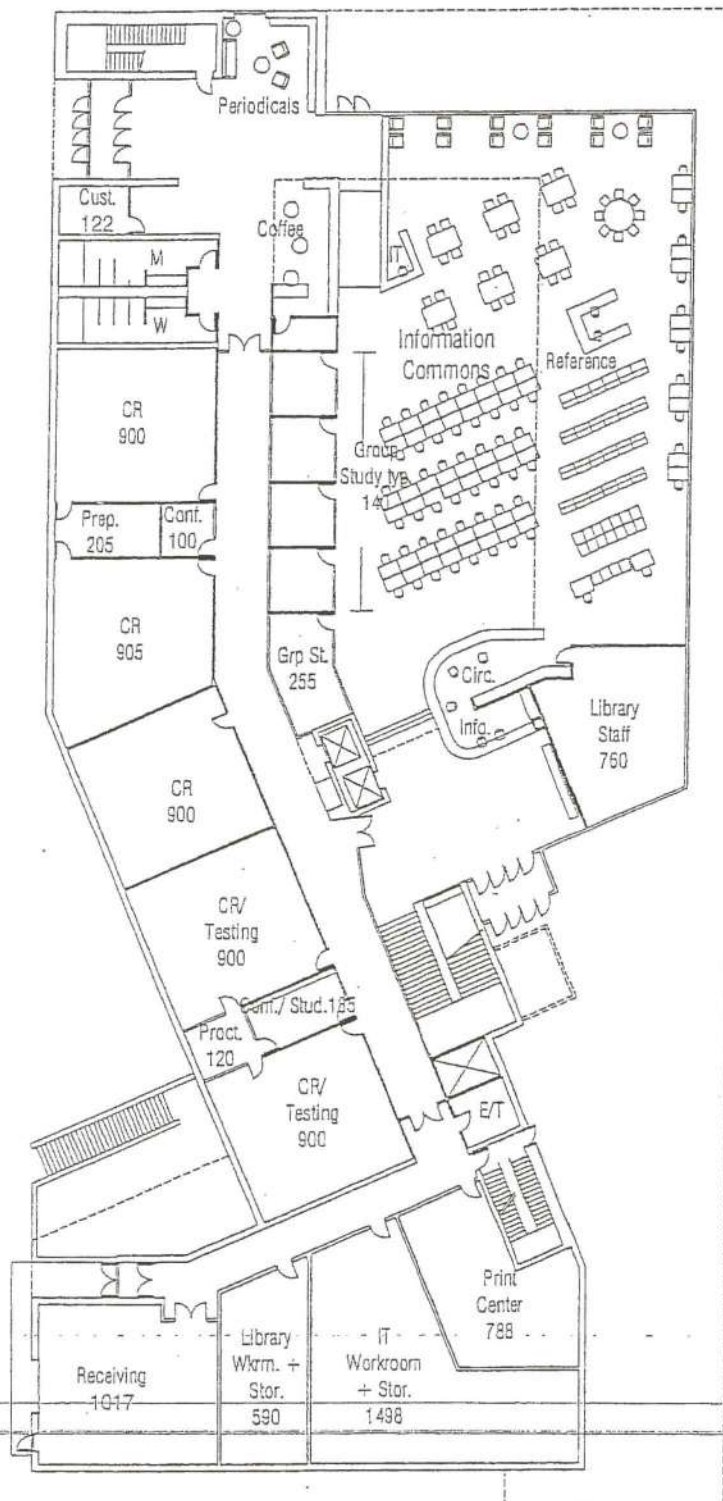
Building Identifier: TSF





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

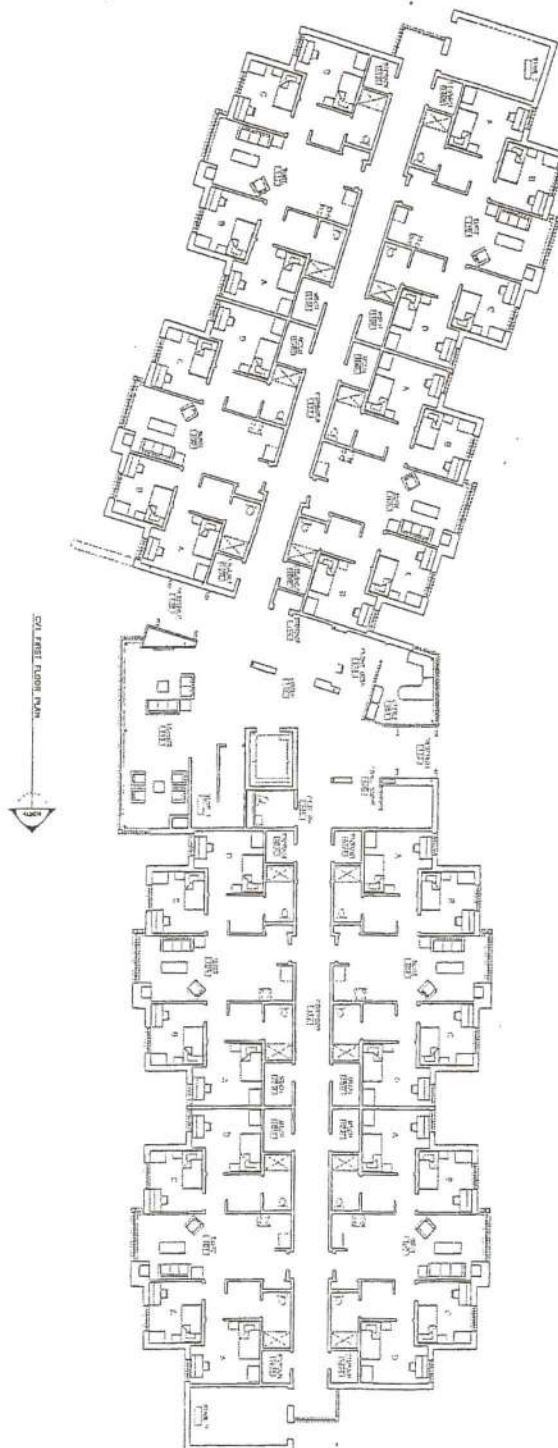
K-2



First Floor $\frac{1}{32}'' = 1'-0''$ (2)

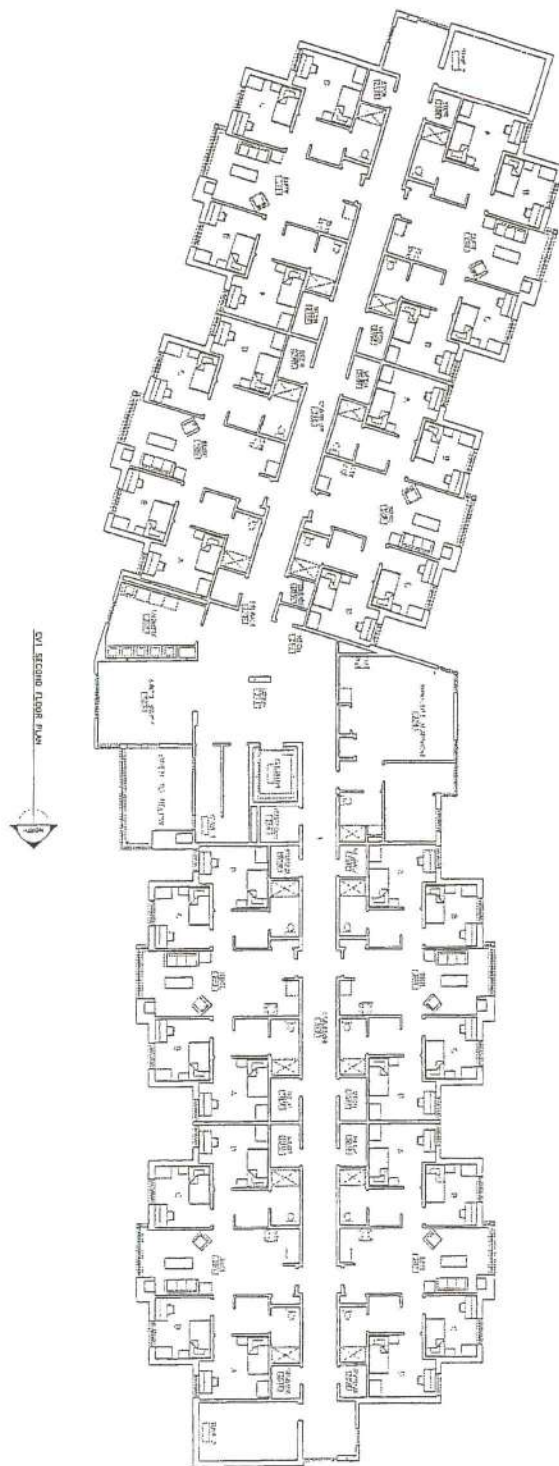
33

L-1



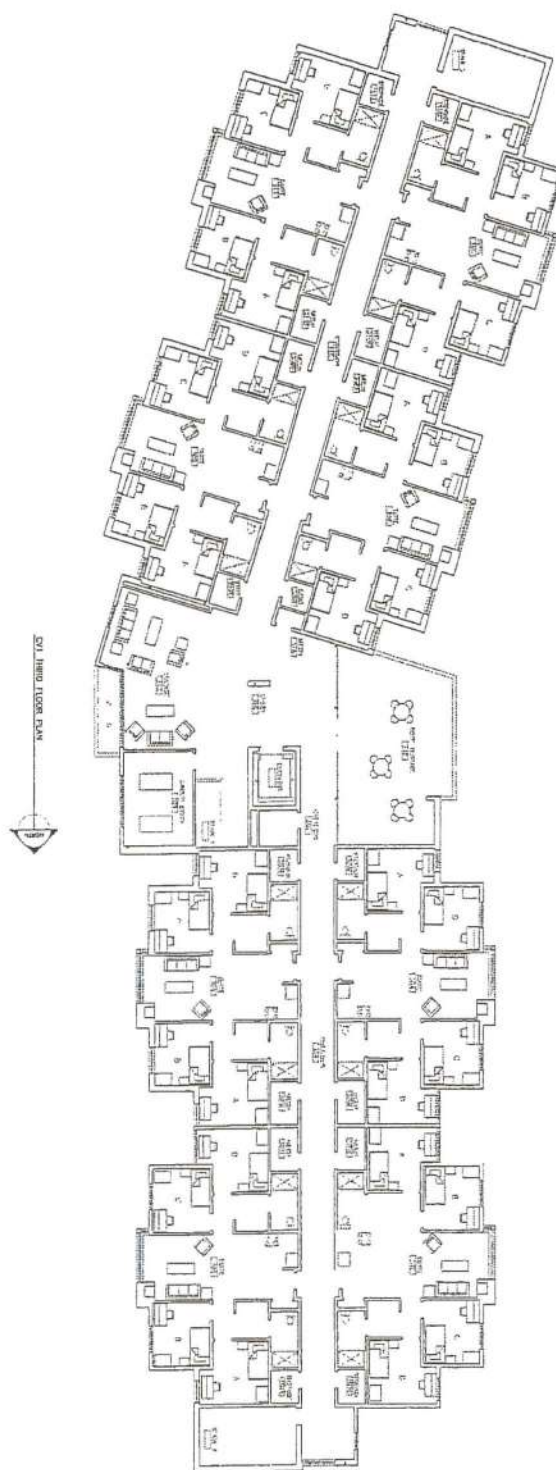
34

L-2



35

L-3

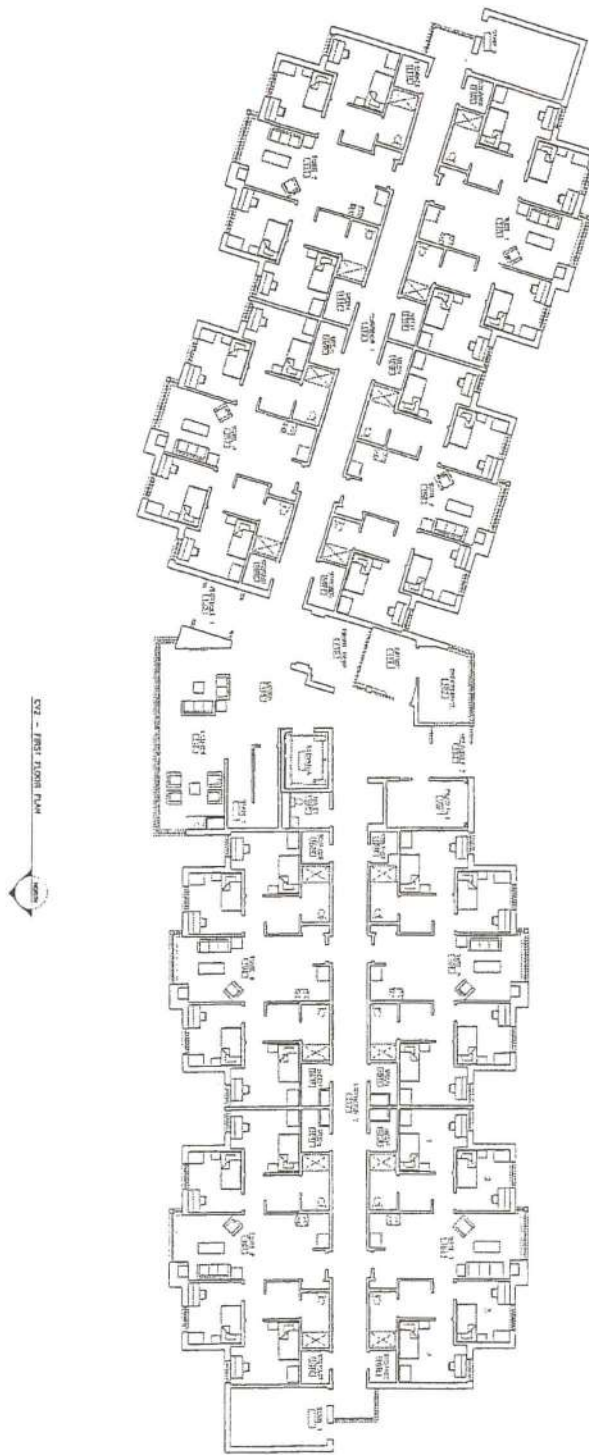


36

L-4



W 1



34

M-2

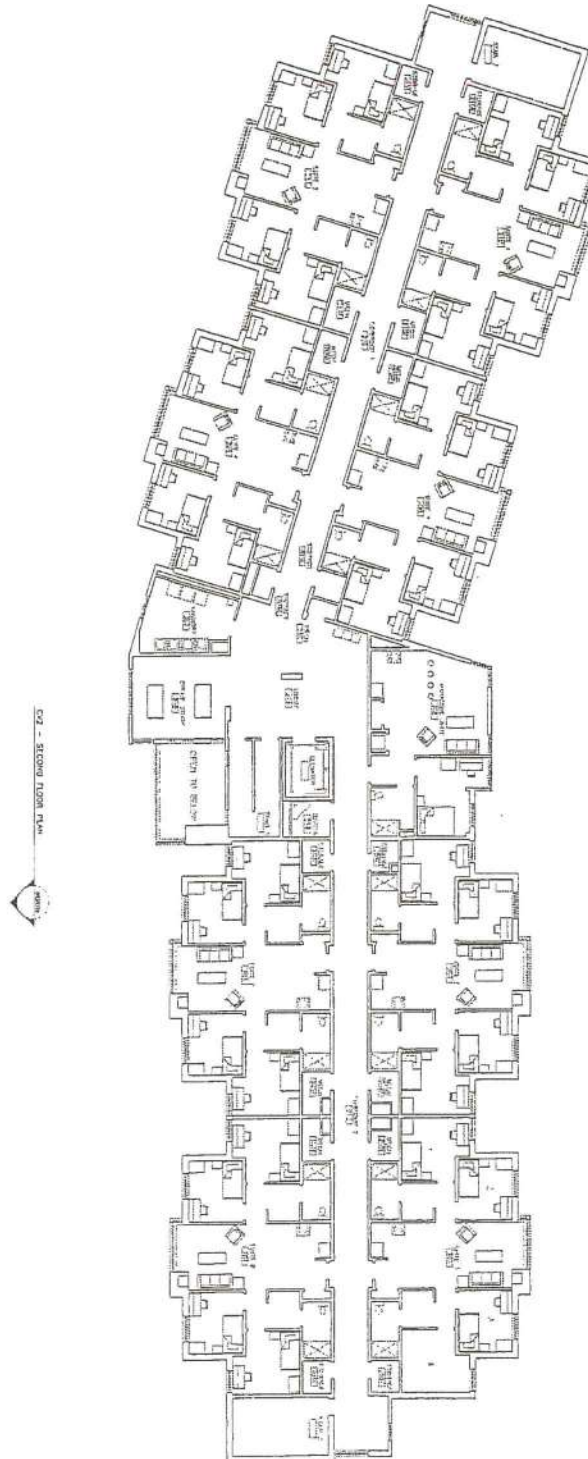
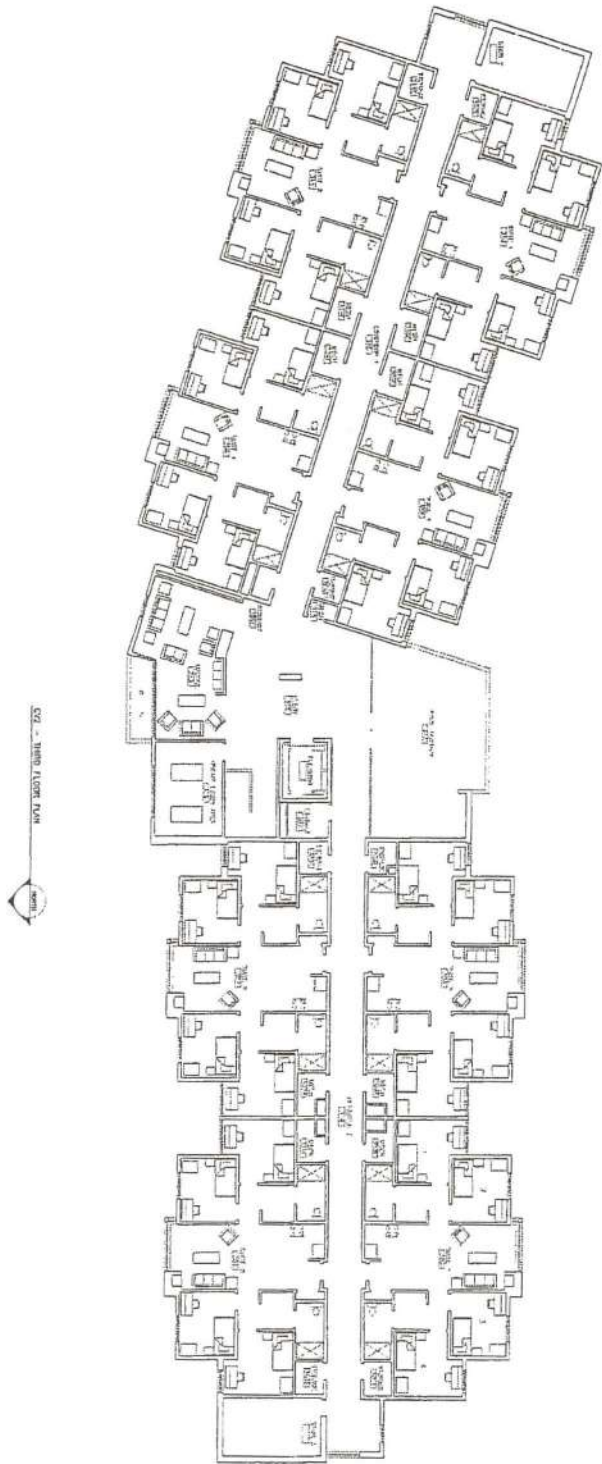
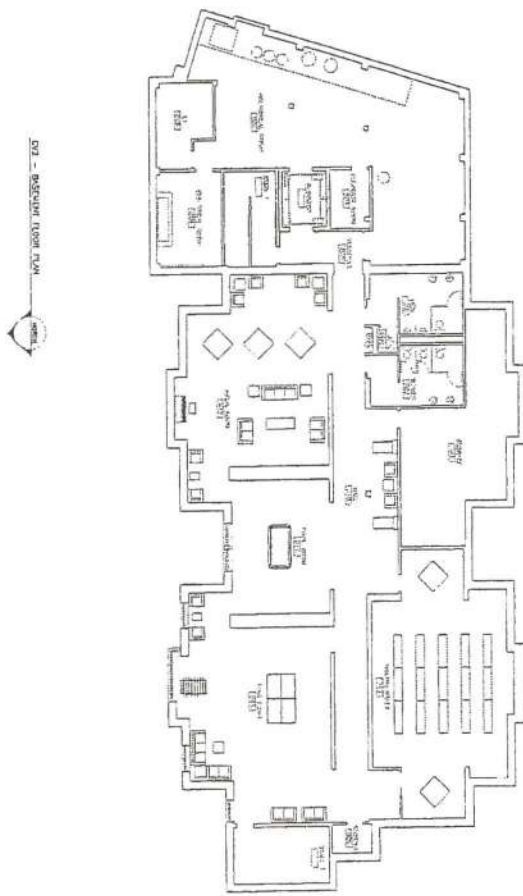


FIG. 2 - SECOND FLOOR PLAN

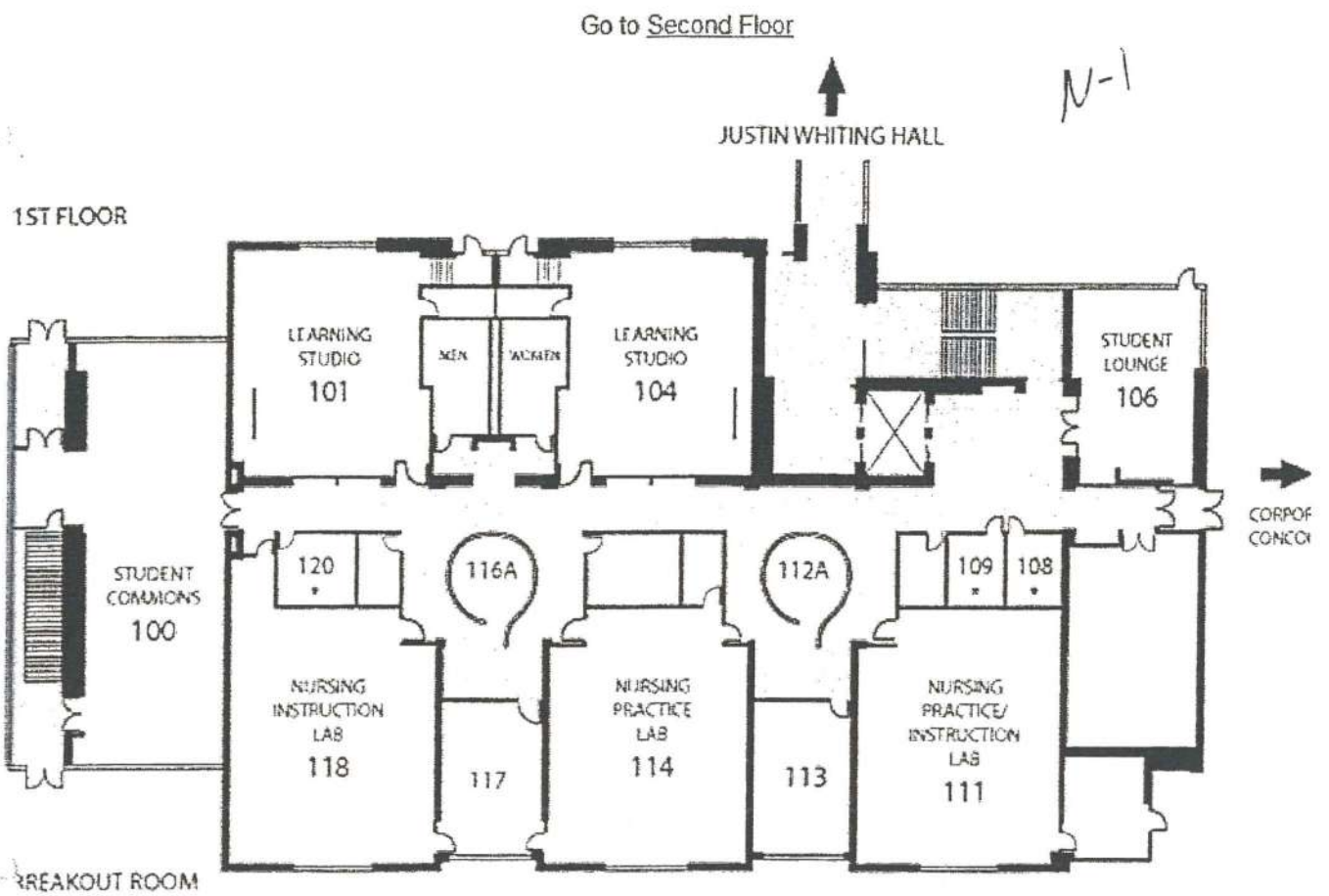
M - 3



M - 4



Health Laboratory Center

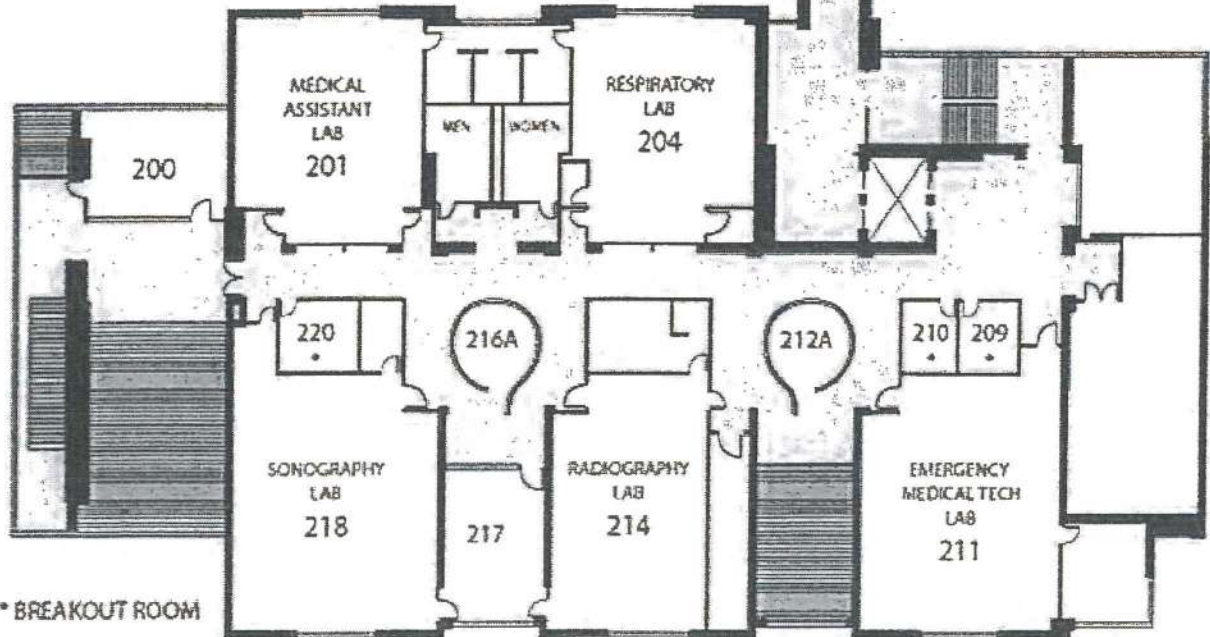


Health Laboratory Center

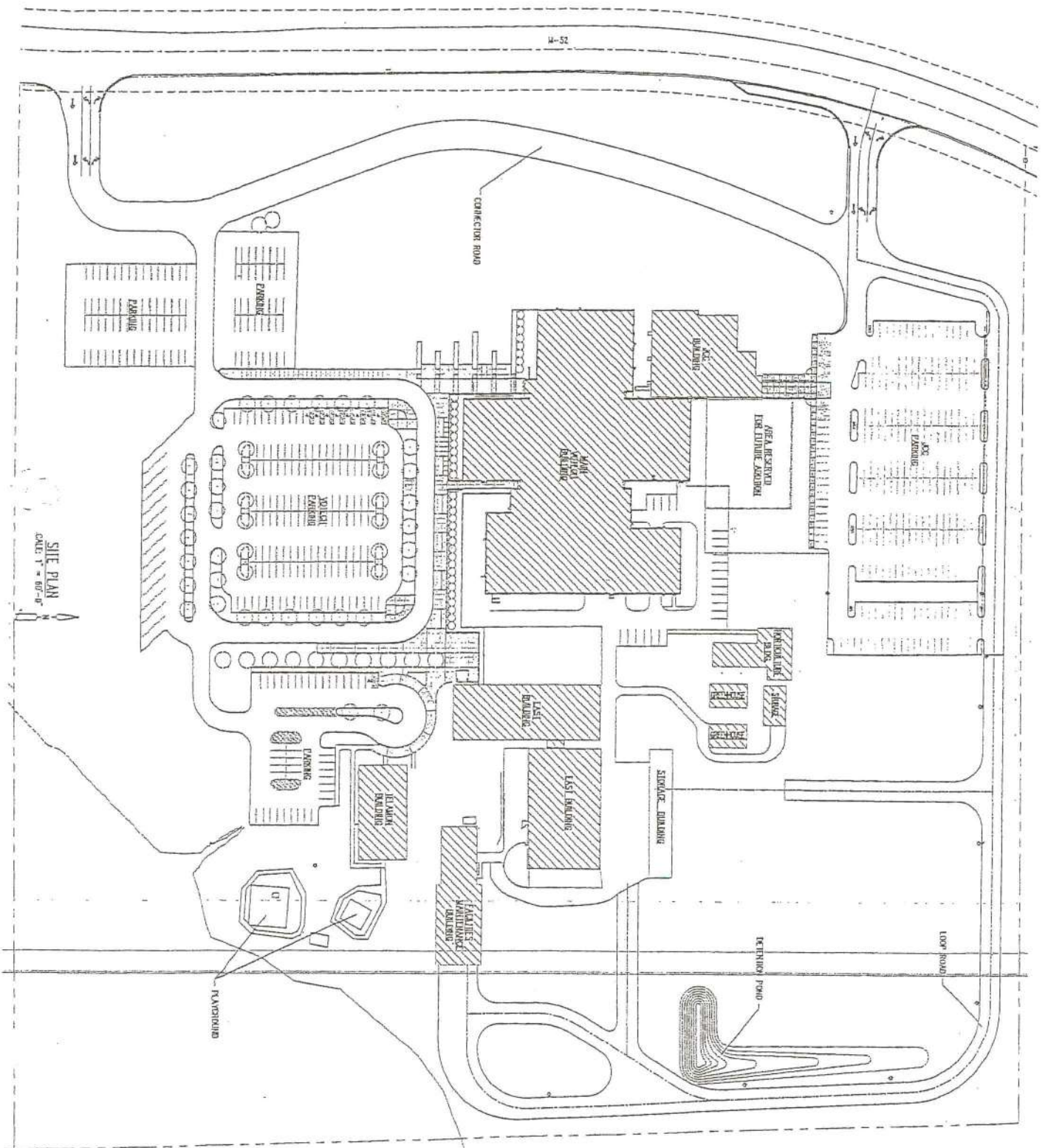
Go to First Floor

N-2

2ND FLOOR

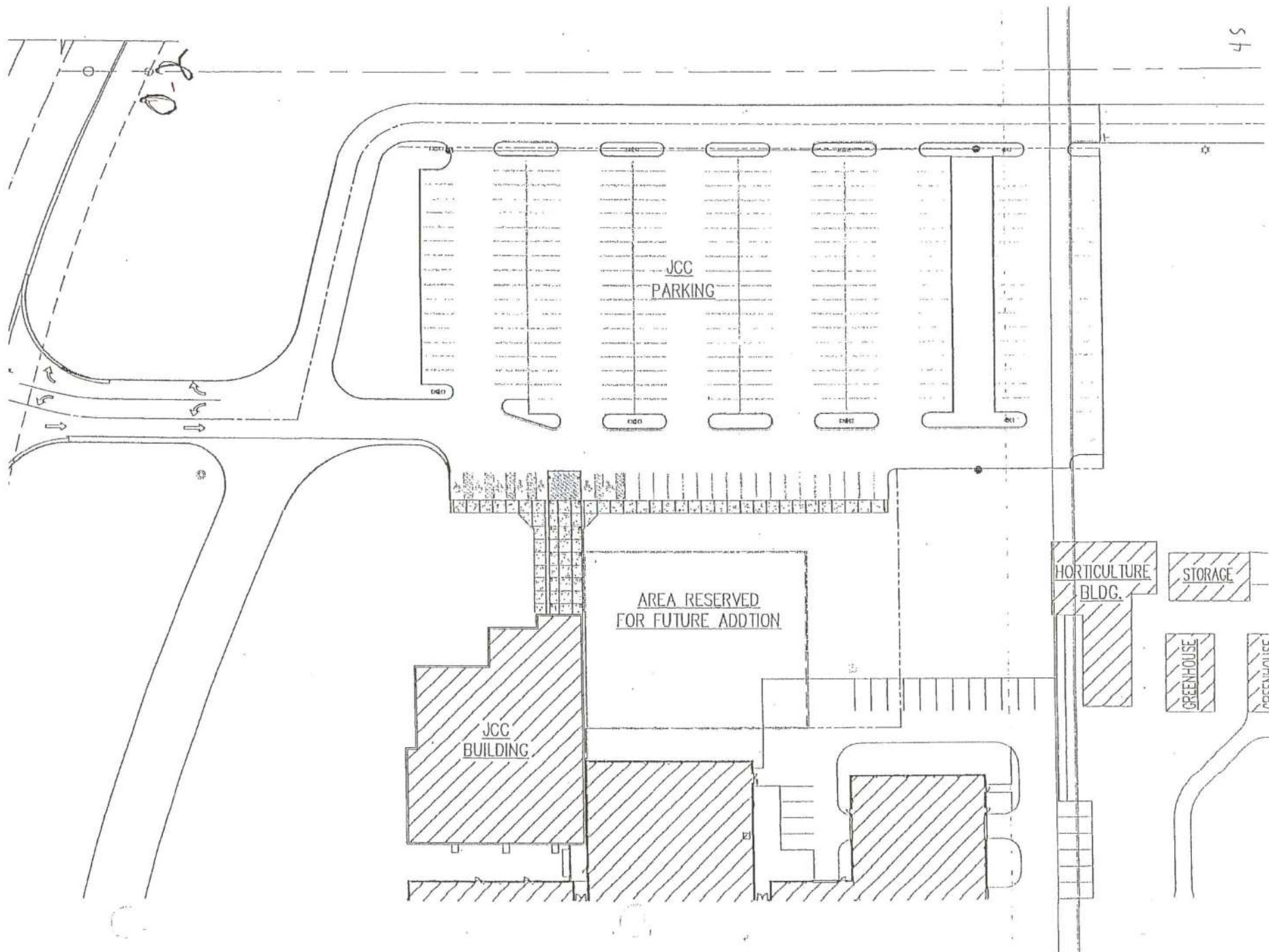


0-1



SITE PLAN
DATE: 1-1-87

44



45

46



47



Amiscale Center Floor Plan

R-1

14

Office 8'X10' Hill 003	Office Area Hill 003	Student Lounge Hill 002
Office 8'X10' Hill 004		
Entrance Hill 001		

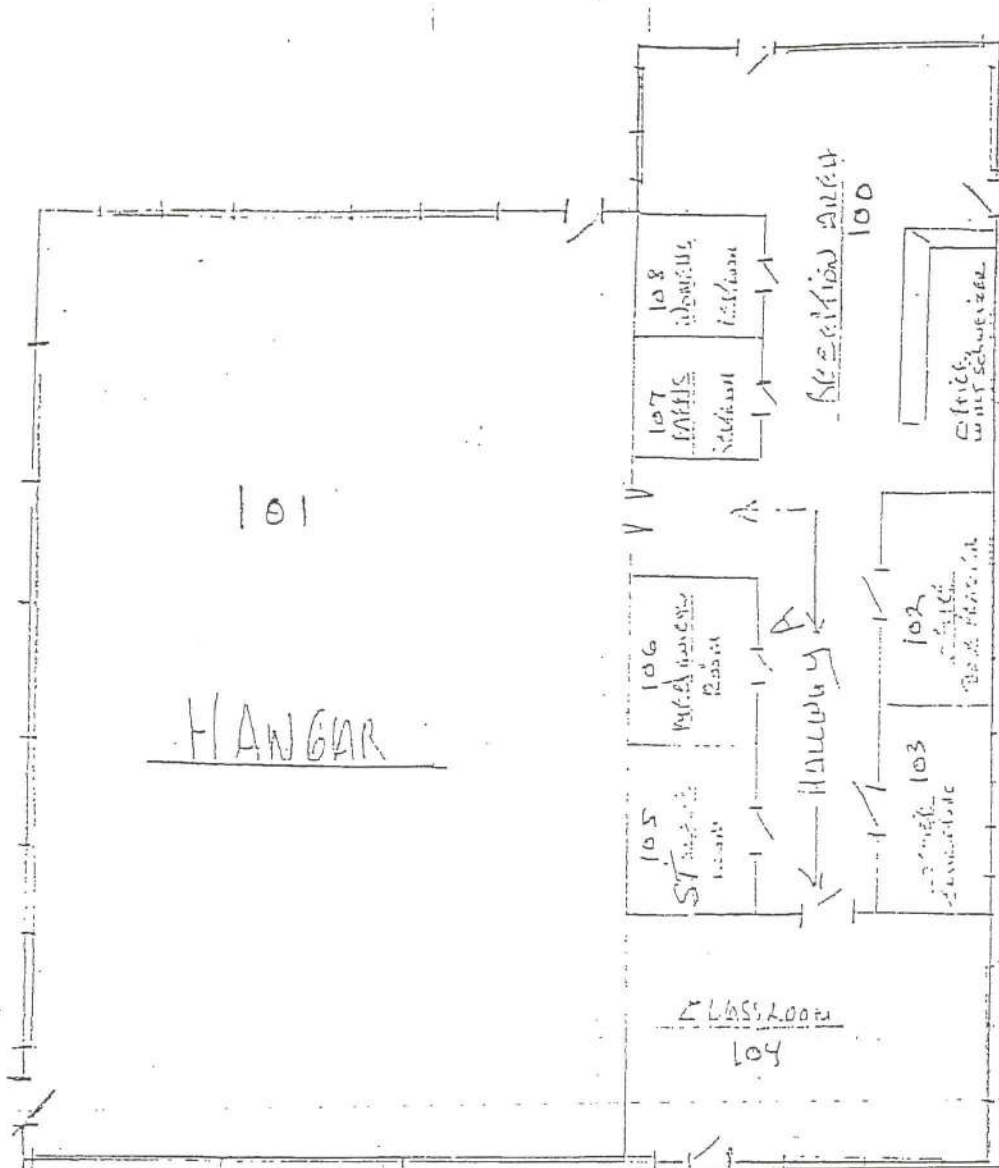
Conference Room 13'X12'	Vending Machines	Men's Bathroom	Storage
	Bookstore 6'X14'	Women's Bathroom	Storage
Classroom 27'X30' Computer Room 17		Classroom 26'X30'	
Classroom 27'X30'		Classroom 27'X30'	
Classroom 27'X30'		Classroom 27'X30'	
Classroom 27'X30'		Classroom 27'X30'	

Aprox. 145' X 70'

10150

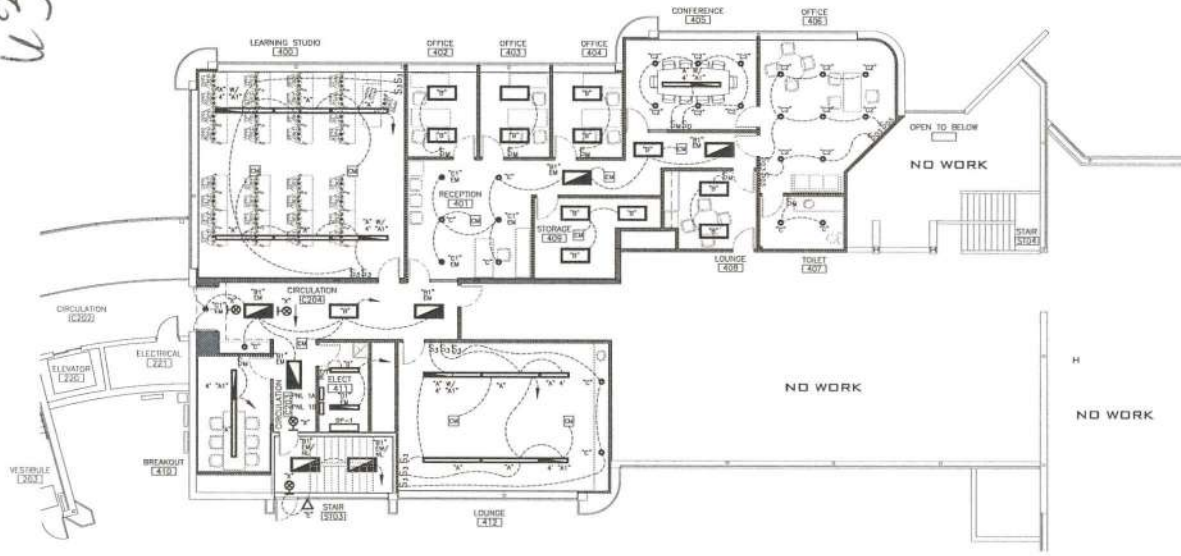
48

T-1



See plan below

U3



LIGHT FIXTURE SCHEDULE

- "A" = SIMULINK II FPM BATTLE BATTERED DIRECT/INDIRECT FLUORESCENT, 4' LENGTHS UNLESS OTHERWISE NOTED.
#2-49-278-18-1225-UNY-ACAB-TI-04, SEE BUILDING SECTION FOR DETAILS
- "B" = SAME AS "A" WITH EMERGENCY BATTERY BACK UP
- "C" = SATURN CHARTER 5' FOR A 4' SEGMENT OF THE 4' LENGTH, SEE DRAWINGS FOR LOCATION
- "D" = METALUX CHARTER SPEND 4' IN A DIRECT/INDIRECT FLUORESCENT
#203-23788P-UNY-EL-1330-1381-FUL-UNY-EL
- "E" = SAME AS "D" WITH EMERGENCY BATTERY BACK UP
- "F" = 4' IN A COMPACT FLUORESCENT 3" ADJUSTABLE DOWNLIGHT #126-24-SA-POK
FOR USE IN A DOWNWALL AND UP-WALL CEILING APPLICATION, SEE REFLECTED CEILING PLANS FOR LOCATIONS
- "G" = SAME AS "F" WITH EMERGENCY BATTERY BACK UP
- "H" = SAME AS "F" WITH DIMMABLE BALLAST
- "I" = METALUX II STRIP FLUORESCENT #27-CO-232A-UNY-CHB, PLUS HUNG FROM STRUCTURE
- "J" = SAME AS "I" WITH EMERGENCY BATTERY BACK UP
- "K" = SAME LIGHTS BATTERIES (FOR USE WITH TYPE "J")
- "L" = EXIST - SAME LIGHTS (ONLY POWERED TO OPERATE TYPE "K" FIXTURES) WITH LAMPS

UPPER LEVEL LIGHTING PLAN

1/8" = 1'-0"
NOTE: SEE SHEET A4 FOR LIGHT FIXTURE LOCATIONS PER REFLECTED CEILING PLAN

SITE LIGHTS

ASHRAE 90.1 MOTION ACTIVATED SENSOR SCHEDULE

- 1. CEILING MOUNTED OCCUPANCY SENSOR EQUAL TO LEVITON, PROVIDE SENSORS AS SHOWN ON DRAWING, OR AS REQUIRED. EACH LEVITON SENSOR PACKAGE TO INCLUDE A 4" MINIMUM.
 - C2000-MOTION SENSOR
 - C2000-200 POWER PACK
 - C2000-RED ADD A RELAY IF NECESSARY
- 2. WALL MOUNTED OCCUPANCY SENSOR EQUAL TO LEVITON, PROVIDE SENSORS AS SHOWN ON DRAWING, OR AS REQUIRED. EACH LEVITON SENSOR PACKAGE TO INCLUDE A 4" MINIMUM.
 - C2000-MOTION SENSOR
 - C2000-200 POWER PACK
 - C2000-RED ADD A RELAY IF NECESSARY

3. MOTION ACTIVATED SWITCH EQUAL TO LEVITON 00010-10

ADDITIONAL OCCUPANCY SENSOR INSTALLATION NOTES:

1. SEE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION OF SENSOR CONTROLS AND INTER-CONNECTOR OF MULTIPLE SENSORS WITH ONE OR MORE POWER PACKS AND ADD-A-RELAYS.
2. SENSORS TO BE A MINIMUM OF 8' A.F.F. FOR OPTIMUM OPERATION.
3. CIRCUITS CONTAINING FUSIBLES WITH EMERGENCY BALLASTS TO HAVE UNINTERRUPTED LOCAL CIRCUIT EXTENDED TO FUSIBLES.
4. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INITIAL SET UP AND CALIBRATION OF SENSORS.
5. AREAS SHOWN WITH LOCK SWITCHING TO HAVE SWITCHES ON LOCK SIDE OF AUTOMATIC CONTROLS.

COVALLE GROUP
ARCHITECTS/P.L.L.C.
1000 15TH AVENUE
SUITE 1000
DENVER, CO 80202

JACKSON COLLEGE
MAHER CAMPUS
DENTRAL CORE RENOVATION

DATE	REVISIONS	NOTES
11-14-10	ISSUED FOR BID AND 1	J.C.

FILE NAMED	2010
DRAWN BY	J.C.
CHECKED BY	J.C.
DATE ISSUED	

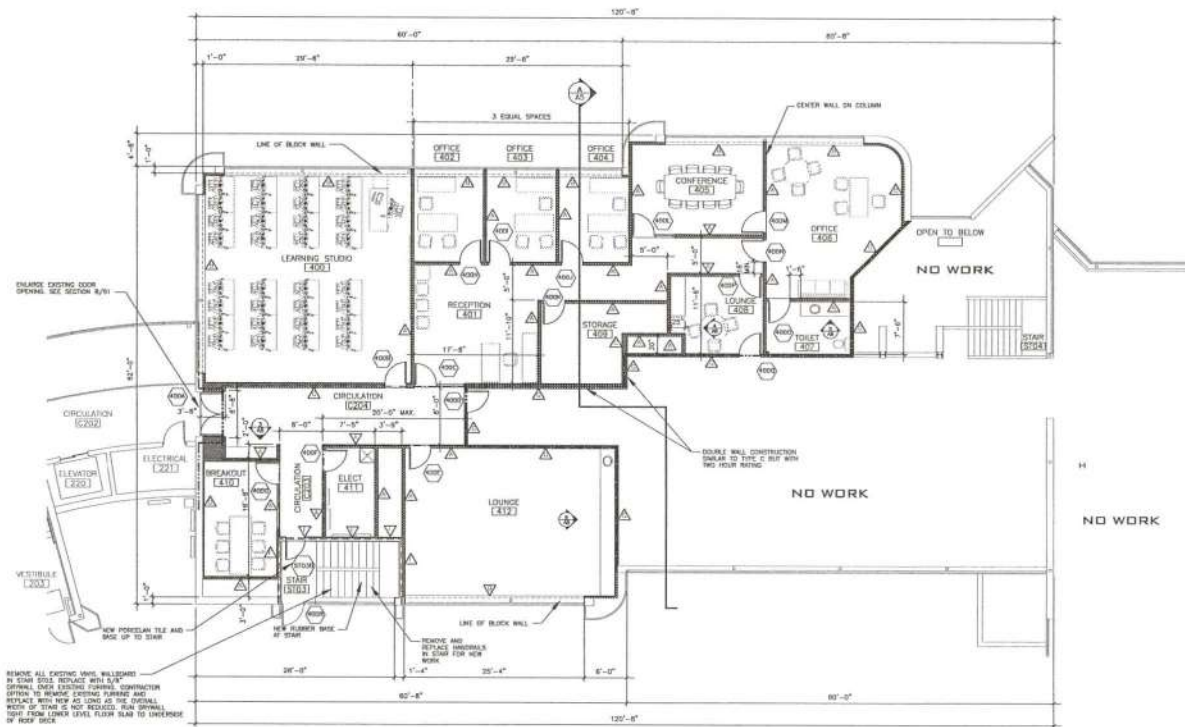
UPPER LEVEL LIGHTING PLAN

E4

ALL NOTES, PLANS, SPECIFICATIONS, CONTRACT, FIELD DATA, NOTES AND OTHER INFORMATION ARE THE PROPERTY OF COVALLE GROUP. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF COVALLE GROUP.

DATE	RECEIPTS	AMOUNT
8-11-08	PAID FOR 2008	1.00

DATE ISSUED	ISSUED BY	RECEIVED
-------------	-----------	----------



UPPER LEVEL FLOOR PLAN

1/8" = 1'-0"

NOTE: SEE SHEET S1 FOR STRUCTURAL WORK THIS FLOOR



TYPICAL HEIGHTS

TOP OF SLAB TO BOTTOM OF FLOOR JOIST = 11'-0" AT BEAM, 10'-7" AT WINDOW
TOP OF SLAB TO UNDERSIDE OF STEEL BEAM = 11'-0"

WALL LEGEND

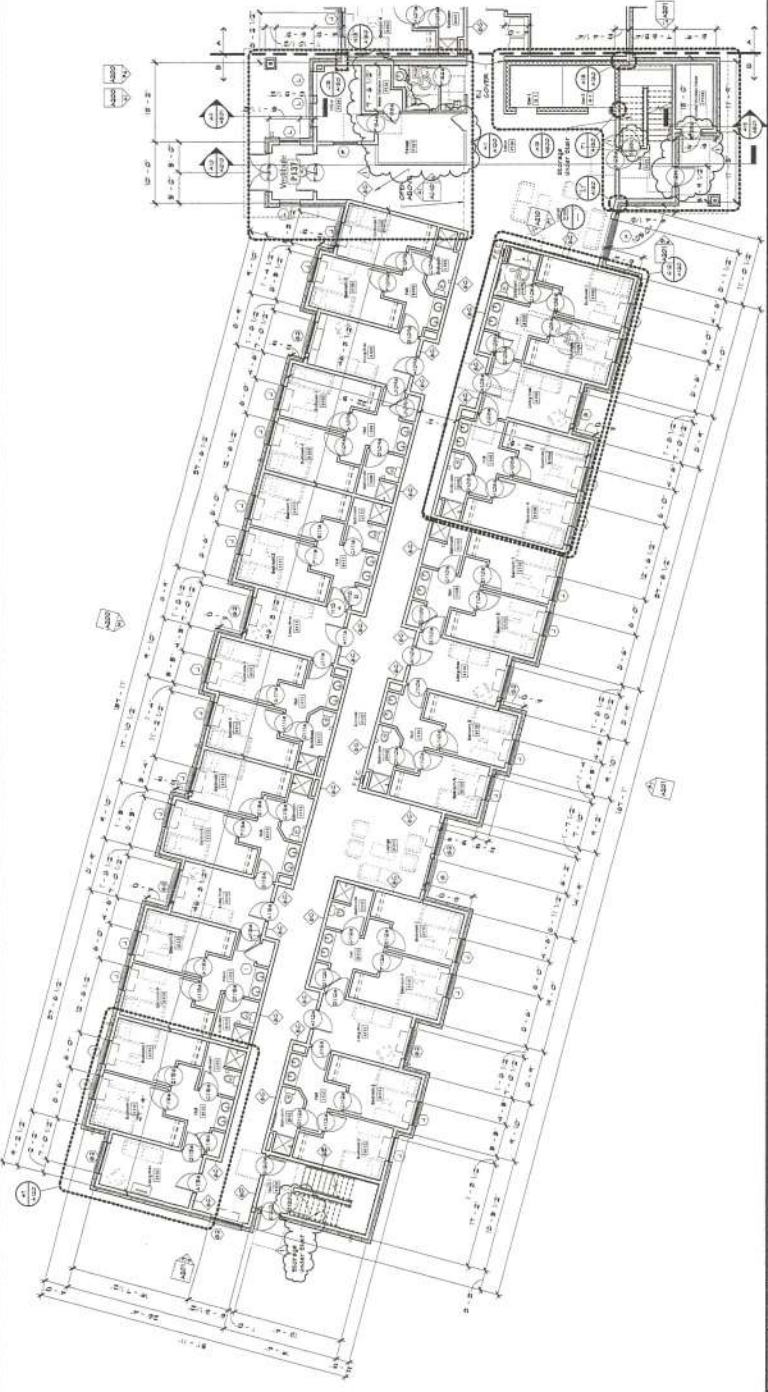
- | | |
|--|---|
| EXISTING 2 HOUR RATED CONSTRUCTION | EXISTING 2 HOUR RATED CONSTRUCTION |
| EXISTING WALLS ARE MIN. OF 8" CONCRETE | EXISTING WALLS ARE MIN. THICK TO UNDERLIE |
| EXISTING ROOF DECK | EXISTING ROOF DECK |
| EXISTING 1 HOUR FIRE BARRIER | EXISTING 1 HOUR FIRE BARRIER |
| NEW 1 HOUR FIRE BARRIER | NEW 1 HOUR FIRE BARRIER |
| NEW 2 HOUR FIRE BARRIER | NEW 2 HOUR FIRE BARRIER |
| NEW SMOKE BARRIER | NEW SMOKE BARRIER |

-  5/8" EXTERIOR PANEL EACH SIDE OVER 1/2" MIN. SOUND ATTENUATION @ 500 HZ. MIN. SOUND ATTENUATION @ 1000 HZ. MIN. SOUND ATTENUATION @ 2000 HZ. MIN. SOUND ATTENUATION @ 4000 HZ. MIN. SOUND ATTENUATION @ 8000 HZ. MIN. SOUND ATTENUATION @ 16000 HZ. MIN. SOUND ATTENUATION @ 32000 HZ. MIN. SOUND ATTENUATION @ 64000 HZ. MIN. SOUND ATTENUATION @ 128000 HZ. MIN. SOUND ATTENUATION @ 256000 HZ. MIN. SOUND ATTENUATION @ 512000 HZ. MIN. SOUND ATTENUATION @ 1024000 HZ. MIN. SOUND ATTENUATION @ 2048000 HZ. MIN. SOUND ATTENUATION @ 4096000 HZ. MIN. SOUND ATTENUATION @ 8192000 HZ. MIN. SOUND ATTENUATION @ 16384000 HZ. MIN. SOUND ATTENUATION @ 32768000 HZ. MIN. SOUND ATTENUATION @ 65536000 HZ. MIN. SOUND ATTENUATION @ 131072000 HZ. MIN. SOUND ATTENUATION @ 262144000 HZ. MIN. SOUND ATTENUATION @ 524288000 HZ. MIN. SOUND ATTENUATION @ 1048576000 HZ. MIN. SOUND ATTENUATION @ 2097152000 HZ. MIN. SOUND ATTENUATION @ 4194304000 HZ. MIN. SOUND ATTENUATION @ 8388608000 HZ. MIN. SOUND ATTENUATION @ 16777216000 HZ. MIN. SOUND ATTENUATION @ 33554432000 HZ. MIN. SOUND ATTENUATION @ 67108864000 HZ. MIN. SOUND ATTENUATION @ 134217728000 HZ. MIN. SOUND ATTENUATION @ 268435456000 HZ. MIN. SOUND ATTENUATION @ 536870912000 HZ. MIN. SOUND ATTENUATION @ 1073741824000 HZ. MIN. SOUND ATTENUATION @ 2147483648000 HZ. MIN. SOUND ATTENUATION @ 4294967296000 HZ. MIN. SOUND ATTENUATION @ 8589934592000 HZ. MIN. SOUND ATTENUATION @ 17179869184000 HZ. MIN. SOUND ATTENUATION @ 34359738368000 HZ. MIN. SOUND ATTENUATION @ 68719476736000 HZ. MIN. SOUND ATTENUATION @ 137438953472000 HZ. MIN. SOUND ATTENUATION @ 274877906944000 HZ. MIN. SOUND ATTENUATION @ 549755813888000 HZ. MIN. SOUND ATTENUATION @ 1099511627776000 HZ. MIN. SOUND ATTENUATION @ 2199023255552000 HZ. MIN. SOUND ATTENUATION @ 4398046511104000 HZ. MIN. SOUND ATTENUATION @ 8796093022208000 HZ. MIN. SOUND ATTENUATION @ 17592186044416000 HZ. MIN. SOUND ATTENUATION @ 35184372088832000 HZ. MIN. SOUND ATTENUATION @ 70368744177664000 HZ. MIN. SOUND ATTENUATION @ 140737488355328000 HZ. MIN. SOUND ATTENUATION @ 281474976710656000 HZ. MIN. SOUND ATTENUATION @ 562949953421312000 HZ. MIN. SOUND ATTENUATION @ 1125899906842624000 HZ. MIN. SOUND ATTENUATION @ 2251799813685248000 HZ. MIN. SOUND ATTENUATION @ 4503599627370496000 HZ. MIN. SOUND ATTENUATION @ 9007199254740992000 HZ. MIN. SOUND ATTENUATION @ 18014398509481984000 HZ. MIN. SOUND ATTENUATION @ 36028797018963968000 HZ. MIN. SOUND ATTENUATION @ 72057594037927936000 HZ. MIN. SOUND ATTENUATION @ 144115188075855872000 HZ. MIN. SOUND ATTENUATION @ 288230376151711744000 HZ. MIN. SOUND ATTENUATION @ 576460752303423488000 HZ. MIN. SOUND ATTENUATION @ 1152921504606846976000 HZ. MIN. SOUND ATTENUATION @ 2305843009213693952000 HZ. MIN. SOUND ATTENUATION @ 4611686018427387904000 HZ. MIN. SOUND ATTENUATION @ 9223372036854775808000 HZ. MIN. SOUND ATTENUATION @ 18446744073709551616000 HZ. MIN. SOUND ATTENUATION @ 36893488147419103232000 HZ. MIN. SOUND ATTENUATION @ 73786976294838206464000 HZ. MIN. SOUND ATTENUATION @ 147573952589676412928000 HZ. MIN. SOUND ATTENUATION @ 295147905179352825856000 HZ. MIN. SOUND ATTENUATION @ 590295810358705651712000 HZ. MIN. SOUND ATTENUATION @ 1180591620717411303424000 HZ. MIN. SOUND ATTENUATION @ 2361183241434822606848000 HZ. MIN. SOUND ATTENUATION @ 4722366482869645213696000 HZ. MIN. SOUND ATTENUATION @ 9444732965739290427392000 HZ. MIN. SOUND ATTENUATION @ 18889465931478580854784000 HZ. MIN. SOUND ATTENUATION @ 37778931862957161709568000 HZ. MIN. SOUND ATTENUATION @ 75557863725914323419136000 HZ. MIN. SOUND ATTENUATION @ 151115727451828646838272000 HZ. MIN. SOUND ATTENUATION @ 302231454903657293676544000 HZ. MIN. SOUND ATTENUATION @ 604462909807314587353088000 HZ. MIN. SOUND ATTENUATION @ 1208925819614629174706176000 HZ. MIN. SOUND ATTENUATION @ 2417851639229258349412352000 HZ. MIN. SOUND ATTENUATION @ 4835703278458516698824704000 HZ. MIN. SOUND ATTENUATION @ 9671406556917033397649408000 HZ. MIN. SOUND ATTENUATION @ 19342813113834066795298816000 HZ. MIN. SOUND ATTENUATION @ 38685626227668133590597632000 HZ. MIN. SOUND ATTENUATION @ 77371252455336267181195264000 HZ. MIN. SOUND ATTENUATION @ 154742504910672534362390528000 HZ. MIN. SOUND ATTENUATION @ 309485009821345068724781056000 HZ. MIN. SOUND ATTENUATION @ 618970019642690137449562112000 HZ. MIN. SOUND ATTENUATION @ 1237940039285380274899124224000 HZ. MIN. SOUND ATTENUATION @ 2475880078570760549798248448000 HZ. MIN. SOUND ATTENUATION @ 4951760157141521099596496896000 HZ. MIN. SOUND ATTENUATION @ 9903520314283042199192993792000 HZ. MIN. SOUND ATTENUATION @ 19807040628566084398385987584000 HZ. MIN. SOUND ATTENUATION @ 39614081257132168796771975168000 HZ. MIN. SOUND ATTENUATION @ 79228162514264337593543950336000 HZ. MIN. SOUND ATTENUATION @ 158456325028528675187087900672000 HZ. MIN. SOUND ATTENUATION @ 316912650057057350374175801344000 HZ. MIN. SOUND ATTENUATION @ 633825300114114700748351602688000 HZ. MIN. SOUND ATTENUATION @ 1267650600228229401496703205376000 HZ. MIN. SOUND ATTENUATION @ 2535301200456458802993406410752000 HZ. MIN. SOUND ATTENUATION @ 5070602400912917605986812821504000 HZ. MIN. SOUND ATTENUATION @ 10141204801825835211973625643008000 HZ. MIN. SOUND ATTENUATION @ 20282409603651670423947251286016000 HZ. MIN. SOUND ATTENUATION @ 40564819207303340847894502572032000 HZ. MIN. SOUND ATTENUATION @ 81129638414606681695789005144064000 HZ. MIN. SOUND ATTENUATION @ 162259276829213363391578010288128000 HZ. MIN. SOUND ATTENUATION @ 324518553658426726783156020576256000 HZ. MIN. SOUND ATTENUATION @ 649037107316853453566312041152512000 HZ. MIN. SOUND ATTENUATION @ 1298074214633706907132624082305024000 HZ. MIN. SOUND ATTENUATION @ 2596148429267413814265248164610048000 HZ. MIN. SOUND ATTENUATION @ 5192296858534827628530496329220096000 HZ. MIN. SOUND ATTENUATION @ 10384593717069655257060992658440192000 HZ. MIN. SOUND ATTENUATION @ 20769187434139310514121985316880384000 HZ. MIN. SOUND ATTENUATION @ 41538374868278621028243970633760768000 HZ. MIN. SOUND ATTENUATION @ 83076749736557242056487941267521536000 HZ. MIN. SOUND ATTENUATION @ 166153499473114484112975882535043072000 HZ. MIN. SOUND ATTENUATION @ 332306998946228968225951765070086144000 HZ. MIN. SOUND ATTENUATION @ 664613997892457936451903530140172288000 HZ. MIN. SOUND ATTENUATION @ 1329227995784915872903807060280344576000 HZ. MIN. SOUND ATTENUATION @ 2658455991569831745807614120560689152000 HZ. MIN. SOUND ATTENUATION @ 53169119831396634916152282411213

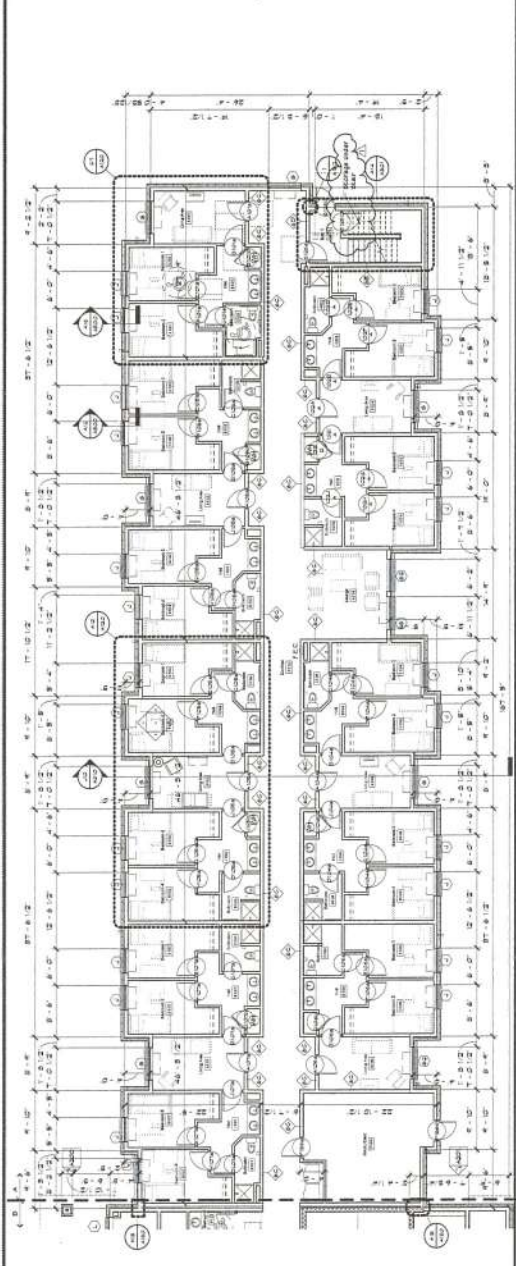
ALL SOCIETY, BANK, MEDICATIONS, COMPUTER FILE, FIELD DATA, WHITE AND OTHER EXCITING MOVIE AND ENTERTAINMENT ASSIGNED BY THE DESIGN INSTITUTIONS. AS ADVANCEMENTS IN THE MOVIE SMALL, STORIES THE PROPERTY OF THE DESIGN INSTITUTIONS. THE DESIGN INSTITUTIONS WILL RETAIN ALL DESIGN FOR COLUMBIA AND OTHER STUDIOS. NO OTHER INSTITUTIONS WILL RETAIN ALL DESIGN FOR COLUMBIA AND OTHER STUDIOS. NO OTHER INSTITUTIONS WILL RETAIN ALL DESIGN FOR COLUMBIA AND OTHER STUDIOS.

General Notes:

1. ALL DIMENSIONS ARE FROM THE FACE OF STUDENT SUITE WALLS UNLESS OTHERWISE NOTED.
2. SEE CODES FOR ALL PRELIMINARY WALLS.
3. SEE CODES FOR ALL PRELIMINARY WALLS.
4. SEE CODES FOR ALL PRELIMINARY WALLS.
5. SEE CODES FOR ALL PRELIMINARY WALLS.
6. SEE CODES FOR ALL PRELIMINARY WALLS.
7. SEE CODES FOR ALL PRELIMINARY WALLS.
8. SEE CODES FOR ALL PRELIMINARY WALLS.
9. SEE CODES FOR ALL PRELIMINARY WALLS.
10. SEE CODES FOR ALL PRELIMINARY WALLS.
11. SEE CODES FOR ALL PRELIMINARY WALLS.
12. SEE CODES FOR ALL PRELIMINARY WALLS.
13. SEE CODES FOR ALL PRELIMINARY WALLS.
14. SEE CODES FOR ALL PRELIMINARY WALLS.
15. SEE CODES FOR ALL PRELIMINARY WALLS.
16. SEE CODES FOR ALL PRELIMINARY WALLS.
17. SEE CODES FOR ALL PRELIMINARY WALLS.
18. SEE CODES FOR ALL PRELIMINARY WALLS.
19. SEE CODES FOR ALL PRELIMINARY WALLS.
20. SEE CODES FOR ALL PRELIMINARY WALLS.
21. SEE CODES FOR ALL PRELIMINARY WALLS.
22. SEE CODES FOR ALL PRELIMINARY WALLS.
23. SEE CODES FOR ALL PRELIMINARY WALLS.
24. SEE CODES FOR ALL PRELIMINARY WALLS.
25. SEE CODES FOR ALL PRELIMINARY WALLS.
26. SEE CODES FOR ALL PRELIMINARY WALLS.
27. SEE CODES FOR ALL PRELIMINARY WALLS.
28. SEE CODES FOR ALL PRELIMINARY WALLS.
29. SEE CODES FOR ALL PRELIMINARY WALLS.
30. SEE CODES FOR ALL PRELIMINARY WALLS.
31. SEE CODES FOR ALL PRELIMINARY WALLS.
32. SEE CODES FOR ALL PRELIMINARY WALLS.
33. SEE CODES FOR ALL PRELIMINARY WALLS.
34. SEE CODES FOR ALL PRELIMINARY WALLS.
35. SEE CODES FOR ALL PRELIMINARY WALLS.
36. SEE CODES FOR ALL PRELIMINARY WALLS.
37. SEE CODES FOR ALL PRELIMINARY WALLS.
38. SEE CODES FOR ALL PRELIMINARY WALLS.
39. SEE CODES FOR ALL PRELIMINARY WALLS.
40. SEE CODES FOR ALL PRELIMINARY WALLS.
41. SEE CODES FOR ALL PRELIMINARY WALLS.
42. SEE CODES FOR ALL PRELIMINARY WALLS.
43. SEE CODES FOR ALL PRELIMINARY WALLS.
44. SEE CODES FOR ALL PRELIMINARY WALLS.
45. SEE CODES FOR ALL PRELIMINARY WALLS.
46. SEE CODES FOR ALL PRELIMINARY WALLS.
47. SEE CODES FOR ALL PRELIMINARY WALLS.
48. SEE CODES FOR ALL PRELIMINARY WALLS.
49. SEE CODES FOR ALL PRELIMINARY WALLS.
50. SEE CODES FOR ALL PRELIMINARY WALLS.
51. SEE CODES FOR ALL PRELIMINARY WALLS.
52. SEE CODES FOR ALL PRELIMINARY WALLS.
53. SEE CODES FOR ALL PRELIMINARY WALLS.
54. SEE CODES FOR ALL PRELIMINARY WALLS.
55. SEE CODES FOR ALL PRELIMINARY WALLS.
56. SEE CODES FOR ALL PRELIMINARY WALLS.
57. SEE CODES FOR ALL PRELIMINARY WALLS.
58. SEE CODES FOR ALL PRELIMINARY WALLS.
59. SEE CODES FOR ALL PRELIMINARY WALLS.
60. SEE CODES FOR ALL PRELIMINARY WALLS.
61. SEE CODES FOR ALL PRELIMINARY WALLS.
62. SEE CODES FOR ALL PRELIMINARY WALLS.
63. SEE CODES FOR ALL PRELIMINARY WALLS.
64. SEE CODES FOR ALL PRELIMINARY WALLS.
65. SEE CODES FOR ALL PRELIMINARY WALLS.
66. SEE CODES FOR ALL PRELIMINARY WALLS.
67. SEE CODES FOR ALL PRELIMINARY WALLS.
68. SEE CODES FOR ALL PRELIMINARY WALLS.
69. SEE CODES FOR ALL PRELIMINARY WALLS.
70. SEE CODES FOR ALL PRELIMINARY WALLS.
71. SEE CODES FOR ALL PRELIMINARY WALLS.
72. SEE CODES FOR ALL PRELIMINARY WALLS.
73. SEE CODES FOR ALL PRELIMINARY WALLS.
74. SEE CODES FOR ALL PRELIMINARY WALLS.
75. SEE CODES FOR ALL PRELIMINARY WALLS.
76. SEE CODES FOR ALL PRELIMINARY WALLS.
77. SEE CODES FOR ALL PRELIMINARY WALLS.
78. SEE CODES FOR ALL PRELIMINARY WALLS.
79. SEE CODES FOR ALL PRELIMINARY WALLS.
80. SEE CODES FOR ALL PRELIMINARY WALLS.
81. SEE CODES FOR ALL PRELIMINARY WALLS.
82. SEE CODES FOR ALL PRELIMINARY WALLS.
83. SEE CODES FOR ALL PRELIMINARY WALLS.
84. SEE CODES FOR ALL PRELIMINARY WALLS.
85. SEE CODES FOR ALL PRELIMINARY WALLS.
86. SEE CODES FOR ALL PRELIMINARY WALLS.
87. SEE CODES FOR ALL PRELIMINARY WALLS.
88. SEE CODES FOR ALL PRELIMINARY WALLS.
89. SEE CODES FOR ALL PRELIMINARY WALLS.
90. SEE CODES FOR ALL PRELIMINARY WALLS.
91. SEE CODES FOR ALL PRELIMINARY WALLS.
92. SEE CODES FOR ALL PRELIMINARY WALLS.
93. SEE CODES FOR ALL PRELIMINARY WALLS.
94. SEE CODES FOR ALL PRELIMINARY WALLS.
95. SEE CODES FOR ALL PRELIMINARY WALLS.
96. SEE CODES FOR ALL PRELIMINARY WALLS.
97. SEE CODES FOR ALL PRELIMINARY WALLS.
98. SEE CODES FOR ALL PRELIMINARY WALLS.
99. SEE CODES FOR ALL PRELIMINARY WALLS.
100. SEE CODES FOR ALL PRELIMINARY WALLS.



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

2111 Emmos Road, Jackson, Michigan 49201
Student Suites
Jackson College - Campus View 3 - New Student Housing



NO.	REVISION	DATE
1	ISSUED FOR PERMIT	11/15/2018

Appendix #1 Set

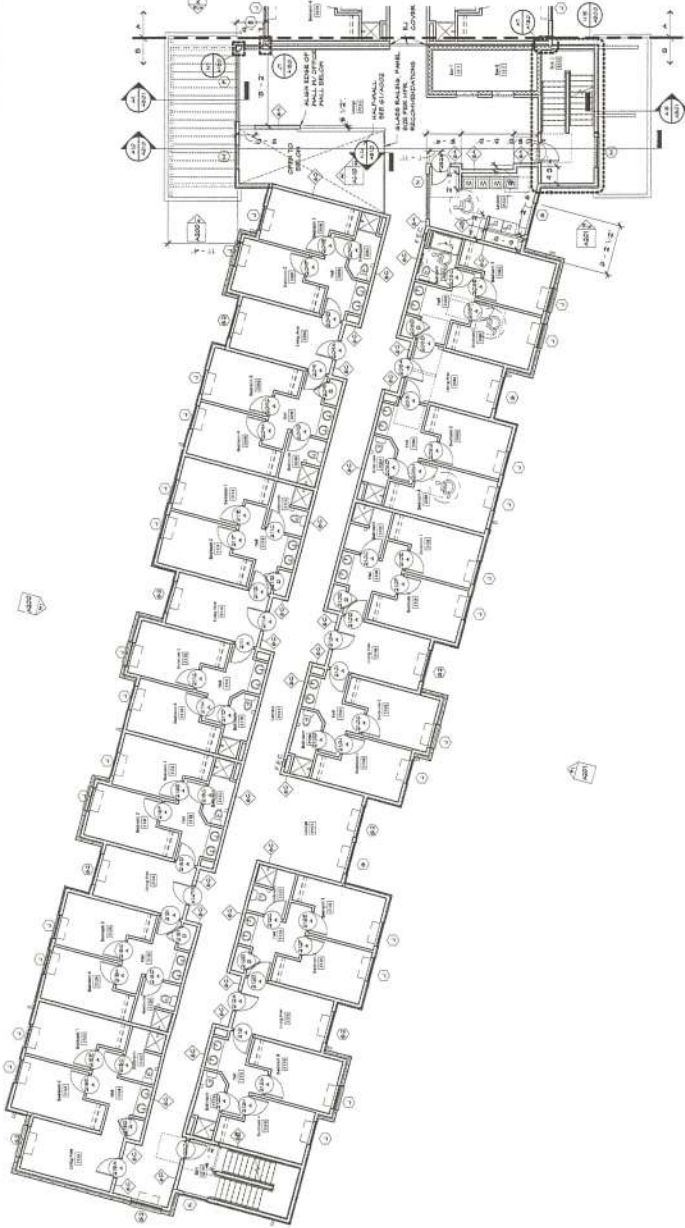
hollis + miller architects
1000 W. Main Street
Suite 100
Jackson, MI 49201
Phone: 616.421.1111
Fax: 616.421.1112
www.hollis-miller.com

LEVEL 1 - FLOOR PLAN

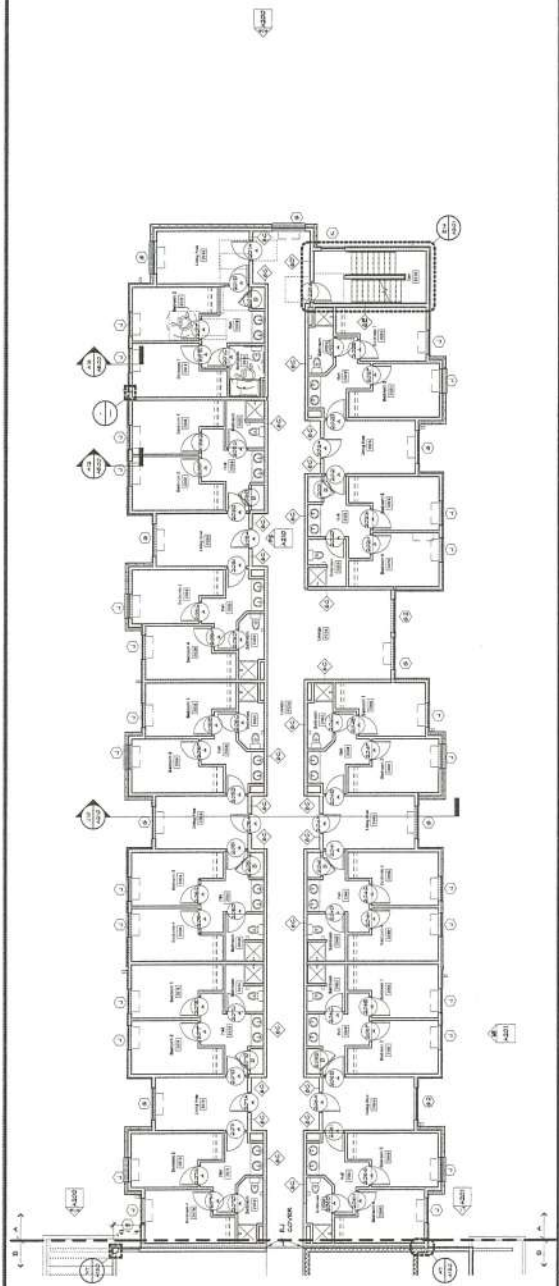
v2

KEY PLAN

► Public consider the environment before building this



U1	Scale	Level 2 Floor Plan - Area B
----	-------	-----------------------------



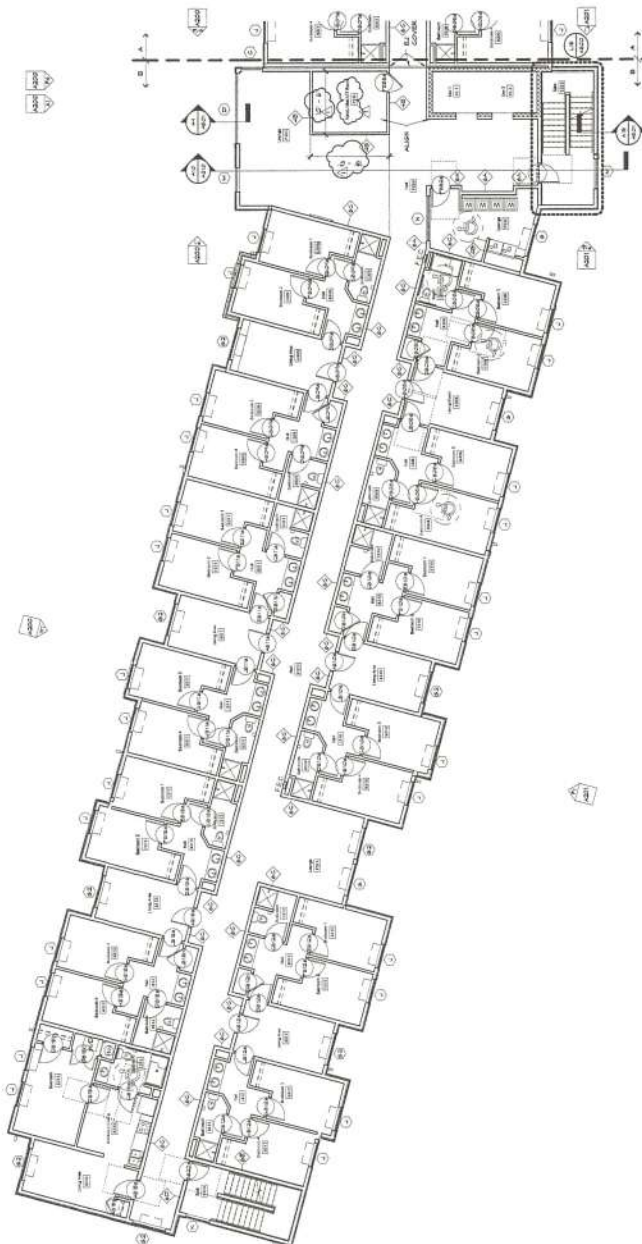
A1	Scale	
	Level 2 Floor Plan - Area A	

General Notes:

1. ALL DIMENSIONS ARE FROM THE FACE OF STEEL UNLESS NOTED.
2. SEE CODE PLAN FOR ALL PERMANENT WALLS.
3. SEE ENLARGED PLANS FOR SORE INFORMATION.
4. ALL WALLS BETWEEN DRILLING UNITS AND AT THE CONNECTIONS ONLY.
5. ITS AND GC KATHINGS OF 20 MM ARE REQUIRED.
6. ALL STEEL WALLS TO BE PARTITION TYPE 4B UNLESS NOTED.
7. REFERENCE 400I FOR PARTITION TYPE 4B INFORMATION.
8. REFERENCE 400I FOR PARTITION TYPE 4B INFORMATION.
9. REFERENCE 400I FOR PARTITION TYPE 4B INFORMATION.
10. REFERENCE 400I FOR PARTITION TYPE 4B INFORMATION.

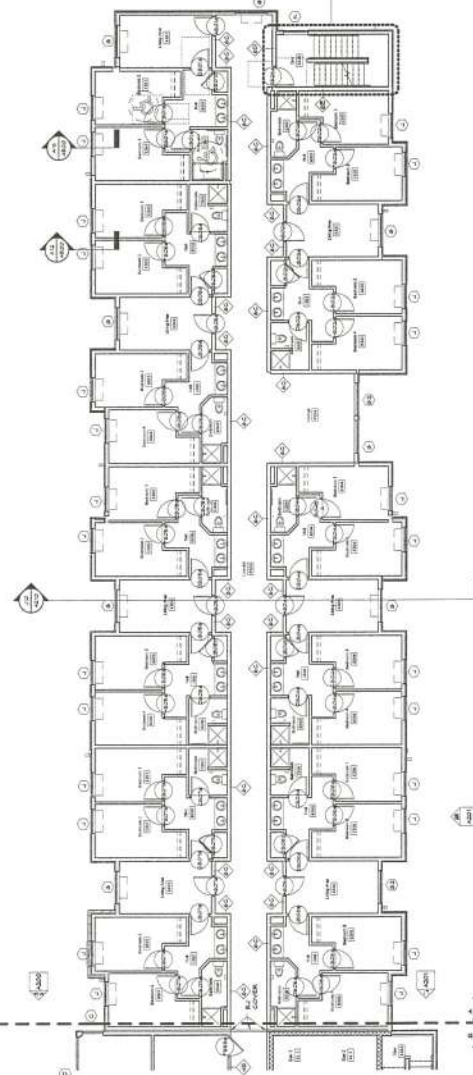
V 3

KEY PLAN



Level 3 Floor Plan - Area B

H1	Scale
----	-------



Level 3 Floor Plan - Area A

A1	Scale
----	-------

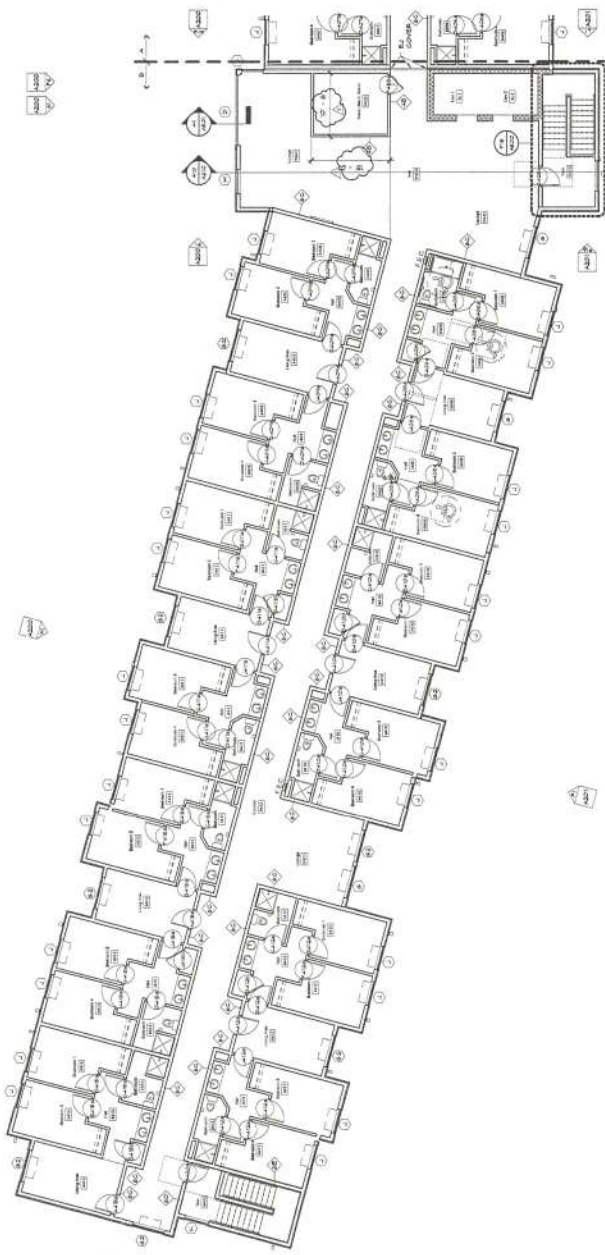


General Notes:

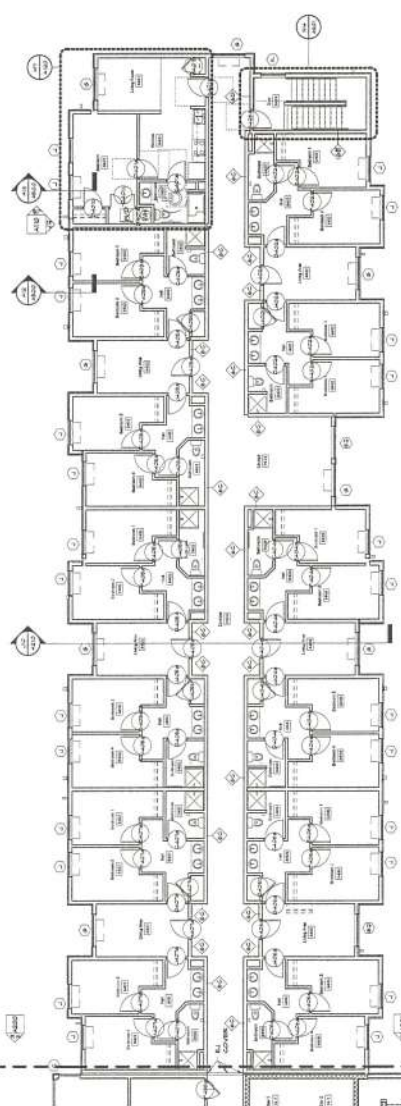
1. ALL DIMENSIONS ARE GIVEN THE FACE OF STUD
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

V4

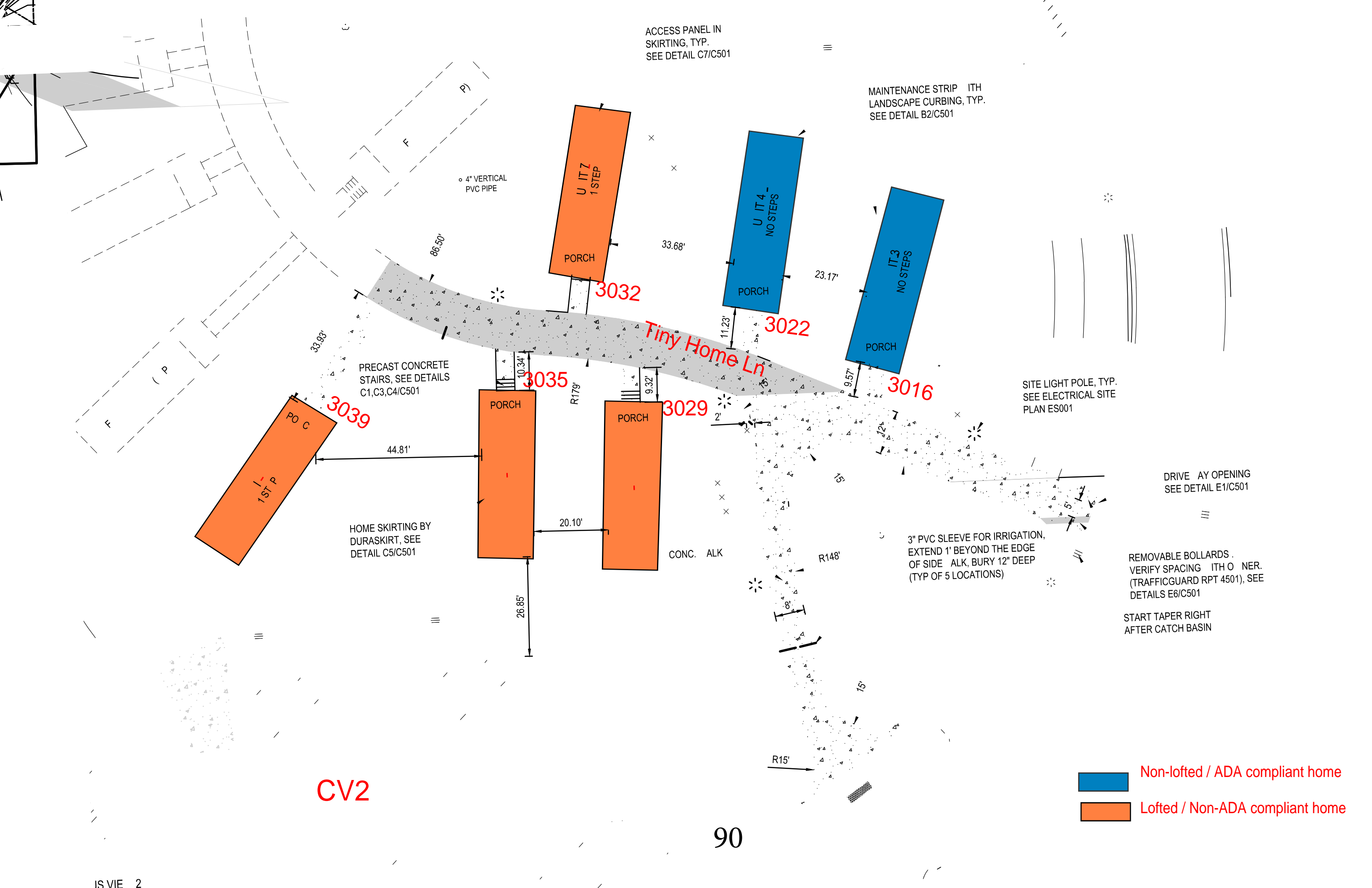
KEY PLAN

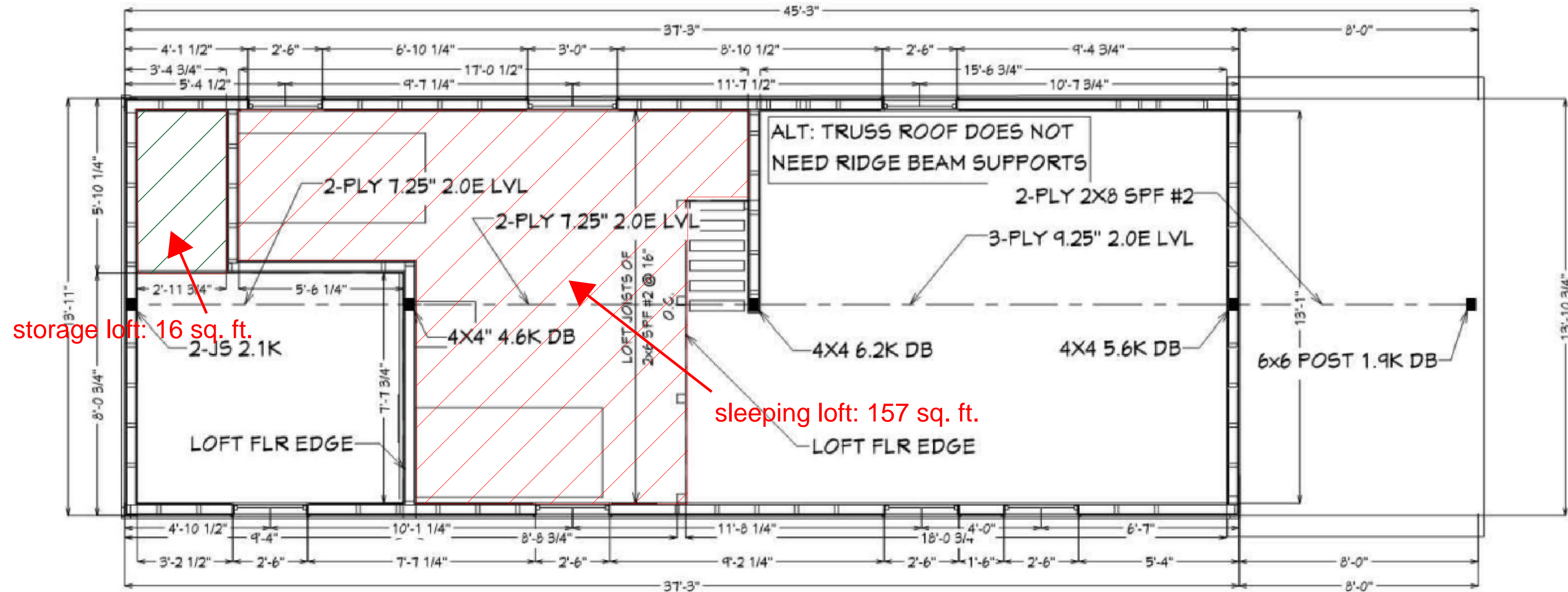


H1 Scale 1/8" = 1'-0"



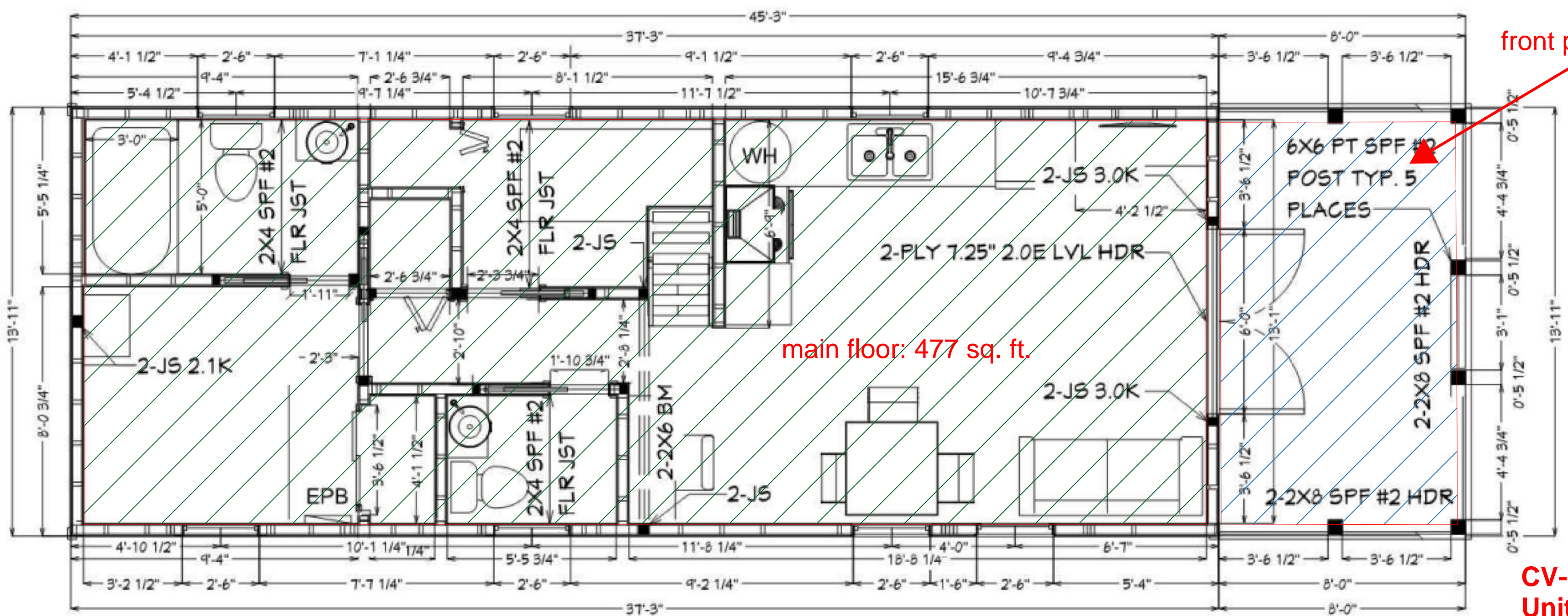
A1 Scale 1/8" = 1'-0"





3 LOFT LEVEL

SCALE: 1/4" = 1'-0"



MAIN FLOOR PLAN

SCALE: 1/4" = 1'-0"

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

Field Support Building

Room Number and Name : Square Footage:

100 Concessions : 216 sq ft

100A Dry Storage : 114 sq ft

101 Building Systems and Services : 115 sq ft

102 All Gender Restroom : 57 sq ft

103 Womens : 188 sq ft

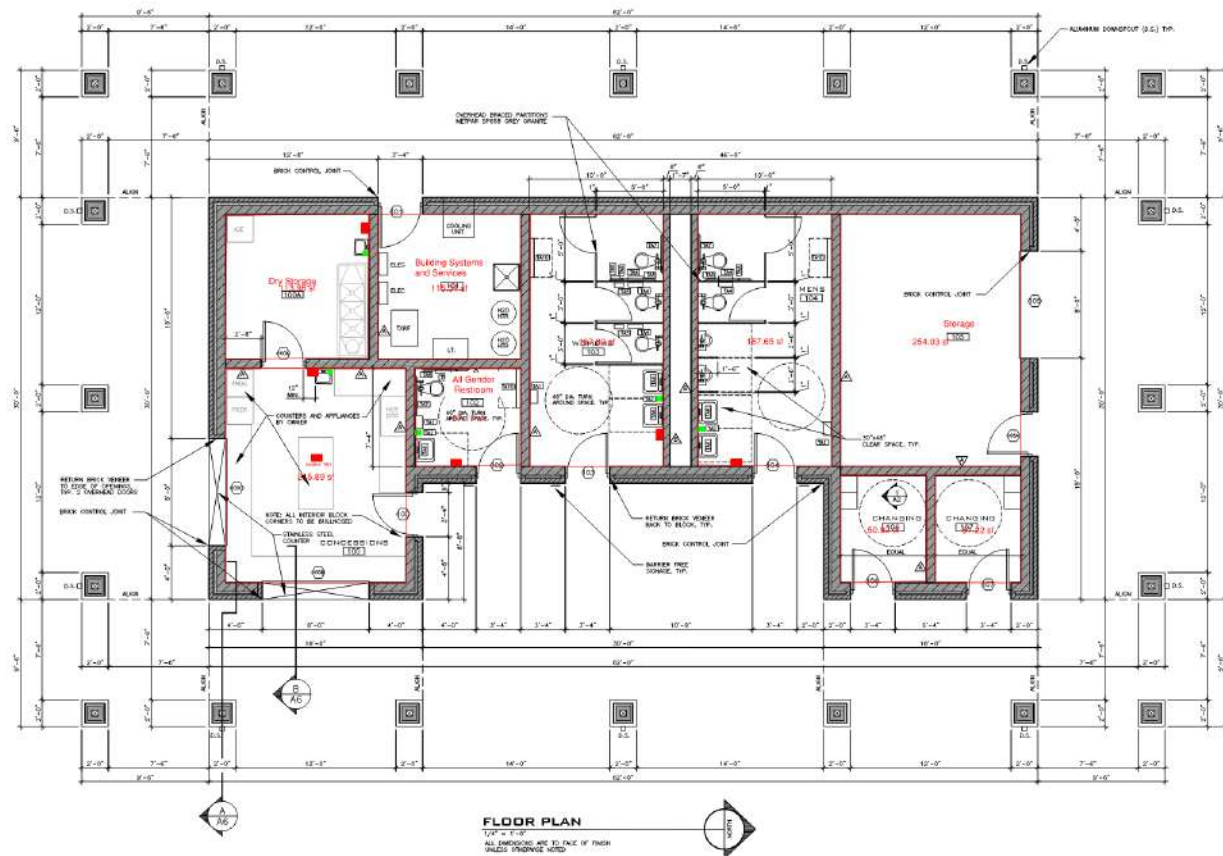
104 Mens : 188 sq ft

105 Storage : 254 Sq ft

106 Changing : 51 sq ft

107 Changing : 51 sq ft

Covered porch is not occupied space and therefore is not calculated



Construction: August 2022- February 2023

Building Identifier: (not yet identified)

VI. Fiscal Year 2025 Capital Project Request

FISCAL YEAR 2025
CAPITAL OUTLAY MAJOR
PROJECT REQUEST

Institution Name: Jackson College

Capital Outlay Code:

Request Code:

Project Title: STEM Remodel of James McDivitt Hall

Project Focus: ☒ Academic
Type of Project: ☒ Renovation

☐ Research
☐ Addition

☐ Administrative/Support
☐ New Construction

Approximate Square Footage: 117,000

Total Estimated Cost: \$45M

Estimated Duration of Project: 30 Mos.

Is the Five-Year Plan posted on the department's public Internet site?

YES

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

YES

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.

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

Program Focus of Occupants

2. 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>)

Additional Information:

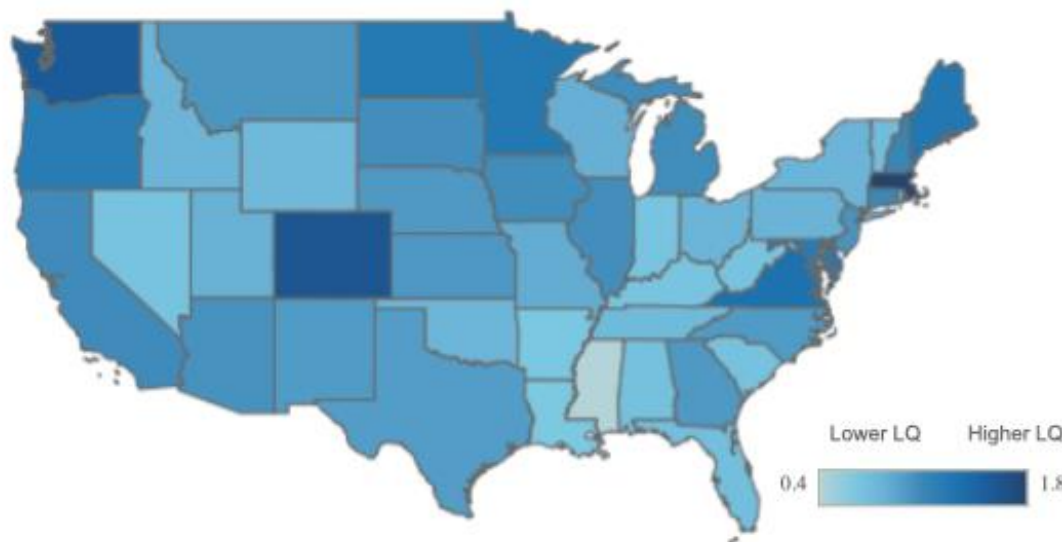
How does the project support Michigan's talent enhancement, job creation and economic growth initiatives on a local, regional and/or statewide basis?

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 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/>)

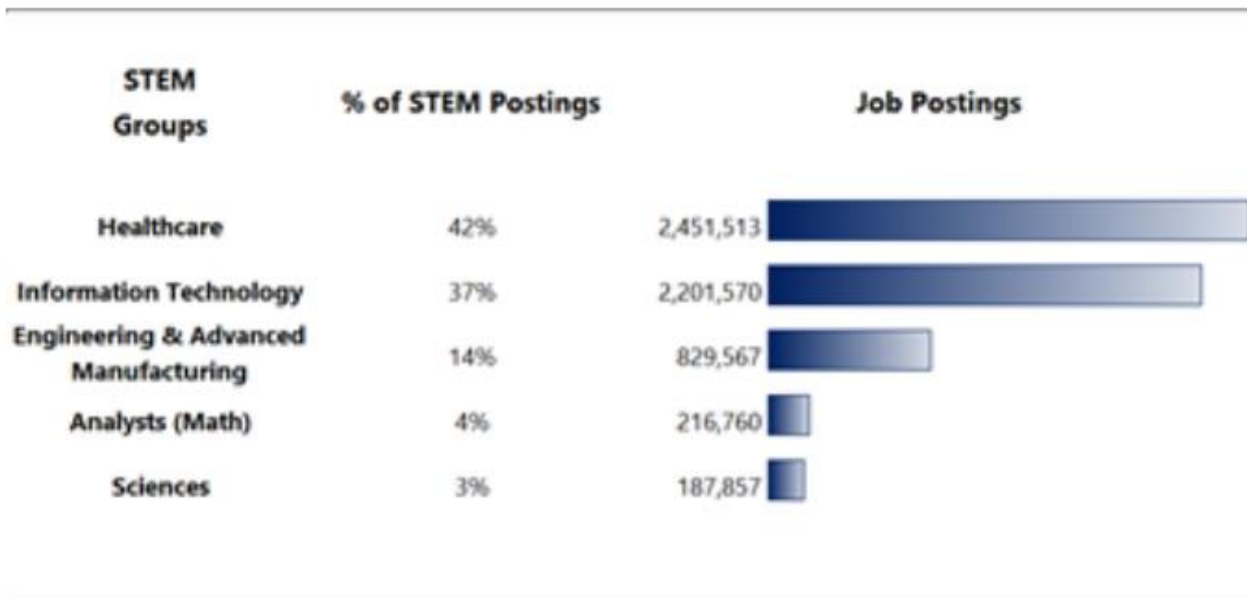
Further, it is our intention to partner with K-12 institutions, as well other colleges and universities to provide for STEM academies for dual enrolled students, advance STEM opportunities particularly for women and minorities, and enhance graduation rates for STEM students.

Data on the demand for STEM jobs is hefty with over 5.7 million job postings, according to Burning Glass. The graphic

Per Capita Concentration of Online STEM Job Postings



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.



How does the project enhance the core academic, development of critical skill degrees, and/or research mission of the institution?

The extensive renovation of Jackson College's Whiting Hall is essential in order enhance the critical instructional and workforce training demand for the region. Jackson College is the preeminent leader in education and workforce development that is looked upon by area employers as the educator of first choice. The College is looked upon to provide for a strong cadre of interns, contract training, economic development, and employee certificate and degree graduates. And while not a research-based institution of higher education, Jackson College's Office of Institutional Research and Effectiveness (IRE), does provide extensive outcomes and performance data on the instructional and workforce efforts of the College. Through this Capital Outlay project, Jackson College remains relevant and essential to the employer community by providing the competencies, skills, and abilities for their current employees, as well as with a steady stream of qualified students to meet their workforce needs.

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

The projected contemplated by this proposal, is a single, stand-alone-facility, with exterior classroom spaces. However, there is a physical "connector-walkway" to another nearby building, known as the Health Laboratory Center HLC. That said, no funds proposed in this Capital Outlay request will be associated with the HLC building.

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

As outlined previously, this building is a complete repurposing of the existing facility, with a minor square foot expansion of 20,000 square feet to better accommodate an increased number of simulation centers, training, and prototype lab spaces. Please note that the existing infrastructure (water, sewer, power distribution, boilers, air handlers, etc.) is all in critical need of replacement, and is failing in some areas, and as such, cannot be repurposed. However, much of the classroom furniture will be repurposed into the renovated facility.

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

The new renovation will indeed correct several current design flaws in the existing building, particularly related to access for people with limited mobility. Further, the new HVAC system contemplated for the facility will include elements that provide for the extreme reduction of airborne disease transmission, by incorporating a variety of filtration and intensive light technologies. Beyond this, the new elevators planned for the existing two-story building, will replace the two smaller ones wherein the cars are insufficient in size so to allow EMT patient transport stretchers/gurneys to enter.

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?

College has engaged the CampusWorks organization (see: <https://www.campusworksinc.com/>) to ensure the creation of a fully-integrated, relational ERP system, that will permit the College to provide real-time data regarding facility utilization, utilization rates, as well as improving utilization efficacy. At present, the process is a manual scheduling system and is a lagging indicator. The remodeled facility will include proximity polling systems that allow the college staff to monitor room utilization, energy consumption, occupancy times, etc. As this building is equipped with room and space monitoring systems, other campus facilities will be likewise equipped with an aftermarket product that will be added into the College's ERP data and campus facilities management systems.

This building, even in its current configuration is an essential tool in the College's ability to address critical instructional program needs in multiple applied and technical areas.

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

Jackson College is committed to becoming carbon neutral by 2028. To that end, the College will utilize Leadership in Energy and Environmental Design (LEED) guidance principles in both design and construction of the facility. The LEED certified building will be designed to save the college operational money, improve operating efficiency, lower the College's carbon emissions, and create healthier spaces for our students, guests, and employees. This work is critical to our ability to address climate change and meeting the Board of Trustee's ESG goals, enhancing organizational resilience, and supporting a more equitable region of the State of Michigan. Additionally, the construction methodologies utilized on this project will likewise be LEED compliant insofar as scrap materials will be sorted and recycled, as will the refuse from the demolition of the building.

Finally, as part of the design process, the project planning cycle will consider more sustainable options for building operations including the use of carbon credits, photovoltaic and ground thermal options. Minimally, the building development process will prioritize the use of highly efficient energy utilization systems, ensure a full building and equipment commissioning process, and closely monitor energy utilization through advance building censoring systems technologies.

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.

Yes, the intended source for the Jackson College 50% match is general operations and bond indebtedness.

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?

Given the limited local property tax support for Jackson College operations (i.e., 12% of the College's total revenue stream), and even though multiple requests for additional tax support and/or Headlee Override requests have been declined by Jackson County voters – who have continually denied such requests since 1964, the College is unable to provide additional project match funding for this Capital Outlay project.

It should be noted that such matching is not a requirement of the Capital Outlay legislation, and it is believed that our smaller institution should not be held to the same level of match expectation as other community colleges in the State which have local tax support in excess of 50-60% of their total revenue streams, not to mention the significant tax base of those larger metropolitan areas, as well as their substantial foundation capacities. Such practice is not statutorily required, nor is it equitable in awarding additional application review points for this. We respectfully request the elimination of this practice, or minimally providing some other weighting measure to allow for such huge variation in the resources available to large and smaller institutions.

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.

As a single, discrete building, the total operating costs will be reduced due to incredibly improved HVAC systems, including the introduction of energy management systems, and a reduction of energy costs. The addition of modest supplementary square footage will not create additional operation costs in excess of the savings obtained from energy efficiencies. The additional cleaning team service required for the minor additional spaces will be covered by another half-time support person.

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

Students will not feel the effects of any tuition increase beyond those of normal inflationary adjustments permitted by the Governor and the state legislature – which are currently based upon tuition increase caps.

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

Should Jackson College's request for Capital Outlay be denied, the College will continue to make application for future consideration. Beyond this, the College will be unable to add other instructional programs at a cadence that would allow for timely response to industries' changing needs, let alone attending to rising deferred maintenance costs. As noted previously, part of this project and its renovation is designed to address long-standing and extensive deferred maintenance issues of \$17.2MM that are beyond the immediate financial capabilities of the College. Consequently, the College will be strapped with addressing an unnecessary level of expenses related to energy costs and repairs – in some cases throwing good money after bad.

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

The College has contemplated other options in opposition to pursuing the capital outlay request, which has included seeking private/donor funding, additional millage support, and partnering with private organizations. None of these options were successful. As an example, the College has only 12% of its total revenue coming from the local taxpayer base. On 14 different occasions since its original millage of 1.33 mills in 1964, however all 14 requests for additional support were denied by voters. The millage, due to the Headlee effect, is now 1.13 mills. Though the College is seeking a Headlee Override request of Jackson County voters in November 2023, it is highly doubtful that it will be successful. This, in part, describes why the College is now working through the option of Capital Outlay to achieve its mission and objectives.