



**Utah Board of Higher Education
2023-24 Capital Facility Requests
Dixie Technical College
Building A, Room 223
Thursday, September 15, 2022**

1:00 PM – 1:10 PM	Introduction and Instructions for Capital Scoring	TAB A
1:10 PM – 1:20 PM	Capital Facilities Policy Revision	TAB B
1:20 PM – 1:30 PM	Finance and Facilities Committee Capital Tour Observations	
1:30 PM – 2:15 PM	Degree Granting Institutions – Dedicated Projects	TAB C
1:30 PM – 1:40 PM	Weber State University – Engineering Technology Building Renovation	TAB D
1:40 PM – 1:47 PM	Utah State University – Huntsman Experiential Learning Center	TAB E
1:47 PM – 1:55 PM	Utah State University – Science Engineering Research Building	TAB F
1:55 PM – 2:05 PM	Salt Lake Community College – Business Building Expansion & Remodel	TAB G
2:05 PM – 2:10 PM	Southern Utah University – Business Building West	
2:10 PM – 2:15 PM	Board Vote	
2:15 PM – 3:00 PM	Degree Granting Institutions – Non-Dedicated Projects	TAB H
2:15 PM – 2:25 PM	University of Utah – John & Marcia Price Computing and Engineering Building	
2:25 PM – 2:35 PM	Utah State University – Math & Statistics Building Renovation	
2:35 PM – 2:45 PM	Snow College – Center for Rural Studies and Community Development	
2:45 PM – 3:00 PM	Scoring, Final Prioritization and Recommendations	
3:00 PM – 3:15 PM	Break	
3:15 PM – 4:30 PM	Technical Education Institutions	TAB I
3:15 PM – 3:25 PM	Bridgerland Technical College – Manufacturing & Construction Programs Renovation	
3:25 PM – 3:35 PM	Davis Technical College – Emergency Services Training Center	
3:35 PM – 3:45 PM	Dixie Technical College – Trades & Technology Building	
3:45 PM – 3:55 PM	Mountainland Technical College – Wasatch Campus Building	
3:55 PM – 4:05 PM	Ogden-Weber Technical College – Pathway Building	
4:05 PM – 4:15 PM	Uintah Basin Technical College – Health Science Building	
4:15 PM – 4:30 PM	Scoring, Final Prioritization and Recommendations	
4:30 PM – 4:55 PM	Land Bank Requests	TAB J
4:30 PM – 4:35 PM	Mountainland Technical College – Wasatch Campus	
4:35 PM – 4:40 PM	Snow College – Ephraim Property & Nephi Property	
4:40 PM – 4:45 PM	Weber State University – Farmington Property	
4:45 PM – 5:00 PM	Board Recommendations for Land Bank Requests	
5:00 PM – 5:05 PM	Mountainland Technical College - Acquisition of Property	TAB K
5:05 PM – 5:10 PM	Closing Comments	

Projected times for the various meetings are estimates only. The Board Chair retains the right to take action at any time. To ensure availability, individuals needing accommodations under the Americans with Disabilities Act (including auxiliary communicative aids and services) for this meeting or the materials should notify Brynn Fronk at brynn.fronk@ushe.edu, 60 South 400 West, Salt Lake City, UT 84180 (801-646-4783), at least three working days prior to the meeting.



MEMORANDUM

TAB A

September 15, 2022

FY 2023-24 Capital Facility Review and Recommendations

Board policy R743, *Degree-granting Institution Dedicated Capital Project Allocation*, requires the USHE Board of Higher Education to review and authorize dedicated projects submitted by degree-granting institutions to use allocated funds in the Higher Education Capital Project Funds.

Board policy R742, *Degree-granting Institution Nondedicated Capital Project Prioritization Process*, requires the USHE Board of Higher Education to review state-funded capital development project requests and prioritize based on the most pressing and critical needs in the system. Statute allows the Board to submit one project for degree-granting institutions and one project for technical colleges to the state legislature for funding consideration in FY 2023-24.

Board policy R744, *Technical College Capital Project Prioritization Process*, requires the USHE Board of Higher Education to review and prioritize projects submitted by technical colleges, for consideration by the legislature for funding in FY 2023-24.

Degree-Granting Institutions – Dedicated Projects

Institution	Capital Project	Amount
Weber State University	Engineering Technology Building Renovation	\$8,298,958
Utah State University	Huntsman Experiential Learning Center	10,000,000
Utah State University	Science Engineering Research Building	4,200,000
Salt Lake Community College	Business Building Expansion & Remodel	18,063,400
Southern Utah University	Business Building West Addition	<u>12,500,000</u>
		\$53,062,358

Degree-Granting Institutions – Non-Dedicated Projects

Institution	Capital Project	Amount
University of Utah	Price Computing & Engineering Building	\$98,766,271
Utah State University	Math & Statistics Building Renovation	25,456,221
Snow College	Center for Rural Studies and Community Development	<u>35,864,929</u>
		\$160,087,421

Technical Colleges

Institution	Capital Project	Amount
Bridgerland Technical College	Manufacturing & Construction Renovation	\$24,749,979
Davis Technical College	Emergency Services Training Center	4,225,840
Dixie Technical College	Trades & Technology Building	46,625,158
Mountainland Technical College	Wasatch Campus Building	65,737,403
Ogden Weber Technical College	Pathway Building	79,293,838
Uintah Basin Technical College	Health Science Building	73,495,739
		\$294,127,957

Land Bank

Institution	Capital Project	Amount
Mountainland Technical College	Wasatch Community – 8.2 Acres	\$3,000,000
Snow College	Triple D	3,000,000
Snow College	Jorgensen Property – 1.42 Acres	850,000
Snow College	Central Valley Medical Center	2,000,000
Weber State University	Farmington Station – 6.57 Acres	<u>5,723,780</u>
		\$14,573,780

Additional information about these projects is found in the attachment. Institutions are prepared to discuss the relevance and need for the requested facilities to the Board.

Commissioner's Recommendation

The Commissioner recommends the Board:

- 1) review dedicated projects meet requirements in policy R741
- 2) become knowledgeable about the institutional project requests
- 3) discuss and score projects based on the highest and most pressing USHE needs
- 4) take final action to approve the top degree-granting and top technical college projects for submission to the governor and state legislature.

Attachments



UTAH SYSTEM OF
HIGHER EDUCATION

MEMORANDUM

TAB B

September 15, 2022

Capital Facilities Dedicated Projects Policy Revision

Background

During the 2019 session, the legislature passed S.B. 102, *Higher Education Capital Facilities*, which created a new process for funding USHE capital facilities projects. For degree-granting institutions, the legislation requires the Board to allocate appropriations to the institutions based on a funding formula comprised of six factors. For technical education institutions, the legislation requires the Board to prioritize capital projects based on institutional need.

The Board adopted and revised several policies to implement S.B. 102 in July 2022. The Commissioner proposes one additional change:

R745, *Approval Process for Use of Dedicated Capital Project Funds*: This policy provides the process for the Utah Board of Higher Education's approval of Utah System of Higher Education ("USHE") institutions' use of capital development project funds appropriated by the legislature for dedicated capital projects. The proposed change allows institutions to request, and the Board to approve, projects based on the anticipated balance in the Higher Education Capital Projects Fund in the upcoming fiscal year.

Commissioner's Recommendation

The Commissioner recommends the Board approve the proposed change to R745.

Attachment



R745, Approval Process for Use of Dedicated Capital Project Funds¹

R745-1 Purpose: To provide the process for the Utah Board of Higher Education’s approval of Utah System of Higher Education (“USHE”) institutions’ use of capital development project funds appropriated by the legislature for dedicated capital projects.

R745-2 References

- 2.1** [Utah Code § 53B-2a-117](#), Technical Colleges – Capital Development
- 2.2** [Utah Code § 53B-22-201](#), Capital Developments
- 2.3** [Utah Code Title 63A, Chapter 5b](#), Administration of State Facilities
- 2.4** [Board Policy R701](#), Capital Facilities
- 2.5** [Board Policy R706](#), Capital Facilities Planning
- 2.6** [Board Policy R743](#), Degree-granting Institution Dedicated Capital Project Allocation Formula
- 2.7** [Board Policy R744](#), Technical College Capital Project Prioritization Process
- 2.8** [Board Policy R751](#), Institutional Facilities Space Utilization

R745-3 Definitions

3.1 “Capital Development Project” means:

- 3.1.1** A remodeling or site or utility improvement project with a total cost of \$3,500,000 or more;
- 3.1.2** A new facility with a construction cost of \$500,000 or more; or
- 3.1.3** A purchase of real property if an appropriation is requested and made for the purchase.

3.2 “Capital Projects Fund” means a capital project restricted fund created by Utah Code sections 53B-22-202 and 53B-2a-118 to receive appropriations for USHE dedicated projects.

3.3 “Capital Program” means the services to define the scope and purpose of a proposed capital project as defined by Utah Code section 63A-5b-502.

¹ Adopted May 21, 2021; amended and renumbered July 14, 2022.

3.4 “Dedicated Project” means a degree-granting institution’s capital development project funded by the institution’s allocation under Utah Code section 53B-22-201 or a capital development project from the Board’s prioritization of dedicated funds for technical colleges under Utah Code section 53B-2a-117.

R745-4 Approval Process: The Board shall annually review and authorize dedicated projects submitted by degree-granting institutions or projects prioritized by the Board for technical colleges under Board Policy R744-8.

4.1 Capital Programming and Cost Estimation: Before an institution may submit a dedicated capital project for Board approval and legislative consideration, the institution shall create a capital program to define the scope and purpose of the facility. In collaboration with the Department of Facilities Construction and Maintenance (“DFCM”), the institution shall use the program to create a realistic construction budget estimate (“CBE”) for the project.

4.2 Submissions: Institutions shall submit capital development requests for funding from dedicated project allocations to the Board for evaluation based on procedures developed annually by the Office of the Commissioner, including a submission of the capital program and the construction budget estimate. Each institution may submit one or more projects. Project costs for the combined total of all submitted projects must be less than or equal to the institution’s anticipated balance in the Higher Education Capital Projects Fund after the annual Board allocation for the upcoming fiscal year. Institutions may not submit projects to the Governor, DFCM, or the legislature without prior Board approval.

4.3 Board Review and Authorization of Projects: The Board shall annually review dedicated project requests submitted by a degree-granting institution or by a technical college after the Board has prioritized the college’s use of funds under Board Policy R744-8 and vote to authorize or deny each project. Subject to available funding, if a degree-granting institution’s dedicated capital project or a technical college dedicated capital project prioritized by the Board under R744-8 meets the requirements of R741, *Capital Facilities Threshold Requirements*, the Board may authorize the project.

4.4 Board Submission of Authorized Projects: The Board shall submit its approved dedicated projects to DFCM and the Governor for review and recommendation and to the legislature for further consideration and authorization to use allocated funds in the Higher Education Capital Projects Funds. Institutions may not spend allocated funds unless affirmatively authorized by the legislature and funded by the legislature for operation and maintenance.

R745-5 Operation and Maintenance for Dedicated Projects: Under Utah law, all authorized projects may request operation and maintenance funding from the legislature in conjunction with

dedicated capital project funding. If the legislature does not fund the operation and maintenance for a particular project, the requesting institution must identify funds to operate and maintain the facility before construction may begin.

R745-6 Review upon Completion of a Dedicated Project: As required by statute, the Board shall review the costs and design of each capital project completed using dedicated capital project funds. Institutions shall submit all costs of a dedicated capital project to the Board, including but not limited to soft costs, land purchases, programming, design, and construction costs upon substantial completion. The institution shall also provide information to the Board on design decisions and elements for discussion in relation to costs of construction.

FY 2023-24 Dedicated Project Authorization Requests

Higher Education Capital Projects Fund Current (FY 23) and Anticipated Status (FY 24)

School	2022 General Session: FY 23				2023 General Session: FY 24	
	Base Approp.	Additional Approps. To Fund	From Fund	Balance	Base Approp. (e)	Balance (e)
UU	\$20,171,500		\$(4,800,000)*	\$15,371,500	\$20,171,500	\$35,543,000
UVU	\$15,079,000	\$64,921,000	\$(80,000,000)	\$0	\$15,079,000	\$15,079,000
USU	\$14,260,500		\$(14,260,500)*	\$0	\$14,260,500	\$14,260,500
SUU	\$12,510,000	\$16,190,000	\$(28,700,000)	\$0	\$12,510,000	\$12,510,000
UT	\$11,341,000	\$44,744,000	\$(56,085,000)	\$0	\$11,341,000	\$11,341,000
WSU	\$10,277,800	\$16,854,400	\$(27,132,200)	\$0	\$10,277,800	\$10,277,800
SLCC	\$9,031,700			\$9,031,700	\$9,031,700	\$18,063,400
Snow	\$8,018,200			\$8,018,200	\$8,018,200	\$16,036,400
Total	\$100,689,700	\$142,709,400	\$(210,977,700)	\$32,421,400	\$100,689,700	\$133,111,100

(e) = estimate based on anticipated base budget appropriation

*Legislative intent language directs \$4.8 million of University of Utah's FY 23 allocation for the Interdisciplinary Computing Building (GS22 HB 3, Item 369) and Utah State University's full FY 23 allocation for the College of Veterinary Medicine (GS22 HB 3, Item 157).

Requests for Dedicated Higher Education Capital Projects Fund Use

Institution	Capital Project	Amount
Utah State University	Huntsman Experiential Learning Center	\$10,000,000
Utah State University	Science Engineering Research Building	\$4,200,000
Weber State University	Engineering Technology Building Renovation	\$8,298,958
Salt Lake Com. College	Business Building Expansion and Remodel	\$18,063,400
Southern Utah University	Business Building West Addition	12,500,000
		\$53,062,358



Dedicated Capital Development Project Request

2023 General Session Authorization for Fiscal Year 2024

Weber State University

Engineering Technology Building Renovation – Phase II

New space	0
Remodeled space	34,866
Total Project space	34,866
Demolished space	0

Project Cost	\$8,298,958
Anticipated Dedicated Funds	\$8,298,958
Other Funds	0

Describe source and amount of other funds; attach letter(s) of commitment from donors that cite timing and amount of any donations

Institutional reserves, State Capital Improvement, and Energy Savings Reserves were used to cover the entire the first phase of this renovation. Dedicated development funding is needed to fund this critical second phase.

☐ Letter(s) of commitment attached

Threshold requirements for capital projects: [refer to R741-4](#) for instructions; ensure criteria are fully addressed

1. Cost Effective and Efficient Use of Resources

The renovation will preserve the structure and exterior of the facility as well as the basic floor plan layout. This will save several million dollars over the cost of a new facility. It will also remove several million from our defer maintenance program. The new systems currently planned for the space were also evaluated using the total cost of ownership. The systems will reduce the operating and maintenance cost and help the institution become carbon neutral.

2. Consistent with Institutional Role, Mission, and Master Plan

The Utah State Board of Regents has approved four new degrees that will be housed within the college: i. Masters Degree – Computer Science ii. Masters Degree – Electrical Engineering iii. Bachelor of Science – Mechanical Engineering iv. Bachelor of Science – Manufacturing

Systems Engineering Science, Technology, Engineering and Math (STEM) programs fuel the economic engine for much of northern Utah. With Hill AFB and its highly technical missions such as supporting the F-35 and ICBM programs, as well as other aerospace and scientifically related industrial giants like ATK, Boeing and other technical based firms increasing their presence in the area, the demand for engineers and engineering technicians can simply not be satisfied. This need for highly trained technically qualified employees is particularly acute in electrical and computer engineering and in the technicians who support the engineers. Currently, Utah companies have to import people skilled in these areas because the entire higher education system in the state cannot support the demand. According to Department of Workforce Services analysis, the college satisfies the most critical industry needs of software engineering, electrical engineering, and mechanical engineering and technology. This project will help redress that deficiency and allow Weber State University to educate highly skilled people who can fill highly compensated positions in these technical areas. Keeping these jobs in Utah helps the economy, improves the tax base, raises the overall standard of living, and improves Utah's competitive position in the world. The newly added Electrical Engineering Program has already produced 120 graduates. 115 of those graduates are currently employed as EE's; 109 of them in Utah: i. 49 Employed at HAFB ii. 12 Employed at BAE Systems iii. 11 Employed at Northrop Grumman iv. 8 Employed at L-3

3. Fulfillment of a Critical Institutional Need

Converting our critical academic buildings into modern, carbon neutral ready, highly effective and efficient buildings is a core strategic goal of the university. Engineering Technology is one of the oldest facilities that has not seen a major renovation since it was constructed 45 years ago. This project meets two critical needs of the institution. First, it updates antiquated spaces for new and modern programs, bringing critical programs into the 21st century. Second, the building will be converted to a carbon neutral ready mechanical and electrical systems and connect to new ground source geothermal condenser loops. EAST is one of the largest colleges at Weber State University, both in terms of students enrolled and with declared majors, and in terms of the amount of building space required to support their programs. The college is laboratory intensive and is severely overcrowded in their existing laboratory spaces. There is no room remaining for adding equipment or faculty and staff. Enrollment in the electrical and computer engineering programs is growing rapidly, reflecting the high demand for these skills and the higher compensation that can be expected. Overall, declared majors in EAST have grown from 1809 FTE in 2007 to 2479 FTE in 2017. Computer Science has grown from 203 FTE in 2007 to 1176 FTE in 2017. The electrical engineering program, which was only started in 2010, had already grown to 82 FTE by 2017. Growth in all of these programs has been accelerating each year. Between 2014 and 2016 the college experienced the greatest growth of graduates by both amount and percentage of any engineering college in the state.

FY2024 Capital Development Project Request and Needs Statement

State agencies complete pages 1-10 (blue headings). Higher Education institutions complete entire document. Please keep answers brief.

1 - GENERAL PROJECT INFORMATION

Request Type:

State Funded (Not Higher Ed)
Non-state Funded
Non-state Funded with O&M Request

Land Bank
Dedicated State Funded (Higher Ed ONLY)
Non-dedicated State Funded (Higher Ed ONLY)

Agency/Institution:

Project Name:

Agency/Institution Priority:

2 - PROJECT SCOPE

New Space Constructed (GSF)

Remodeled Space (GSF)

Total Project Space (Gross Square Feet)

Space to be Demolished (GSF)

Types of Space (describe the types and amounts of space proposed to meet the programmatic requirements)

3 - CAPITAL FUNDING

Preliminary Cost Estimate:

Previous State Funding:

(Funding previously provided for the project such as planning, land purchase, etc.)

Other Sources of Funding:

Is the Funding in-hand?

(Other sources of funding such as donations, federal grants, institutional funds, and debt. If debt is proposed for the project, identify the funding source for its repayment)

FY2024 Requested Funding:

Debt Repayment Source

Other buildings of similar size and function:

Name	Location	Ft ²	Year Built	Construction Cost	Cost per Ft ²

Capital Development Project Capital Budget Estimate (CBE)

Project Name:	ET Phase 2 MEP upgrade			Print Date 9/8/22
Project Type:	Mechanical Upgrades			
Agency/Institution:	Weber State University (WSU)			
Project Manager:	Tim Parkinson			
Delivery Method:	CMGC - Development	Project Location: Weber County		
Cost				
Cost Summary	\$/SF	\$ Amount	Notes	
Facility Cost	\$183.27/SF	\$ 6,389,746		
Additional Construction Cost	\$0.00/SF	-		
Site Cost	\$0.00/SF	-		
High Performance Building	\$1.83/SF	63,897		
Total Construction Cost	\$185.10/SF	\$ 6,453,644		
Soft Costs:				
	\$/SF	\$ Amount	Notes	
Hazardous Materials		\$ 537,381		
Pre-Design/Planning		-		
Design		428,522		
Property Acquisition		-		
Furnishings & Equipment		149,079		
Utility Fee Cost		-		
Information Technology:		100,031		
Utah Art (1% of Construction Budget)		-		
Testing & Inspection		79,745		
Contingency	6.7%	432,394		
Moving/Occupancy		51,629		
Builder's Risk Insurance (0.15% of Construction Budget)		9,680		
Legal Services (0.05% of Construction Budget)		3,227		
DFCM Management		-		
User Fees		-		
Commissioning		39,939		
Other Costs		13,686		
Total Soft Costs	\$52.93/SF	\$ 1,845,314		
Total Project Cost	\$238.02/SF	\$ 8,298,958		
Previous State Funding		\$ -		
Other Funding Sources (Identify in note)		\$ -		
REQUEST FOR STATE FUNDING		\$ 8,298,957.77		
Project Information				
Base \$/SF Cost Date - (Date Escalation Begins): 09/01/2022 Estimated Final Bid Date (Date Escalation Ends): 04/01/2023 Estimated Substantial Completion Date: 12/01/2023 Date Last Modified 08/31/2022				

OFFICIAL UTAH DFCM CBE FORM V2.0 Last Revision: 07-27-2022

4 - ONGOING OPERATING BUDGET FUNDING

Existing State-funded O&M	
Increase in State-funded O&M	
New Total State-funded O&M	

1. If applicable, describe all alternate proposed sources of O&M funding (fees, tuition, usage charges, etc.).
-
2. Is the requestor seeking ongoing state funding such as O&M and future capital improvement funding? If so, please justify.
-
3. Other than the state requirement to comply with the DFCM high performance building standard, describe any other strategies that you plan to employ in the facility that will make its operation more efficient.
-

New Program Costs

4. Describe the new or expanded programs and services that will result if the project is funded and provide a brief description of the additional program costs, required FTEs, and anticipated funding sources below. This should include any operating budget increases required, other than O&M, in order to operate the programs that will be housed in the requested facility. If this request will make that existing state space available for alternate uses, the above estimate should also include the estimated cost of new or expanded programs and services that will be housed in the vacated space.
-

New FTEs Required for O&M Programs	O&M		Programs	
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CALCULATION OF O&M FUNDING FOR FY 2024 STATE-FUNDED PROJECTS

Institution: Weber State University

Project Name: Engineering Technology Renovation, Phase I & II

GSF of Project		Sq. Ft.	Rate Per Sq. Ft.*	Total Amount
New Space to be Added				
	Type of Space			
	Classroom/Office		\$ 8.33	\$ -
	Libraries/Student Centers		\$ 7.72	\$ -
	Service/Shops		\$ 6.13	\$ -
	Labs		\$ 12.75	\$ -
	Physical Education		\$ 7.70	\$ -
	Subtotal - New Space	-	#DIV/0!	\$ -
Space to be Remodeled				
	Type of Space			
	Classroom/Office	47,022	\$ 9.25	\$ 434,954
	Libraries/Student Centers		\$ 8.58	\$ -
	Service/Shops	1,919	\$ 6.81	\$ 13,068
	Labs	25,925	\$ 14.16	\$ 367,098
	Physical Education		\$ 8.55	\$ -
	Subtotal - Remodeled Space	74,866	10.89	\$ 815,120
TOTAL GSF of Project		74,866	\$ 10.89	\$ 815,120
Less Current O&M for Space Remodeled/Deleted Where Applicable**		74,866	\$ 6.35	\$ 475,399
Net Funding Request				\$ 339,721

Explanation/Description:

This project request is request updated O&M funding for the entire Engineering Technology Building while the project funding request is only asking for the second phase of the construction dollars. The first phase was completed with state capital improvement dollars and institutional funding.

INSTRUCTIONS: Completion of this form is required for all state-funded projects to address questions raised by the Legislature and the O&M audit conducted by the Office of the Legislative Auditor General.

* Authorized Building Board Rates for FY 2023

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The rate to be used for deduction of the amount applicable to remodeled/deleted space is the FY 2020 calculated actual average cost per square foot reported on Budget Form S-2 of the FY 2021 Budget Request documents.

5 - EXISTING FACILITY

Existing Space (square feet) Currently Occupied

1. Is the existing facility owned or leased and why is it not able to meet your needs?

2. Describe the future use of the existing facility. Include functions to be served, costs of remodeling or expansions as well as the amount of deferred maintenance and code compliance that will need to take place in the existing facility to enable it for continued use. Additionally, describe how you intend to fund it.

6 - PROJECT EXECUTIVE SUMMARY

Use this section to provide a detailed justification of why the project is needed. Please address the following questions:

1. Describe the purpose for and scope of the project in detail, including all programs and services to be offered in the proposed facility.

2. Summarize specific numbers regarding the anticipated users of the building and square footage. How many years after the completion of the building would the building be at max space utilization capacity? The space utilization plan should account for 10 years of growth within the facility (not the campus as a whole). Once constructed, how many years until it reaches full utilization?

3. Has this request been submitted in previous years? If so, describe any and all changes that have been made to this request since previously being submitted.

4. Describe the various populations or constituencies served and how they will benefit. Estimate any increases in program capacity that will result if this request is funded (e.g. number of FTE students taught, prisoners housed, court cases handled, etc.).

5. Summarize your decision-making process that has led to this project request (e.g., construction of a new facility versus remodeling an existing building or a combination of build new and remodel existing). Discuss economic, functional, and programmatic considerations involved in your proposal.

6. Explain the degree of urgency for the project and your options and strategies should this facility not be funded, both in the interim and in the long term.

Submit feasibility study (as outlined below) as an attachment to this document. The feasibility study **MUST** be prepared by a third party. Below, please include page numbers where corresponding information can be found within the feasibility study.

Feasibility Study Requirements:**Page Number**

1. Include a table of contents within the feasibility study that includes the below sections and their associated page numbers. []
2. Describe the need for the proposed building and the appropriateness of its proposed scope and size. []
3. Detailed scope of the project to included: []
 - a. Space list outlining in detail the proposed square footage by space type such as office, classroom, conference rooms, auditorium / large meeting rooms, kitchen, laboratory (research or teaching), circulation, warehouse, shop lab, or other []
 - b. Adjacency diagrams []
 - c. Proposed floor plans []
 - d. Proposed building elevations []
 - e. Site plan options []
4. Provide the ratio of assignable and net square feet to gross square feet. []
5. Provide a detailed list including the justification for any unique elements or features considered to be out of the ordinary. []
6. Provide an assessment of the potential to re-use existing or expand existing facilities to meet this need. []
7. Provide justification for replacement of the existing facilities (if applicable) including what will be done with the existing facility such as sale, repurpose for another need, or demolition. []
8. Provide justification for a new facility (if applicable). []
9. Provide a space utilization study of existing and proposed space. Include the efficiency of the new space as compared to the existing space (include 5 - 10 year growth projections). []
10. Identify expected building capacity percentage for the following intervals along with corresponding projected FTEs and student attendance (online students and faculty are not included): []
 - a. Time of completion []
 - b. Three years after completion []
 - c. Five years after completion []
 - d. Ten years after completion []
11. Explain how this facility and its functions correspond with your agency or institution's Strategic Plan and campus Master Plan. Indicate when your Strategic Plan and Master Plan were last updated. []
12. Summarize the primary priorities or growth at your agency or institution and describe how the proposed facility will serve those needs. []
13. Where applicable, describe the potential positive and/or adverse economic and community impacts of the project []
14. Describe any special transportation considerations for this facility including parking, transit, and pedestrian requirements []
15. Describe your efforts to work with the surrounding communities should this facility be approved; including impacts to traffic, pedestrian safety, security, noise, excessive night time lighting, etc. []
16. Describe the extent that you have evaluated facility siting, including alternative sites where applicable, to include: []
 - a. Identification of location, size, and characteristics of the site, and estimated costs of any required environmental remediation []
 - b. If the site is not owned by the State, address the availability and cost of purchasing the site and the results of any appraisals that have been performed. Agencies should work with DFCM's real estate staff in addressing potential purchases. []
 - c. Provide a geotechnical report with a minimum of three borings in the proposed building site location that identify the soil classification for the building type unless waived by the DFCM director. []
 - d. Explain any special soils preparation requirements or seismic conditions that could increase site and structural costs beyond those considered standard for your area. []

7 - FEASIBILITY / PLANNING

17. Describe the availability and capacity of utility services including IT for the proposed facility. Specify whether the utility services will be provided by municipal, private, or local campus centralized services.
18. Show how the FF&E budget was arrived at. Provide the logic behind it. If applicable, identify any furnishings or equipment that will be re-used and moved from the current facility to the new location.

8 - FIVE-YEAR PLAN

Please list below the anticipated State-funded Capital Development projects planned for your agency/institution over the next five years. Include a short description/justification of each project and the approximate cost of the project.

Project #1 Name Approx. Cost

Funding Source

Description

Project #2 Name Approx. Cost

Funding Source

Description

Project #3 Name Approx. Cost

Funding Source

Description

Project #4 Name Approx. Cost

Funding Source

Description

Project #5 Name Approx. Cost

Funding Source

Description

As required by Title 63A-5-104 (2) (d) that an institution described in section 53B-1-102 that submits a request for a capital development project address whether and how, as a result of the project, the institution will:

1. Offer courses or other resources that will help meet the demand for jobs, training, and employment in the current market and the projected market for the next three, five, and ten years;

2. Help meet commitments made by the Governor's Office of Planning and Budget, including relating to training and incentives;

10 - SPACE UTILIZATION EFFORTS

The programming document shall include all of the minimum requirements of the Feasibility Study.

This section demonstrates compliance with the Board of Higher Education approved space utilization standards
(Include the classroom and laboratory for now and then any future requirements for office and common area spaces).

1. Provide projected enrollment and/or employee growth specific to the requested building as well as for the institution as a whole (i.e. if the request is for a science building, provide enrollment growth for students in the science fields using the building as well as FTE growth in general for the institution). What is the estimated time frame for the building to reach full utilization?

11 - LAND BANK ACQUISITION REQUESTS

Requests for purchase of land from funds to be appropriated by the State Legislature for future use by an agency or institution will be evaluated based upon approved programmatic planning and facilities master plan requirements of the institutions.

General Considerations

Provide detail for the following considerations that will be taken into account in evaluation of these requests:

1. Provide the location and description of the property including any existing permanent structures.

2. Provide current availability of the land and "time sensitivity" of the window of opportunity for its purchase.

3. Provide the intended use of the land and its relative importance in the context of the agency or institution's role and mission assignment and strategic plan for the future.

4. Where applicable, provide the suitability of the property for the intended use (ingress/egress, proximity of utilities, percentage of buildable area, geo-technical, etc.)

5. Provide reasonableness of the cost as determined by an appraisal or other reasonable estimate of the value of the land.

11 - LAND BANK ACQUISITION REQUESTS

6. Provide the condition of the land, including the potential liability of the institution pertaining to clearing the property, potential existence of hazardous waste, greenhouse gas emissions, etc.

7. If applicable, provide the condition and potential use of existing structures and describe what actions and incurred costs would be necessary to utilize existing structures.

12 - TECHNICAL COLLEGE STATUTORY REQUIREMENTS

State statute specifies that the State Building Board must determine that the requirements of UCA 53B-2a-112 have been met before it may consider a funding request from the Board of Higher Education pertaining to new capital facilities and land purchases. Please describe how this project has met the requirements outlined in UCA 53B-2a-112.

13 - PHOTOGRAPHS AND MAPS

Any photographs, other graphics justifying the project, and/or maps showing where the facility will be located should be attached to the end of this document and submitted electronically. These should help explain the project and justify why it should be funded.

14 - SCORING ANALYSIS FOR BOARD OF HIGHER EDUCATION CRITERIA

Please provide justification to aid the Board of Higher Education in applying Capital Development Priority Guidelines. See USHE policy R743 4.4 step 4 for detail requirements. This section only applies to state-funded project requests (dedicated or non-dedicated).

1. Cost-effectiveness and efficient use of resources

2. Consistent with institutional role, mission, and master plan

3. Fulfillment of a critical institutional facility need



Engineering Technology Building Renovation



WSU Engineering Technology Building Renovation Feasibility & Space Planning Report

April, 2021



WEBER STATE
UNIVERSITY

GSBS
ARCHITECTS



INDEX

- Vision & General Scope of Work
- Programming & Space Planning
- Building Plans – New & Comparison
- Architectural Narrative
- Structural Narrative
- Mechanical & Plumbing Narrative
- Electrical Narrative
- Cost Estimate
- Appendix – Electrical Drawings
- Appendix - WSU Owner Project Requirements

VISION

WSU's College of Engineering, Applied Science and Technology (EAST) is undergoing a physical transformation. Along with the design and construction of two new buildings, the Engineering Technology Building (ET) will be renovated to replace aged building systems and to reorganize space left vacant as the new buildings are occupied. The work is expected to improve the energy efficiency of the building by replacing the old and inefficient HVAC and lighting systems. Select interior and exterior architectural elements will also be replaced to enhance energy efficiency efforts. The combined work is expected to extend the building's service life by decades, creating a reinvigorated and valuable asset for the College and University.

SCOPE OF WORK

General

The renovation includes the complete replacement of HVAC systems, significant upgrades to electrical power distribution, limited envelope upgrades, and moderate interior renovation. Except for a few minor modifications, and the seismic restraint of new equipment, no structural work is included. Site work is also not generally anticipated.

Phasing

Two phases of construction are planned to reduce the project's impact on academic operations during the fall and spring semesters, and to allow for different funding options.

The building has two distinct mechanical rooms. The north mechanical room generally feeds both floors of the north side of the building and contains a tie-in to the campus-wide steam system. The south mechanical room services the south side of the building. The north-south division of systems, and the location of the steam system tie-in, dictate which areas are phased together and how the work is sequenced.

The first phase of work will address the south half of the building and will maintain the existing tie-in to the campus steam system. This will allow the north side to remain heated during the winter, between construction phases. The second phase will address the north half. In general, all mechanical, plumbing, electrical, and interior architectural elements on a side of the building will be addressed in the appropriate phase. The phasing of envelope improvements (aluminum storefront, overhead coiling shop doors, windows, etc.) is yet to be determined. Early phasing is preferred. The architectural plans, included in this report, visually articulate the division between phases of work.

Hazardous Materials Abatement

Assessments done for earlier work in the building confirm that lead and asbestos hazards are present. A more comprehensive study is currently underway through DFCM, but results are not yet available. Abatement operations will be required, and the cost and duration of this work should be considered in the next phase of planning and design.

SPACE PLANNING

A distinct planning effort was conducted with the following goals:




- Understand how vacated space in the building can be backfilled to enhance value to EAST and accommodate significant occupancy by WSU's Information Technology department.
- Improve classroom functionality.
- Enhance ADA compliance.

Since the initial programming effort in August 2019, WSU has further clarified who is expected to occupy the renovated space. Design of the two new buildings is also complete allowing full definition of the departments and spaces accommodated by those projects. The following space program reflects this new information. Dean Ferro and WSU's Information Technology leadership have provided input and validation of the results.

Floor plans of the existing and renovated ET building follow the space program. Many minor adjustments are made to existing components in order to accommodate new needs and improve the facility. The Architectural, Structural, Mechanical/Plumbing and Electrical sections include further discussion. The most significant changes in the plan, however, reflect a single, broad strategy to improve classroom functionality while enhancing ADA compliance. Areas with small, awkward, non-ADA compliant office groupings are renovated into larger and better proportioned classroom spaces. These larger classrooms better fit expected class sizes and allow for more efficient and flexible use of space. The displaced offices are relocated to better organized, ADA-compliant suites, primarily in the 1st floor south-east corner.







OFFICE & SUPPORT SPACES

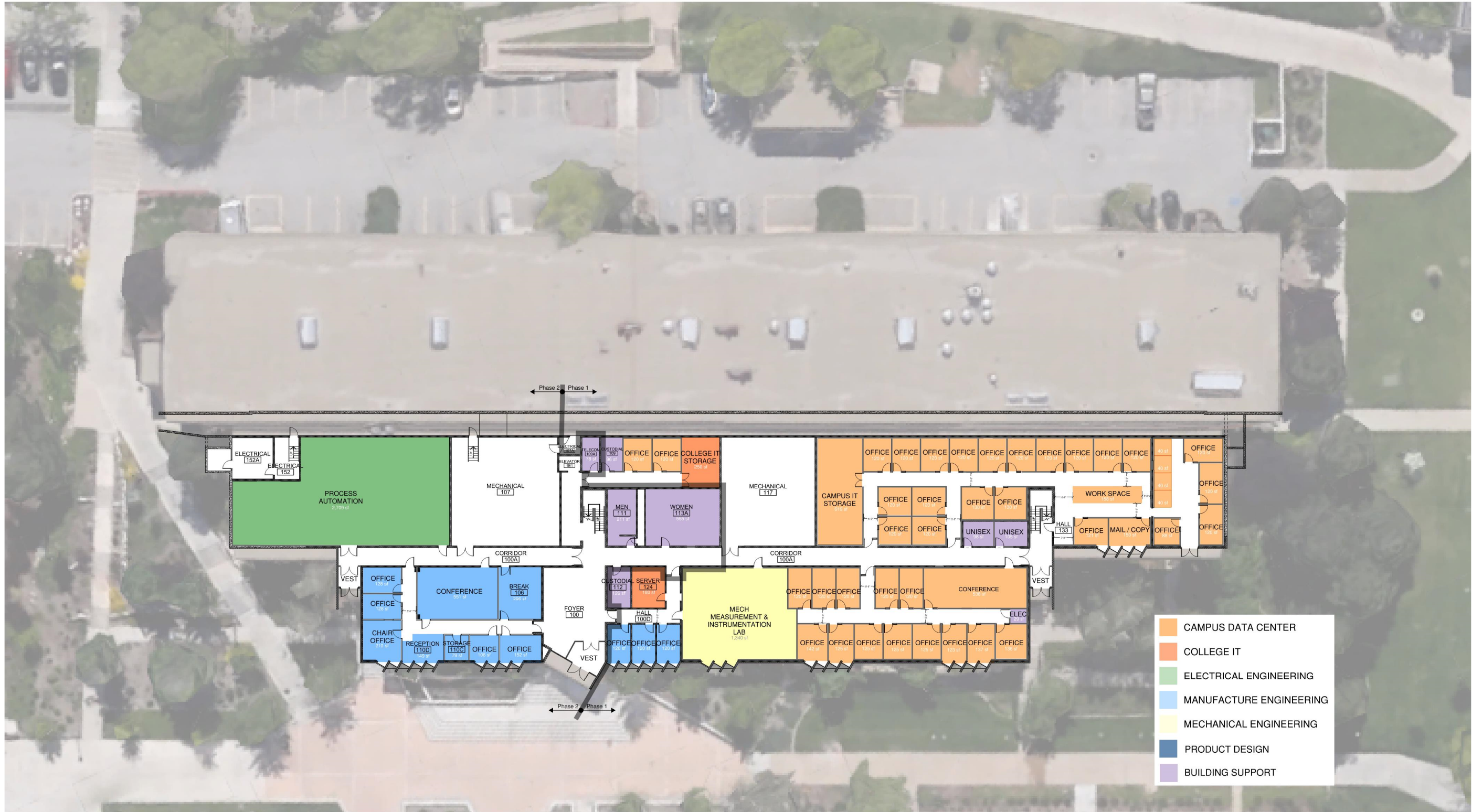
(Colors coordinate to Floor Plans)

Dept.	Space Name	Sq. Ft.	Qty	Total Sq. Ft.
ET: MFET				
	Department Chair	150	1	150
	Faculty Offices	120	7	840
	Adjunct Faculty	40	2	80
	Reception / Admin	180	1	180
	Work Room	180	1	180
	Break Room	240	1	240
	Conference Room	250	1	250
Department Total				1,920
ET: ELECTRICAL ENGINEERING TECH (EET)				
	Faculty Offices	120	10	1,200
	Adjunct Faculty	40	1	40
	Conference Room	250	1	250
Department Total				1,490
CAMPUS DATA CENTER				
	Office	120	36	4,320
	Storage (Infrastructure)	600	1	600
	Work Space (Infrastructure)	150	1	150
	Common Mail Room/copy room	120	1	120
	Dedicated Conference Room	500	1	500
Department Total				5,690
TOTAL OFFICE & SUPPORT				9,100

TECHNICAL & LEARNING SPACES

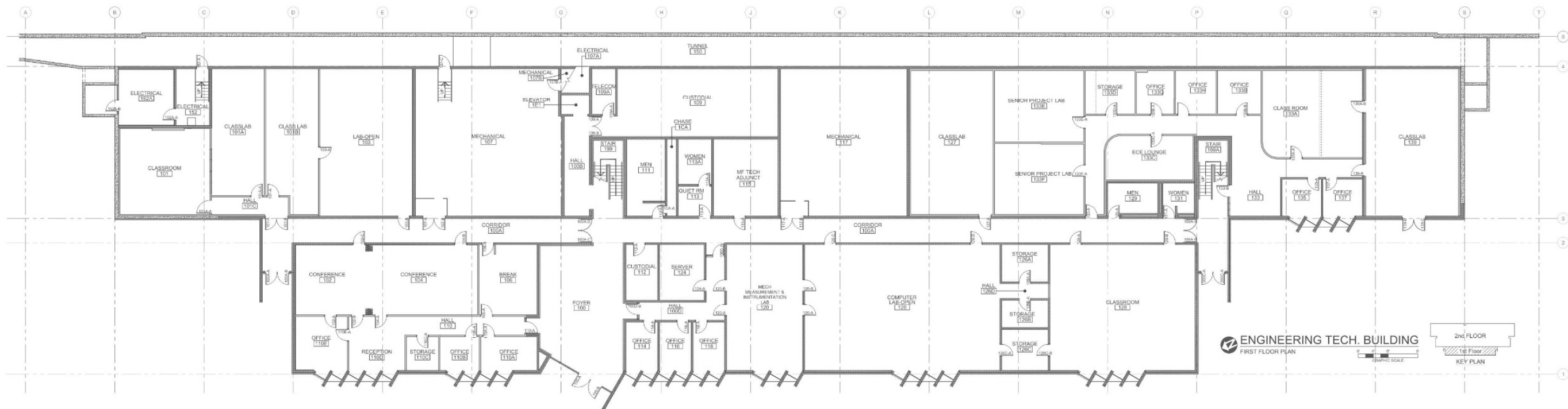
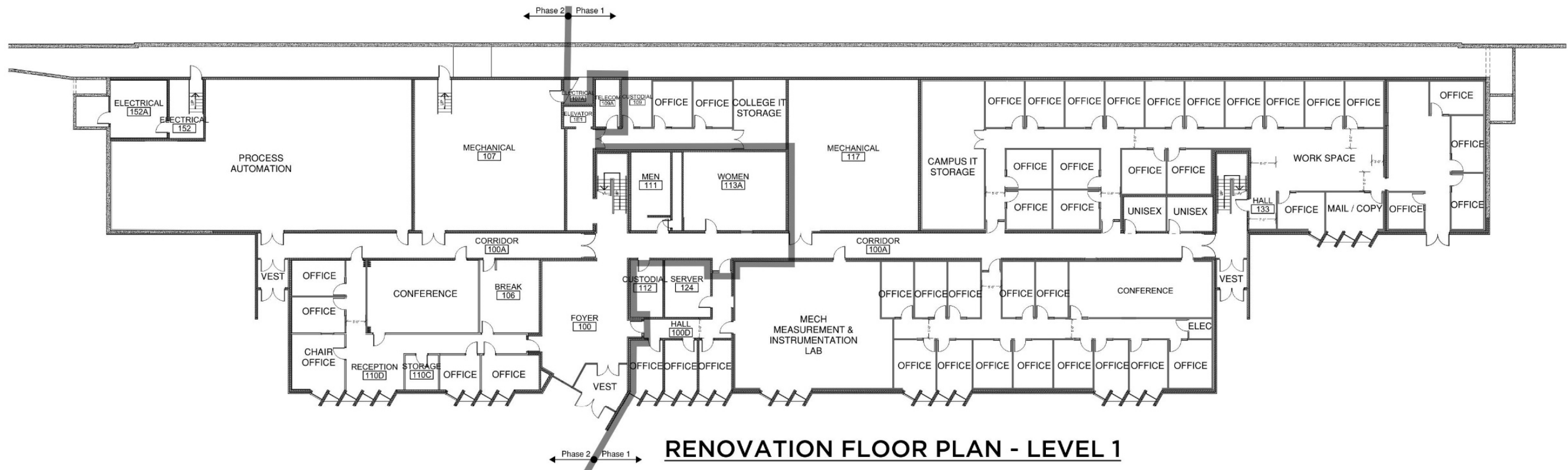
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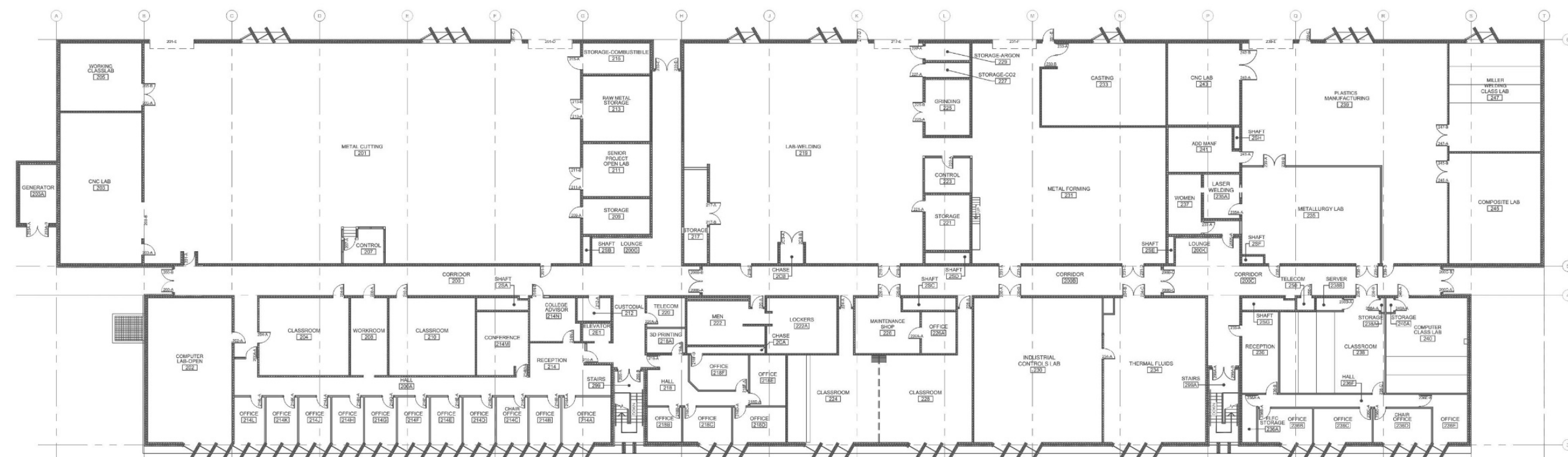
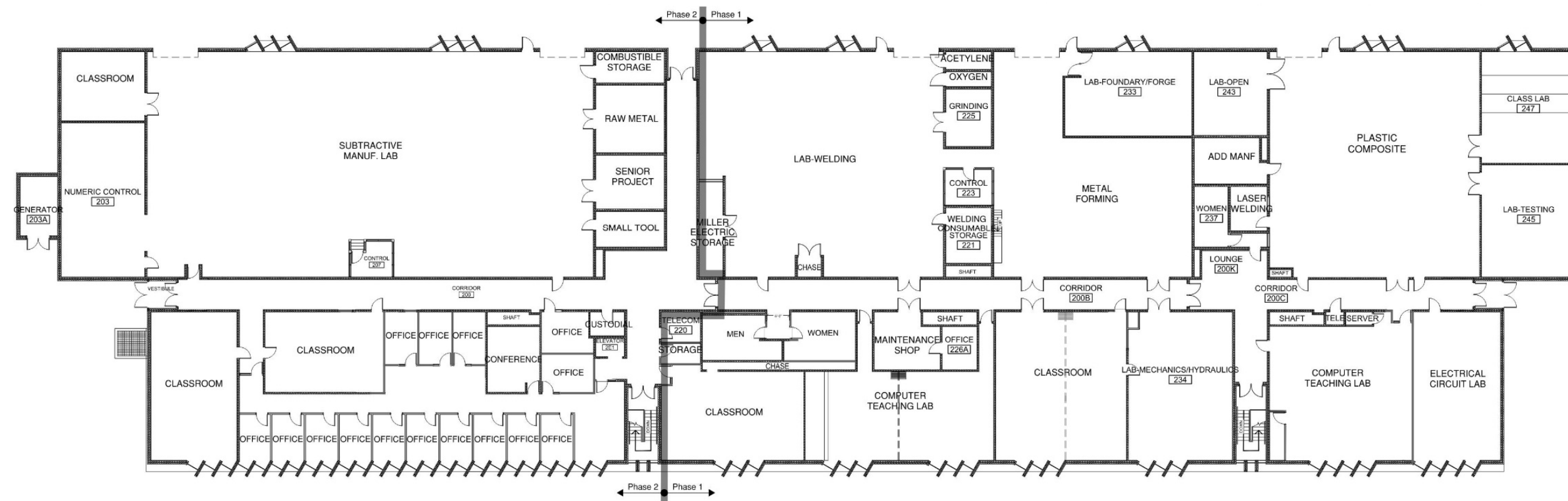
Dept.	Space Name	Sq. Ft.	Qty	Total Sq. Ft.	Occup.	Existing Room #	Notes
ENG TECH: MFET SHOPS							
	Plastics and Composite Lab	4,620	1	3,617		235/239/245	
	Subtractive Manuf. Lab	7,260	1	7,260		201	
	Tool Crib	165	1	165		209	
	Flammable Storage	150	1	150		215	
	CNC Lab	1,320	1	1,320	18	203/243	
	Casting Lab	1,135	1	1,135		233	
	Metal Forming	2,475	1	2,475		231	
	Additive Manuf. Lab	990	1	817		207/235A/241	
	Industrial Controls Lab	660	1	660		230	
	Material Storage	330	1	330		213	
	Classroom	660	1	413	24	238	
	Senior Project Open Lab	263	1	263		211	
	Grinding	186	1	186		225	
	Control	118	1	118			
	Department Total			18,909			
ENG TECH: MFET LABS							
	Thermal Fluids / Hydraulics	1,320	1	1,320		230	MF has their robots in this space
							Includes Offices, tool room, grinding room, sen. Projects fab, rack& plasma cutting, CNC plasma cutting, welding booth area
	Welding	4,500	1	4,500		219	
	Welding Consumable Storage	330	1	183		221	
	Welding Storage Shed (ext)	1,320	0	-			Request New door
	Miller Electric Storage	330	1	330			
							Secure room, two small pieces of equipment, shielded
	Laser Welding Room	120	1	120		217	
	Gas Bottle / Manifold	330	1	330		229/227	
	Maintenance Shop	350	1	350		226	Includes Office, storage, work area
	Miller Welding Classroom	740	1	740	30	247	Tiered classroom, near welding
	Department Total			7,873			
ET: ELECTRICAL ENGINEERING TECH (EET)							
	Process Automation	2,640	1	2,640	24		Including Industrial Control Lab
	Electrical Circuit Lab	1,320	1	920	24	101A/101B	
	Department Total			3,560			
MECHANICAL ENGINEERING							
	Measurement & Instrumentation	1,320	1	1,320	24	120	EET Inst. Lab
	Classrooms	800	4	3,200	32	204/210	
	Department Total			4,520			
ENGINEERING: PRODUCT DESIGN							
	Computer Teaching Lab	1,320	2	2,640	30	126	
	Department Total			2,640			
COLLEGE IT							
	College IT Storage	250	1	250			
	College IT Work / Prep Space	200	1	200		124	
	Department Total			450			
TOTAL OFFICE & SUPPORT				37,952			



ENGINEERING TECHNOLOGY BUILDING RENOVATION | FLOOR PLAN - LEVEL 1

LEVEL 1





ENGINEERING TECH. BUILDING
SECOND FLOOR PLAN

ARCHITECTURE

The scope of the architectural renovation is driven in part by the disruption necessary to replace all HVAC equipment. As such, ceilings and lighting are replaced throughout the building. The renovation also strives to backfill space occupied by the people and departments that will move into the new Noorda Building, or have already moved to the College's new facility at the Davis Campus. To suit the new occupant's needs, significant sections of office and academic areas are reorganized. In these areas, all new finishes, mechanical, plumbing, and electrical elements are anticipated.

The table below articulates architectural renovations deemed to be mandatory and those that may be optional. Note that areas being reconfigured (moving walls / reorganizing space) will require all new elements regardless of indications in this table. For this reason, the cost estimate covers the replacement of all floor coverings and painting all walls. It also considers the cost to create vestibules at all major entrances, not just the three noted entrances.

For each element of work, the anticipated work phase is also indicated (Phase 1-South / Phase 2 North).

Renovation Element	Mandatory	Optional	Phase	Notes
Ceilings	X		Both	
Existing Bathrooms	X		Both	Includes all finishes, fixtures, partitions, etc.
Locker Room 222 to Women's Restroom	X		1	
Restroom expansion into Office 115	X		2	
150 Lockers – Distributed within Shops	X		1	222C lockers removed. New lockers in shops
Flooring (Public Areas)	X		Both	Lobbies, Corridors, Classrooms
Concrete Slab @ Existing 109 Custodial	X		1	
Flooring (Non-Public)		X	Both	Offices, Service Areas
Painting (Public Areas)	X		Both	
Painting (Non-Public)		X	Both	Includes Shops
Wall Base (Public Areas)	X		Both	
Interior door slabs	X		Both	
Door hardware	X		Both	
Interior Stair Railing	X		Both	Square handrail replaced and guardrail added
Drinking Fountains	X		Both	
Exterior Storefront Entrances & Windows	X		Both	Coordinated with radiant heaters at perimeter
Add Vestibules	X		Both	Main, 2 nd floor North and South Entrances
Add Vestibules		X	Both	All other exterior entrances
Exterior Man Doors at Shops	X		1	Also includes hardware
Overhead shop doors	X		1	Includes electric operators and controls
Main West Entrance Enhancement		X	2	Soffit and lighting above storefront
Exterior Mechanical Louvers	X		1	Most are badly rusted
Exterior Railing at south-west entrance	X		1	Badly corroded
Abandon roof curbs / equipment	X		Both	Remove curbs, new deck, insulate, flat roof
Asbestos Abatement			Pre	Assessment and Work by WSU

Ceilings

Existing acoustical panel and hard-lid ceilings will be replaced in-kind with new assemblies matching WSU standards. An exception is existing Custodial Room 109 where there is currently no ceiling. This space will have a new acoustical panel ceiling.

Note that high-bay shops on the east side of the 2nd level do not have ceilings and none will be added.



Interior Doors and Door Hardware

All interior door slabs and hardware are expected to be replaced. Hollow metal door frames will remain and be used in new construction.

Interior Stair Railings

The railing at the two primary stairs is not code compliant. The existing handrail shall be removed and a new compliant hand and guardrail installed.

Drinking Fountains

2 existing drinking fountains shall be removed and replaced with a fixture similar to Elkay model EDFP19C. It is non-filtered, non-refrigerated, and is shallower than conventional fixtures. This fixture is expected to reduce its protrusion into the corridor and remove the ADA violation. Refrigerated units with a bottle filler are preferred, but the non-refrigerated unit has been approved by WSU in order to achieve ADA compliance.

Toilet Rooms

The building does not have enough water fountains or water closets and lavatories available to female occupants. The plumbing fixture code review below illustrates the deficiencies (Shown in Red). To meet code requirements, the project expects to create two additional women's restrooms (7 toilets minimum) and add 4 drinking fountains. The new restrooms will be located at existing rooms 222 and 115.

PLUMBING FIXTURE SUMMARY														
OCCUPANCY CLASS	OCCUPANCY	AREA	OCCUPANT LOAD	WATER CLOSETS				LAVATORIES				DRINKING FOUNTAINS		OTHER REQUIREMENTS
				MALE		FEMALE		MALE		FEMALE		DF		
				REQ	PROV	REQ	PROV	REQ	PROV	REQ	PROV	REQ	PROV	
		9,948 SF	0											
Assembly	A-3	3,155 SF	158	1	17	2	5	1	7	1	3	1	*7	1 Service Sink
Business	B	50,427 SF	1059	12	17	12	5	8	7	8	3	11	*7	1 Service Sink

* Including 2 Break Rooms.

Existing toilet rooms will be renovated to create ADA compliant, contemporary facilities. All finishes, plumbing fixtures, lighting, toilet partitions and counters will be removed and replaced.

Exterior Storefront windows and entrances

All existing aluminum doors and windows will be replaced with high performance, thermally broken storefront systems and new double-pane glass assemblies. The phasing of this work is still to be determined and is dependent on funding and construction methods related to the removal of heating units below many windows.

Public entrances to the building do not currently have vestibules. Per the plans, space for new vestibules is available, and new aluminum storefront systems will be constructed to create vestibules at each entrance.

Exterior Man-Doors at Shops

4 exterior grade hollow metal doors, frames, and related hardware will be replaced.

Overhead Coiling Shop Doors

5 high-R value metal coiling doors will replace all existing coiling doors. Seals and electric operators also require replacement.

Main West Entrance Enhancements

In addition to replacing the existing storefront and creating an interior vestibule, the soffit and lighting at the entrance will be replaced and a new custom entrance canopy installed.

Exterior Stair Railing

A deteriorated railing at the south-west corner of the building will be replaced with a stainless-steel railing.

Interior Walls

CMU, metal stud and wood stud walls are being demolished. All new walls will be standard metal stud construction. Walls between offices and around classrooms will require sound insulation. There are no instances of structural shear walls or bearing walls being removed. However, the Structural narrative articulates work required to create door or passageway openings in existing CMU walls at 5 locations on level 1.



STRUCTURAL

General Design Criteria:

Risk Category: III

Dead Loads: As required

Floor Live Loads:

- 80 psf at offices, classrooms, labs, corridors above first floor
- 2500 pound concentrated load

Flat Roof Snow Load:

- Pg: 46 psf
- Pf: 36 psf

*Use owner requested Pf:40 psf with consideration for drifting snow

There are five locations on level one where it has been proposed to either add wall openings or increase the size of existing openings;

- The entrance to the unisex restroom on gridline 3, between N and P needs to be relocated to the north.
- The two corridor entrances on gridline 3 at approximately gridline N and L.5, respectively, need to be enlarged to accommodate sidelights.
- The corridor entrance on gridline 2 at approximately gridline 3 needs to be enlarged to accommodate a sidelight.
- The east-west wall on approximately gridline M.5, between gridlines 1 and 2 is proposed to be modified by infilling the existing two openings with masonry and creating one new opening for a new north-south corridor.

These modifications are allowed and can be structurally justified using the provisions of the 2018 International Existing Building Code; Section 806.3; where the alterations will not decrease the capacity of existing elements by more than 10 percent.

MECHANICAL & PLUMBING

Project Description

The existing Engineering Technology building is intended to undergo a major renovation of mechanical systems. Plumbing changes will be made to accommodate the remodel work, and fire protection systems will be updated. The goal is to bring the building mechanical systems up to date and to extend its life by another 30 years.

MECHANICAL SYSTEMS

Water Source VRF:

The HVAC system shall be designed in conformance with the Campus Master Plan, which mandates that buildings are served by the existing central cooling tower loop that is the source for all cooling and heating demand.

This will be achieved with a water-cooled Variable Refrigerant Flow (VRF) system.

- Manufacturer will be Mitsubishi supplied by Applied Product Solutions.
- The system will be capable of simultaneous heating and cooling.
- Each office, classroom, lab, and shop space will be zoned independently.
- Performance requirements of the VRF system are as follows:

Mode	ECWT	Performance
Cooling	77	12.0 EER
Heating	50	3.6 COP

Construction Phase 1

- The south portion of the building includes offices, classrooms, labs, manufacturing shop spaces, and space for the campus IT center.
- There are approximately 55 temperature control zones in Phase 1. Each temperature control zone will have a ceiling cassette fan coil unit. Ducted fan coil units will only be used when the ceiling height is not appropriate for a cassette fan coil.
- Make-up air and ventilation air will be provided in the metal forming, plastics manufacturing, and welding shop spaces using dedicated make-up air units located in the mechanical mezzanines. Space conditioning will be provided by ducted VRF fan coil units.
- Phase 1 will include 12 twinned heat pumps.
 - Heat Pumps 1-4: 96 MBH each to provide a total of 348 MBH for offices, classrooms, labs, and campus IT.
 - Heat Pump 5-6: 336 MBH each to provide a total of 672 MBH for MAU-1.
 - Heat Pump 7-8: 168 MBH each to provide a total of 336 MBH for MAU-2.
 - Heat Pump 9-10: 144 MBH each to provide a total of 288 MBH for MAU-3.
 - Heat Pumps 11-12: 240 MBH each to provide a total of 480 MBH for DOAS-1.

Construction Phase 2

- The north portion of the building includes offices, classrooms, labs, and manufacturing shop spaces.

- There are approximately 40 temperature control zones in phase 2. Each temperature control zone will have a ceiling cassette fan coil unit. Ducted fan coil units will only be used when the ceiling height is not appropriate for a cassette fan coil.
- Phase 2 will include 6 twinned heat pumps.
 - Heat Pumps 13-16: 72 MBH each to provide a total of 288 MBH for offices, classrooms, and labs.
 - Heat Pumps 17-18: 312 MBH each to provide a total of 624 MBH for ERV-1.

Ventilation Equipment:

Existing main ductwork will be reused as much as possible for new ventilation and exhaust air streams. New branch ductwork will need to be routed to individual fan coils in each zone.

Construction Phase 1

- DOAS-1 will be installed in the South Mechanical Room 117 to provide outdoor air to the classrooms and offices in this phase. This unit will provide some of the make-up air for baseline shop exhaust rates. The existing air handler, AC-2, and the associated relief fan will be demolished.
- The existing air handlers (AH-2, 3 & 4) that serve the Welding, Metal Forming and Plastic Shops will be demolished and replaced with make-up air units (MAU-1, 2 & 3). These units will be sized to make-up air as point use exhaust is turned on throughout each shop. The existing air handlers are not sized to make-up the total exhaust rate for each shop due to equipment diversity. The new make-up air units will be sized similarly.
 - Standard 36" x 80" doors provide access to these mezzanine equipment rooms. Based on preliminary MAU shipping split dimensions, a larger opening will need to be made to move units into rooms.
- The existing gas fired rooftop unit that serves Miller Welding Class Lab 247 will be demolished and the ventilation requirement will be served by DOAS-1.
- The existing gas fired make-up air unit that serves Composite Lab 245 paint booths will be demolished.
- Equipment Models
 - DOAS-1 - 7,000 cfm - Swegon SD 40 with refrigerant coil section
 - MAU-1 (Welding Shop) – 10,000 cfm – Swegon SD 50 with refrigerant coil section
 - MAU-2 (Metal Forming Shop) – 5,000 cfm – Swegon SD 30 with refrigerant coil section
 - MAU-3 (Plastics Shop) – 4,000 cfm – Swegon SD 25 with refrigerant coil section

Construction Phase 2

- ERV-1 will be installed in the North Mechanical Room 107 to provide outdoor air to North part of the building, including shop spaces. This unit will serve the general exhaust requirement for the North part of the building, including restroom group 222. This unit will serve the constant exhaust requirement for the shop spaces in this phase. The existing air handler, AC-1, and the associated relief fan will be demolished.
- The existing air handler (AH-1) that serves the Subtractive Manufacturing Lab 201 will be demolished.
- Equipment Models
 - ERV-1 - 9,000 cfm - Swegon RX 60 with refrigerant coil section

Exhaust Equipment:

In both phases there will be some existing fans that will be demolished and some will be replaced with new fans. There will be fans added in phase 1. See below for the summary and quantities:



Construction Phase 1

- Demolished: 7
- Demolished/Replaced: 13
 - (2) 5 HP
 - (6) 1 HP
 - (5) Fractional HP
- Added: 6
 - (1) 5 HP
 - (1) 1 HP
 - (4) Fraction HP

Construction Phase 2

- Demolished: 2
- Demolished/Replaced: 1 (fractional HP)

The Plastic Manufacturing Lab dust collection fan has been described as not having enough capacity for dust collection. (3) devices will be removed from the system and the ductwork will be cut and capped for future use. A VFD and duct pressure controls will be added to the dust collection system to all fan to modulate as the demand changes. A duct will be extended into CNC Lab 243 for future connection.

Condenser Water in Tunnel:

The chilled water piping that currently serves the building will be utilized for condenser water for the water-source VRF system. Ultimately, the section of pipe that runs through this tunnel will serve large areas of campus and will need to be replaced. All new piping will be polypropylene, manufactured by Niron.

Construction Phase 1

- Use existing chilled water piping in the tunnel that runs past the north half of the building. South of where the steam piping enters the north mechanical room and where there is more space in the tunnel, transition piping to 18" supply and return piping. Terminate piping after the connection to the south mechanical room with a double-offset butterfly valve and blind flange.

Construction Phase 2

- Demolish existing chilled water piping between phase 1 piping and the connections installed as work of the Noorda Engineering project in 2020 and install 18" supply and return piping.

Piping Demolition in Tunnel

In addition to the phased demolition of the existing chilled water piping, the existing steam, condensate return and natural gas piping will be demolished back to the tunnel junction to the north in phase 2 of this project.

PLUMBING SYSTEMS

Restroom Modifications:

The size and designation of all restrooms in the building will be modified. Existing plumbing fixtures and piping will be decommissioned and demolished to accommodate new restroom layouts. See architectural section for fixture quantity requirements.

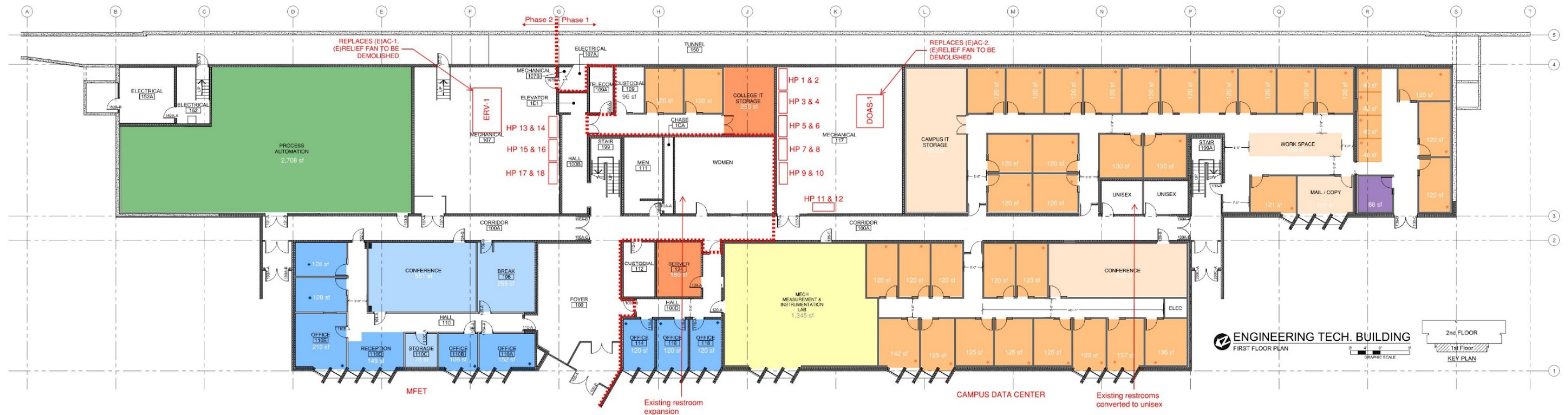
Construction Phase 1

- The existing level 1 men's restroom on the south end of the building will be converted into two gender neutral restrooms.
- The existing level 2 toilet room will be converted into a larger women's restroom.
- The existing level 2 men's restroom and locker room will be converted and expanded into a men's and women's restroom.

Construction Phase 2

- The existing level 1 north restrooms will be expanded.

The Plastics Manufacturing Lab currently has a single low-capacity water cooled chiller that serves to cool a mold machine. The chiller is served by the domestic water and the leaving water is discharged into a nearby roof drain line. An additional similar chiller is planned to be added soon. A domestic water line will be provided to serve this chiller and the new and existing drain will be routed to an appropriate location. During design it will be investigated if condenser water could be used to connect to the chillers as an alternative.



- CAMPUS DATA CENTER
- COLLEGE IT
- ELECTRICAL ENGINEERING
- MANUFACTURE ENGINEERING
- MECHANICAL ENGINEERING
- PRODUCT DESIGN
- UNASSIGNED

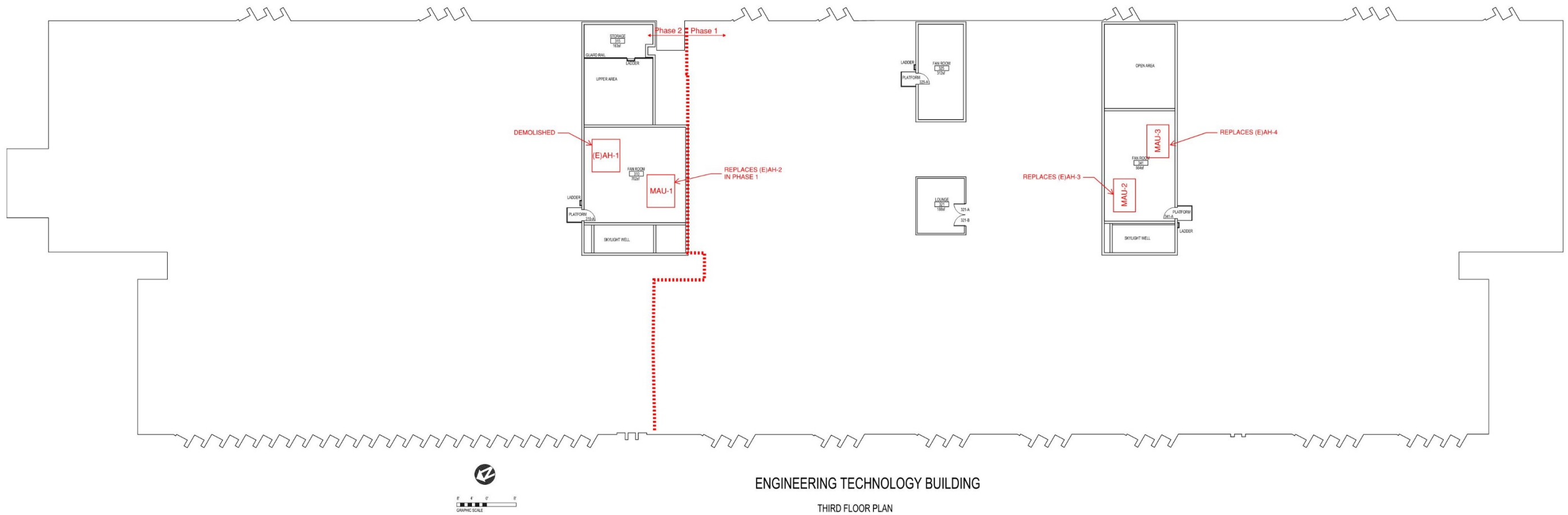


ENGINEERING TECH. BUILDING
SECOND FLOOR PLAN

Existing restroom
expanded to include
men's and women's
restroom

Existing toilet room
expanded and
converted to women's
restroom

- CAMPUS DATA CENTER
- COLLEGE IT
- ELECTRICAL ENGINEERING
- MANUFACTURE ENGINEERING
- MECHANICAL ENGINEERING
- PRODUCT DESIGN
- UNASSIGNED



ELECTRICAL

CONSTRUCTION PHASE I - SOUTH PORTION OF BUILDING

Power Distribution System

- Existing 750KVA medium voltage transformer will remain in place.
- A new 1200-amp., 277/480-volt main distribution switchboard will be installed in the north part of the building to provide power to the new distribution panelboards in the north and south portions of the building.
- New main distribution panelboards will be installed in the old mechanical room to distribute power to all 277/480-volt branch panelboards and to 120/208-volt panelboards through dry type, stepdown transformers.
- A new dry type transformer will be installed to step the voltage down from 480-volt to 120/208-volt.
- A new 120/208-volt main distribution panelboard will be installed on south part of the building to provide power to all 120/208-volt branch panelboards.
- All existing branch panelboards 277/480-volt and 120/208-volt will be replaced with new.
- Surge protective devices will be provided for new main distribution switchboard and main distribution panelboards.
- 277/480-volt panelboard will be installed in south mechanical room to provide power to new large mechanical equipment.
- A 120/208-volt panelboard will be installed to provide power to all new fan coil units and small mechanical equipment.
- All feeder conductors to branch panelboards will be replaced with new ones.
- Bus ducts and branch circuits in the shops and labs will remain.
- New devices will be installed in all new rooms and circuited to nearest branch panelboards.
- All devices on exterior walls, which are being furred out, will be removed and new devices will be installed in the new walls and circuited to nearest branch panelboards.
- Existing electrical power metering will need to be moved to new switchboard and tied to campus network.
- Minimum of 25% spare capacity will be provided in all electrical panelboards.
- Existing grounding electrode from old electrical switchboard needs to be removed and tied to new main distribution switchboard. Neutral and ground strap in existing switchboard needs to be removed.
- Ground fault protective receptacles will be installed within proximity of sinks, mechanical room, etc. to meet requirement of National Electrical Code (NEC).
- Power will be provided to irrigation system.
- Existing emergency panelboards are to remain and utilized for new emergency circuits.

Exterior Lighting

- Power shall be maintained to all exterior light poles and canopy lights. Provide temporary power to keep these lights on during construction, as necessary.
- All under canopy light fixtures will be replaced with new LED light fixtures.
- Emergency lights will be provided by all exterior stairs, ramps, etc. to meet NFPA code.

Interior Lighting and Control

- All interior light fixtures are to be removed including j-boxes, conduit, conductors, etc. Home runs can be utilized for new LED light fixtures.
- New LED light fixtures to meet WSU standards.



- Light level in all areas will be in accordance with IESNA recommendations except in a few labs that require a higher illumination light level.
- Color temperature of all light fixtures will be 5000K.
- Lighting energy load shall be less than .5 watts/sf.
- Emergency light will be provided in all the corridors, restrooms, large shops, labs, classrooms, electrical rooms, MDF and IDF rooms, etc. All emergency lights will be tied to existing emergency/life safety panelboard such as when commercial power fails the come on automatically.
- All interior room's light fixtures will be controlled either with wall occupancy sensors or ceiling occupancy sensors to maximize on energy saving.
- Daylight harvesting will be provided for large rooms with windows as required by energy code.
- Dimmer capability will be provided for all the rooms except corridors, restrooms, mechanical rooms, electrical rooms, MDF and IDF rooms, etc.
- The entire building lighting load will be controlled by occupancy sensors.
- This building will be totally black when it is not occupied.

Fire Alarm System

- New addressable fire alarm system will be installed in the entire building to meet NFPA.
- Speaker/strobes will be installed throughout the building.
- All magnetic door holders will be tied to fire alarm control panel for automatic release during fire alarm.
- Duct detectors will be installed for air handling units with 2000 cfm and above. Duct detectors shall be tied to fire alarm control panel for automatic shut down during fire alarm.
- All fire/smoke dampers will be tied to fire alarm control panel for automatic closing during detection of fire.
- New fire alarm system will be tied to the WSU campus fire alarm network.

Radio Communication Enhancement System (BDA System)

- Study needs to be done to see if BDA system is needed for this building. We recommend this system to be installed to cover the lower level of the building as a minimum.
- BDA system will be tied to FACP.

Communication System

- Existing MDF room under phase I needs to be operational to keep the network system to phase II devices.
- All existing data cables will be removed. New data cables will be installed for all data jacks.
- Raceways, boxes, and cable trays will be installed throughout the building to accommodate the installation of network cabling, jacks, equipment, etc.
- New ground bus bar will be installed in the MDF room and will be tied to main grounding system for the building with #2 THHN ground cable.
- New WAP's will be installed on exterior walls and locations will be coordinated with WSU IT groups. #6 AWG grounding will be provided for all exterior WAP's.

Security System

- Conduit, boxes will be provided for security devices throughout the building. WSU will install all security devices, card readers, cabling, equipment, etc.
- Communication cable tray will be utilized for all security cables.



- All labs exterior doors will be protected with security card access system.
- New cameras will be installed by entrances and other spaces as directed by WSU. Conduit will be provided for cameras and will run to nearest cable tray.

A/V System

- A/V system will be provided in all classrooms, conference rooms, labs, etc.
- All cabling, connectors, jacks, boxes, touch panels, etc. will be coordinated with WSU A/V group.

CONSTRUCTION PHASE 2 - NORTH PORTION OF BUILDING

Power Distribution System

- The new 1200-amp., 277/480-volt main distribution switchboard which was installed under phase I will be utilized to provide power to the new distribution panelboards in the north portion of the building.
- New main distribution panelboards will be installed in the old mechanical room to distribute power to all 277/480-volt branch panelboards and to 120/208-volt panelboards through dry type, stepdown transformers.
- A new dry type transformer will be installed to step the voltage down from 480-volt to 120/208-volt.
- A new 120/208-volt main distribution panelboard will be installed on north part of the building to provide power to all 120/208-volt branch panelboards.
- All existing branch panelboards 277/480-volt and 120/208-volt will be replaced with new.
- Surge protective devices will be provided for new main distribution switchboard and main distribution panelboards.
- 277/480-volt panelboard will be installed in north mechanical room to provide power to new large mechanical equipment.
- A 120/208-volt panelboard will be installed to provide power to all new fan coil units and small mechanical equipment.
- All feeder conductors to branch panelboards will be replaced with new ones.
- Bus ducts and branch circuits in the shops and labs will remain.
- New devices will be installed in all new rooms and circuited to nearest branch panelboards.
- All devices on exterior walls, which are being furred out, will be removed and new devices will be installed in the new walls and circuited to nearest branch panelboards.
- Minimum of 25% spare capacity will be provided in all electrical panelboards.
- Ground fault protective receptacles will be installed within proximity of sinks, mechanical room, etc. to meet requirement of National Electrical Code (NEC).
- Existing emergency panelboards are to remain and utilized for new emergency circuits.
- 30-amp. receptacles will be provided in MDF room and will be tied to emergency and normal power per WSU IT requirements.

Exterior Lighting

- Power shall be maintained to all exterior light poles and canopy lights. Provide temporary power to keep these lights on during construction, as necessary.
- All under canopy light fixtures will be replaced with new LED light fixtures.
- Emergency lights will be provided by all exterior stairs, ramps, etc. to meet NFPA code.

Interior Lighting and Control

- All interior light fixtures are to be removed including j-boxes, conduit, conductors, etc. Home runs can be utilized for new LED light fixtures.
- New LED light fixtures to meet WSU standards.
- Light level in all areas will be in accordance with IESNA recommendations except in a few labs that require a higher illumination light level.
- Color temperature of all light fixtures will be 5000K.
- Lighting energy load shall be less than .5 watts/sf.
- Emergency light will be provided in all the corridors, restrooms, large shops, labs, classrooms, electrical rooms, MDF and IDF rooms, etc. All emergency lights will be tied to existing emergency/life safety panelboard such as when commercial power fails the come on automatically.
- All interior room's light fixtures will be controlled either with wall occupancy sensors or ceiling occupancy sensors to maximize on energy saving.
- Daylight harvesting will be provided for large rooms with windows as required by energy code.
- Dimmer capability will be provided for all the rooms except corridors, restrooms, mechanical rooms, electrical rooms, MDF and IDF rooms, etc.
- The entire building lighting load will be controlled by occupancy sensors.
- This building will be totally black when it is not occupied.

Fire Alarm System

- New addressable fire alarm system will be installed in the entire building to meet NFPA.
- Speaker/strobes will be installed throughout the building.
- All magnetic door holders will be tied to fire alarm control panel for automatic release during fire alarm.
- Duct detectors will be installed for air handling units with 2000 cfm and above. Duct detectors shall be tied to fire alarm control panel for automatic shut down during fire alarm.
- All fire/smoke dampers will be tied to fire alarm control panel for automatic closing during detection of fire.

Radio Communication Enhancement System (BDA System)

- BDA system will be installed in north part portion of the building and will be tied to new system which was installed under phase I.

Communication System

- New power will be provided for new racks in the MDF room.
- All existing data cables on north portion of the building will be removed. New data cables will be installed for all data jacks.
- Raceways, boxes, and cable trays will be installed in north part of the building to accommodate the installation of network cabling, jacks, equipment, etc.
- New WAP's will be installed on exterior walls and locations will be coordinated with WSU IT groups. #6 AWG grounding will be provided for all exterior WAP's.

Security System

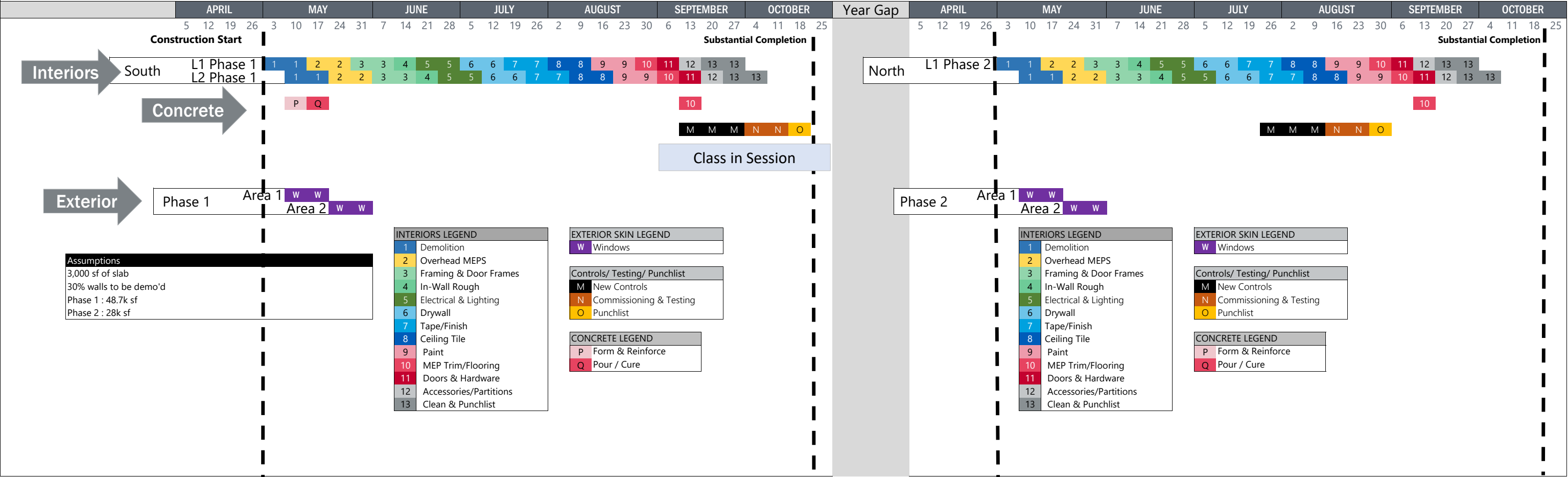
- Conduit, boxes will be provided for security devices throughout the building. WSU will install all security devices, card readers, cabling, equipment, etc.
- Communication cable tray will be utilized for all security cables.
- All labs exterior doors will be protected with security card access system.
- New cameras will be installed by entrances and other spaces as directed by WSU. Conduit will be provided for cameras and will run to nearest cable tray.

A/V System

- A/V system will be provided in all classrooms, conference rooms, labs, etc.
- All cabling, connectors, jacks, boxes, touch panels, etc. will be coordinated with WSU A/V group.

Drawings are included as an appendix to this report.

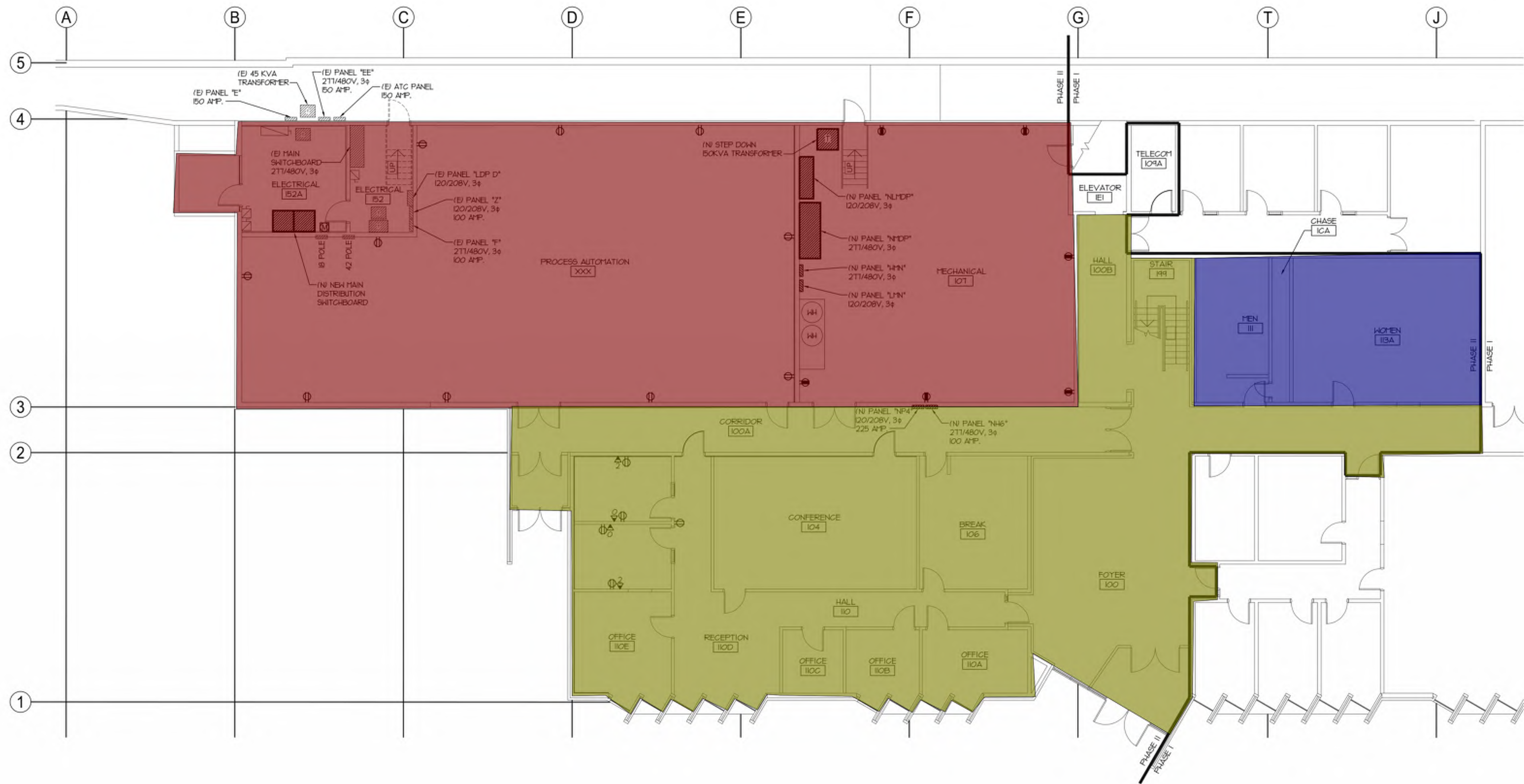
WSU ET TAKT SCHEDULE



REFERENCE NOTES:
L X



375 WEST 200 SOUTH
SALT LAKE CITY, UT 84101
P 801.521.8600
F 801.521.7913
www.gbsarchitects.com



FIRST FLOOR PLAN NORTH - PANELS
SCALE: 1/8" = 1'-0"

- P2 Painted Ceilings
- P2 ACT
- P2 Hard Lid Ceilings

4982.1 SQ FT
4597.4 SQ FT
884.5 SQ FT

WEBER STATE UNIVERSITY
OGDEN, UTAH
ENGINEERING TECHNOLOGY BUILDING - FEASIBILITY STUDY

30 YEARS IN BUSINESS

959 S. West Temple, SLIC, UT 84101
Phone : 801.521.8607
Email : Admin@ecceonline.com
ECE Project # 5613

ECE PROJECT NO. 5613

ISSUED:		
NO.	DATE	DESCRIPTION
1	2021.03.09	FEASIBILITY STUDY

REVISIONS:		
NO.	DATE	DESCRIPTION
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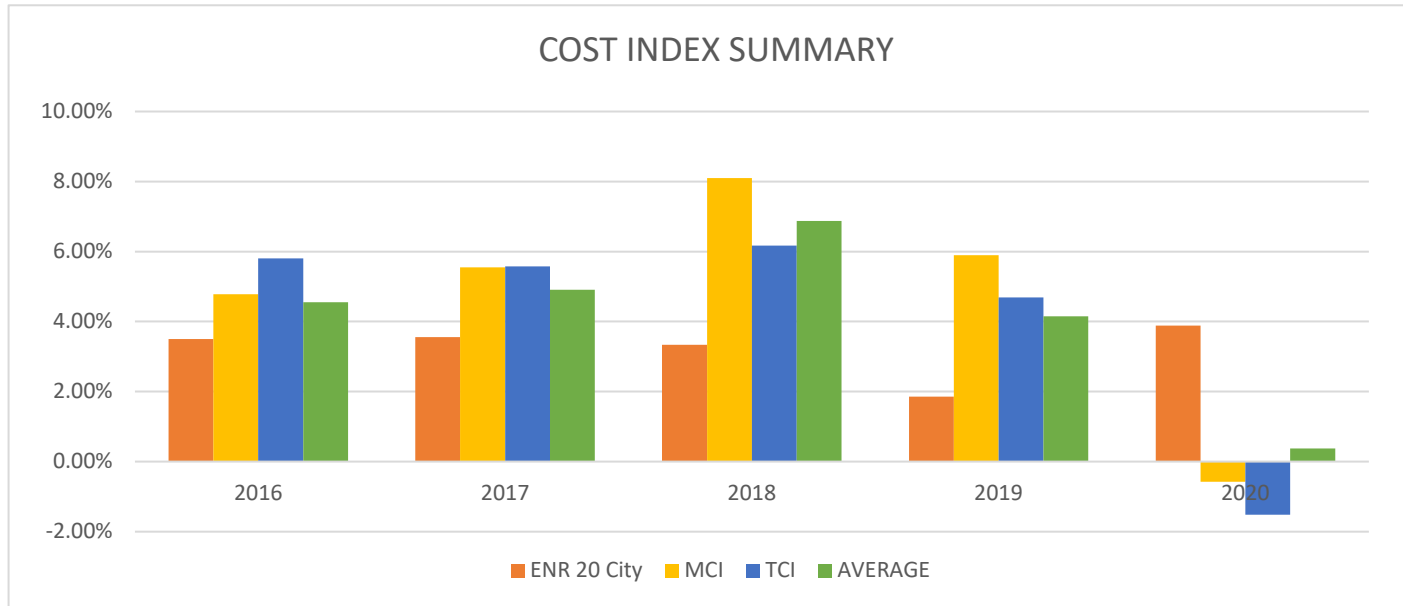
FIRST FLOOR
PLAN NORTH -
PANELS

PHASE II

SHEET NUMBER

EP1.1

COST ESCALATION AVERAGE FOR 2021



	ENR 20 City	RLB SLC	MCI	TCI	AVERAGE
2016	3.50%	4.41%	4.78%	5.81%	4.56%
2017	3.56%	5.00%	5.55%	5.58%	4.91%
2018	3.34%	8.50%	8.10%	6.17%	6.87%
2019	1.86%	4.21%	5.89%	4.69%	4.15%
2020	3.89%	0.03%	-0.57%	-1.51%	0.37%
5 YEAR AVERAGE	3.23%	4.43%	4.75%	4.14%	4.17%

Weber State University – Standard OPR

Site Selection

1. Building orientation needs to have a detailed discussion early in programming and design.

Alternative Transportation

1. All new construction should have new electric vehicle charging stations.
 - a. One dual-port station shall be installed per new building; in addition, capacity for up to 6 stalls (3 dual port charging stations) shall be installed. This will include conduit out to ground box locations. Conduit shall be a minimum of 2 inch. This shall be included in the base bid of construction.
2. All new construction should look at options for bike racks near the facility. (consider the option for covered bike racks)
3. Bollards and signage for EV charging station should be considered and designed for the site.

Stormwater

1. Consider the use of bio-swells and maximize stormwater detention/filtration at building site.
2. Become familiar with and follow guidelines outlined in WSU's SWMP (latest is located at EH&S website)
3. Consider the use of Low Impact Development (LID) and maximize stormwater detention/filtration at buildings on sites over an acre. LID's must retain one inch of water of footprint of disturbed construction area, this will be mandatory from state starting 2020
4. Connect all storm water lines to retention pond.
5. Verify if site will be over, or under an acre. If site is over an acre, obtain a SWPPP.

Heat Island

1. Roof shall be a white membrane roof with a minimum 25 year warranty and an albedo > 0.65.
2. Discuss strategies to reduce heat island effect given site conditions.

Light Pollution

1. No – uplighting.
2. All parking lot lighting and athletic lighting will be full cut off LED.

Water Use Reduction

1. 0.5 gpm lavatories. Basis of design Moen 8211 faucet and All lavatories, toilets urinals, and shower heads need to be EPA WaterSense certified.
2. Dual flush toilets (1.1 and 1.6 gpf) or 1.28 gpf flush valve
3. Low flow urinals and flush valves (0.125 gpf).
4. No sensor or automated operation flush valves.
5. Low flow shower heads (1.5 gpm)
6. Auto shut off valve for domestic water tied to meter.

7. Non-filtered bottle filling stations. Elkay EZ H2O
8. Design consideration for water running down faucet neck to prevent water on floor.

Water Efficient Landscaping

1. Discuss xeriscaping and the use of native plants.
2. Automated Rainmaster system.
3. Install Auto flush filter Amiad Filtamat, or equivalent.
4. Use Pedestal Rainmaster DX3 controller.
5. Low flow heads, Hunter MP's preferred
6. DU of 70%, or better tested by WSU before N.O.T is obtained.
7. Drip in all non-turf areas with operational indicator flags. Netafim, or point source drip irrigation to be used. Netafim preferred with flags
8. No turf in areas with less than 6 feet
9. On steep grades used terraced planter beds.
10. Plan for snow removal, where snow will be plowed to for the roads and parking lots as well as sidewalks. Install salt tolerant plants in these areas.
11. Become familiar with and follow WSU's Division 2 Standards.
12. Electromagnetizing, or ultrasonic Meter installed after filter

Metering

1. Domestic Water Meter shall be installed on main water feed to building.
2. Electric meter shall be installed on or near MDP. Generally speaking, a single meter for the entire building shall be sufficient; however, sometimes in certain applications it may make sense to sub-meter mechanical and lighting. This shall be determined during sustainability charrette for the project.
3. BTU meter shall be installed for chilled/condenser water.
4. All meters shall be connected to BuildingOS system (LUCID). Specification and drawings need to clearly indicate who is responsible for this and how it shall be done.

Energy – Lighting

1. 5000K color interior and exterior.
2. All LED lighting.
3. Efficacy of 110 or greater on all light fixtures.
4. 0.5 watts/sqft target.
5. Minimize types of light fixtures (we want a small list on the lighting fixture schedule)
6. Occupancy sensors throughout the building (programmed for vacancy sensing)
7. Dark building – All emergency lights are connected to occupancy sensors through a GTD.
8. No lighting control panels.
9. Exterior lighting controlled by photocell at building site.
10. Recommended Illumination Levels
 1. 10 – 20 Foot Candles – Corridors, Vestibules, Stairwells, Common Areas, Locker Rooms, Lounges.
 2. 20 – 40 Foot Candles – Classrooms, Offices, Conference Rooms, Computer Labs.
 3. 30 – 50 Foot Candles – Kitchens, Shops, Labs, Art Studios

11. No photocells (daylight harvesting) in classrooms or offices. Only in large open public spaces.
12. All offices and classrooms will have dimmers.
13. Lighting control is the Wattstopper DLM series as basis of design.
14. Classrooms shall have lighting control at entrance and at teaching console. Lighting controls are not connected to the AV system.

Electrical

1. Buildings are to be looped into campus.
2. Oakenite armored or Prysmian cable as basis of design for medium voltage.
3. Cooper switchgear with VFI as basis of design.
4. Fault indicators on all medium voltage lines.
5. Discuss options for battery backup vs generator and minimizing loads on e-power.
6. Power factor to be above .90.
7. Document (high POT or VLF) to be provided in Cx record.
8. Verify all gaskets sealings on transformers and medium voltage switches are at factory torch rating.

Mechanical System

1. Water cooled VRF – Mitsubishi with 10 year warranty.
2. Oversized pipes serving compressors (manifold style) – eliminate need for balancing if possible.
3. Booster pumps shall be 20% oversized for total gpm requirement.
4. ERV system with no excess ventilation.
5. ERV will have a duct heater.
6. Every room gets its own T-stat.
7. Hybrid heatpump water heater for domestic hot water – Rheem basis of design.
8. Twinned condenser units.
9. No return air systems.
10. Only exhaust fan is in the ERV – duct all exhaust to ERV.
11. AE-200 devices will be included.
12. Pressure Testing
13. All motors over 2 HP are to be on VFDs
14. VFDs will be Mitsubishi (APS has a special WSU pricing – we will only pay the price they quote)
15. VFDs will be specified electrical engineer and provided by electrical contractor.
16. Filter sizes 24" x 24" x 2" on ERVs.
17. Extra set of washable filters for all cassette units.
18. Utilize ceiling cassette VRF units wherever possible.
19. Ducted VRF units shall have filters in the return grill that fit in the ceiling grid and are accessible from the space side of the return grill.
20. VRF refrigerant piping shall be coordinated with manufacturer, so that piping can/shall be installed as drawn. Pre-determine port locations.

21. At least 2 extra ports shall be included on branch controllers. Extra ports shall not just be at the end of the branch controller, shall be spaced intermittently.
22. Maximize energy recover of VRF branch controllers by having either south and east exposures or north and west exposures on the same branch.
23. All domestic hot water recirculation must be located within 6 feet of point of use. Every point use will have its own mixing valve, no central mixing valves.
24. Pipe chases shall be 3 feet width or greater.
25. Non-filtered bottle filling stations. Elkay EZ H2O
26. Extra space in mechanical room for building growth.
27. Epoxy coating of all mechanical room floors.
28. Temperature display and control for VRF shall be done from T-stat, no return air controlling.
29. Filter changes at substantial completion, and post occupancy (after cleaning).
30. Primary, and Secondary backflow protection devices shall be of the RP type.
31. All chemical mixing stations shall be piped.
32. Provide secondary water feed for all custodial chemical stations.

Structural/Architectural

1. 2x2 ceiling grid. Minimize use of hard lid ceilings.
2. Solarban 70 XL Atlantica – basis of design for glass.
3. Minimize use of storefront systems.
4. Maximum of 30% glass on building envelope. 25% or less preferred if possible.
5. Orientation of the glass to be primarily on the north and east sides of the building. Minimize west facing glass.
6. Building roof shall be prepped for solar installation.
7. Balconies or roof paver areas must be physically restricted from access to the rest of the roof.
8. Roof shall have walkoff pads for anticipated solar layout and equipment. Walk off mats shall be white diamond pattern.
9. All paints and stains to be semi-gloss water based zero-VOC.
10. Standard is 5 paint colors (this includes Weber purple and white)
11. Rollers shades shall be manual if control mechanism is accessible.
12. Permanently attached ladder access to all roofs of the building. Ladders shall have ladder cages if possible. Hoist point and grab bar. No ship's ladders!!
13. Epoxy coated mechanical room floors.
14. Door closers
 - a. ADA Door closers must be electromechanical, (full cast iron closer, all weather fluid, meets ANSI grade)
 - b. A schedule shall be in the drawings showing door closers matched to door type and weight.
 - c. No in-ground door closers.
 - d. No concealed door closers.

Owner's Documentation

1. Fill in online file tree provided
2. Installation manuals will be in the Maintenance folder for each system/equipment.

Materials

1. Discuss use of recycled, locally-sourced and third party green verified materials.
2. Carpet tile with loc-dot technology as basis of design. Preferred 2x2 tile.
3. A waste management plan must be included in the design drawings. (including recycling and waste container locations)
4. Discussion shall be had regarding composting opportunities.
5. 75% of construction waste shall be diverted from the landfill.
6. Low-VOC sealants and caulks.
7. Low-VOC product discussion.

FA0110	JENN AIR, EXHAUST FAN 23			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0092	EXHAUST FAN 2			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0100	JENN AIR, EXHAUST FAN 13			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0105	JENN AIR, EXHAUST FAN			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0107	JENN AIR, EXHAUST FAN 20			\$2,500.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0109	A.O. SMITH, EXHAUST FAN 22			\$500.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0113	JENN AIR, EXHAUST FAN 26			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0114	EXHAUST FAN 27			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0103	JENN AIR, EXHAUST FAN 16			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0098	JENN AIR, EXHAUST FAN 11			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0096	JENN AIR, EXHAUST FAN 7			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0099	JENN AIREXHAUST FAN 12			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0111	EXHAUST FAN 24			\$2,500.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0090	RETURN FAN			\$2,500.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0093	EXHAUST FAN 4			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0102	EXHAUST FAN 15			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0112	JENN AIR, EXHAUST FAN 25			\$7,000.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0106	JENN AIRE, EXHAUST FAN 19			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0089	CHAMPION, RETURN FAN			\$2,500.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0097	JENN AIR, EXHAUST FAN 8			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0104	JENN AIR, EXHAUST FAN 17			\$400.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
FA0108	JENN AIR, EXHAUST FAN 21			\$2,500.00			
	Service Life 30.00	Install Year 1977	Replacement Year 2006	Remaining Life -14.74			
		Asset Group Remaining Life		-14.74			
09114	Air Compressors			\$2,000.00			
CP0025	CONTROL AIR COMPRESSOR			\$2,000.00			
	Service Life 20.00	Install Year 1977	Replacement Year 1997	Remaining Life -24.43			
		Asset Group Remaining Life		-24.43			

09115	Air Conditioning Units								\$18,000.00			
20434	ET AIR CONDITIONING UNITS CONDEI				\$18,000.00							
	Service Life	20.00	Install Year	1999	Replacement Year	2019	Remaining Life	-2.42				
				Asset Group	Remaining Life		-2.42					
09124	Heat Exchangers								\$17,100.00			
20435	ET HEAT EXCHANGERS STEAM TO HE				\$17,100.00							
	Service Life	30.00	Install Year	1977	Replacement Year	2007	Remaining Life	-14.43				
				Asset Group	Remaining Life		-14.43					
09126	Fan Coil/Terminal Unit:								\$30,000.00			
FCU0051	NELSON, FAN COIL UNIT				\$2,000.00							
	Service Life	20.00	Install Year	1977	Replacement Year	1996	Remaining Life	-24.74				
FCU0046	NELSON AIRE, FAN COIL UNIT				\$2,000.00							
	Service Life	20.00	Install Year	1977	Replacement Year	1997	Remaining Life	-24.44				
FCU0050	NELSON, FAN COIL UNIT				\$2,000.00							
	Service Life	20.00	Install Year	1977	Replacement Year	1996	Remaining Life	-24.74				
20437	ET TERMINAL UNITS				\$20,000.00							
	Service Life	20.00	Install Year	1977	Replacement Year	1997	Remaining Life	-24.43				
FCU0047	NELSON, FAN COIL UNIT				\$2,000.00							
	Service Life	20.00	Install Year	1977	Replacement Year	1996	Remaining Life	-24.74				
FCU0049	NELSON, FAN COIL UNIT				\$2,000.00							
	Service Life	20.00	Install Year	1977	Replacement Year	1996	Remaining Life	-24.74				
				Asset Group	Remaining Life		-24.51					
				Tier 2 -	Remaining Life		-13.32					
				Tier 1 -	Remaining Life		-14.72					
09083	Plumbing				\$139,000.00							
09091	Plumbing Point-of-Use				\$26,000.00							
09127	Plumbing Fixtures								\$26,000.00			
20438	ET PLUMBING FIXTURES POINT OF U:				\$26,000.00							
	Service Life	25.00	Install Year	1977	Replacement Year	2002	Remaining Life	-19.43				
				Asset Group	Remaining Life		-19.43					
				Tier 2 -	Remaining Life		-19.43					
09092	Hot Water Generation				\$3,000.00							
09128	Hot Water Heater								\$3,000.00			
20439	ET HOT WATER HEATER DOMESTIC W				\$3,000.00							
	Service Life	15.00	Install Year	2005	Replacement Year	2020	Remaining Life	-1.41				
				Asset Group	Remaining Life		-1.41					
				Tier 2 -	Remaining Life		-1.41					
09093	Plumbing Piping				\$95,000.00							
09132	Domestic Water Piping								\$54,000.00			
20440	ET DOMESTIC WATER PIPING SYSTEM				\$54,000.00							
	Service Life	30.00	Install Year	1977	Replacement Year	2007	Remaining Life	-14.43				
				Asset Group	Remaining Life		-14.43					
09134	DWV Piping								\$41,000.00			
20442	ET DWV PIPING SYSTEM				\$41,000.00							
	Service Life	30.00	Install Year	1977	Replacement Year	2007	Remaining Life	-14.43				
				Asset Group	Remaining Life		-14.43					
				Tier 2 -	Remaining Life		-14.43					
09094	Plumbing Equipment				\$15,000.00							
09139	Water Coolers								\$15,000.00			

DF0022	SUNROC WALL HUNG HIGH - LOWDRI				\$2,500.00				
	Service Life 15.00	Install Year 1977		Replacement Year 1991		Remaining Life	-29.74		
DF0023	SUNROC WALL HUNG HIGH - LOWDRI				\$2,500.00				
	Service Life 15.00	Install Year 1977		Replacement Year 1991		Remaining Life	-29.74		
ETDF001	ELKAY BI-LEVEL BOTTLE FILLER				\$2,500.00				
	Service Life 15.00	Install Year 2004		Replacement Year 2018		Remaining Life	-2.72		
DF0021	ELKAY WALL HUNG DRINKING FOUNT				\$2,500.00				
	Service Life 15.00	Install Year 1977		Replacement Year 1991		Remaining Life	-29.74		
DF0024	SUNROC WALL HUNG DRINKING FOU				\$2,500.00				
	Service Life 15.00	Install Year 2004		Replacement Year 2018		Remaining Life	-2.72		
ETDF002	ELKAY BI-LEVEL NO FILTERS				\$2,500.00				
	Service Life 15.00	Install Year 2004		Replacement Year 2018		Remaining Life	-2.72		
				Asset Group Remaining Life		-16.23			
				Tier 2 - Remaining Life		-16.23			
				Tier 1 - Remaining Life		-15.28			
09084	Electrical				\$597,630.00				
09095	Primary Service				\$180,400.00				
09141	Transformers					\$80,400.00			
23428	CUTLER HAMMER TRANSFORMER - C				\$15,400.00				
	Service Life 40.00	Install Year 1977		Replacement Year 2016		Remaining Life	-4.74		
23408	ITE TRANSFORMER				\$37,000.00				
	Service Life 40.00	Install Year 1977		Replacement Year 2016		Remaining Life	-4.74		
23426	ITE TRANSFORMER				\$28,000.00				
	Service Life 40.00	Install Year 1977		Replacement Year 2016		Remaining Life	-4.74		
				Asset Group Remaining Life		-4.74			
09143	MDP (Main Distributor					\$100,000.00			
20311	ET - MDP - 277/480V, 2000A, 3PH, 4WIF				\$100,000.00				
	Service Life 40.00	Install Year 1979		Replacement Year 2018		Remaining Life	-2.74		
				Asset Group Remaining Life		-2.74			
				Tier 2 - Remaining Life		-3.63			
09096	Building Electrical Dist				\$417,230.00				
09146	Electical Wiring					\$374,430.00			
20313	ET - BUILDING ELECTRICAL DISTRIBU				\$374,430.00				
	Service Life 40.00	Install Year 1979		Replacement Year 2018		Remaining Life	-2.74		
				Asset Group Remaining Life		-2.74			
09148	Electrical Panels					\$42,800.00			
23430	CUTLER HAMMER PANEL				\$4,000.00				
	Service Life 40.00	Install Year 1977		Replacement Year 2016		Remaining Life	-4.74		
EP0023	LOAD CENTER PANEL BOARD J				\$3,400.00				
	Service Life 40.00	Install Year 1975		Replacement Year 2014		Remaining Life	-6.74		
EP0029	LOAD CENTER PANEL BOARD HH				\$5,600.00				
	Service Life 40.00	Install Year 1979		Replacement Year 2018		Remaining Life	-2.74		
EP0025	LOAD CENTER PANEL BOARD W				\$6,200.00				
	Service Life 40.00	Install Year 1979		Replacement Year 2018		Remaining Life	-2.74		
EP0022	LOAD CENTER PANEL BOARD V				\$6,200.00				
	Service Life 40.00	Install Year 1979		Replacement Year 2018		Remaining Life	-2.74		
EP0021	LOAD CENTER PANEL BOARD EMERG				\$6,200.00				
	Service Life 40.00	Install Year 1979		Replacement Year 2018		Remaining Life	-2.74		

EP0024	LOAD CENTER PANEL BOARD H				\$6,200.00			
	Service Life	40.00	Install Year	1979	Replacement Year	2018	Remaining Life	-2.74
EP0030	LOAD CENTER PANEL BOARD AA				\$5,000.00			
	Service Life	40.00	Install Year	1979	Replacement Year	2018	Remaining Life	-2.74
					Asset Group Remaining Life		-3.24	
					Tier 2 - Remaining Life		-2.79	
					Tier 1 - Remaining Life		-3.04	

09085	Building Interior				\$2,668,307.00			
09098	Ceiling Systems				\$50,206.00			
09153	Ceilings						\$50,206.00	
20139	CEILINGS, DROP-IN, 1991				\$5,634.00			
	Service Life	30.00	Install Year	1991	Replacement Year	2020	Remaining Life	-0.73
20153	CEILINGS, SKYLIGHT, 1977				\$26,100.00			
	Service Life	30.00	Install Year	1977	Replacement Year	2006	Remaining Life	-14.74
20149	CEILINGS, HARDLID, 1977				\$18,472.00			
	Service Life	30.00	Install Year	1977	Replacement Year	2006	Remaining Life	-14.74
					Asset Group Remaining Life		-13.17	
					Tier 2 - Remaining Life		-13.17	
09099	Interior Openings				\$60,175.00			
09154	Hollow Metal Frame						\$3,675.00	
22357	ET INTERIOR HOLLOW METAL FRAME				\$3,675.00			
	Service Life	17.00	Install Year	1977	Replacement Year	1993	Remaining Life	-27.74
					Asset Group Remaining Life		-27.74	
09156	Storefront						\$37,500.00	
22358	ET INTERIOR STOREFRONT WALLS				\$37,500.00			
	Service Life	17.00	Install Year	1977	Replacement Year	1993	Remaining Life	-27.74
					Asset Group Remaining Life		-27.74	
09157	Doors						\$19,000.00	
22359	ET ROLLUP DOOR				\$15,000.00			
	Service Life	-3.00	Install Year	1977	Replacement Year	1974	Remaining Life	-47.74
22360	ET INTERIOR STOREFRONT DOORS				\$4,000.00			
	Service Life	17.00	Install Year	1977	Replacement Year	1993	Remaining Life	-27.74
					Asset Group Remaining Life		-43.53	
					Tier 2 - Remaining Life		-32.72	
09100	Flooring Systems				\$158,040.00			
09158	Floors						\$158,040.00	
20171	FLOORS, CARPET, 2014				\$8,631.00			
	Service Life	10.00	Install Year	1977	Replacement Year	1986	Remaining Life	-34.74
20158	FLOORS, CARPET, 1987				\$4,362.00			
	Service Life	35.00	Install Year	1977	Replacement Year	2011	Remaining Life	-9.74
20179	FLOORS, VCT, 2004				\$21,490.00			
	Service Life	30.00	Install Year	1977	Replacement Year	2006	Remaining Life	-14.74
20166	FLOORS, CARPET, 2001				\$6,978.00			
	Service Life	25.00	Install Year	1977	Replacement Year	2001	Remaining Life	-19.74
20175	FLOORS, VCT, 1977				\$48,524.00			
	Service Life	40.00	Install Year	1977	Replacement Year	2016	Remaining Life	-4.74
20163	FLOORS, CARPET, 1992				\$6,120.00			
	Service Life	36.00	Install Year	1977	Replacement Year	2012	Remaining Life	-8.74

20193	FLOORS, BRICK, 1977			\$53,235.00				
	Service Life 40.00	Install Year	1977	Replacement Year	2016	Remaining Life	-4.74	
20169	FLOORS, CARPET, 2004			\$3,735.00				
	Service Life 20.00	Install Year	1977	Replacement Year	1996	Remaining Life	-24.74	
20159	FLOORS, CARPET, 1991			\$2,817.00				
	Service Life 35.00	Install Year	1977	Replacement Year	2011	Remaining Life	-9.74	
20155	FLOORS, CARPET, 1985			\$2,148.00				
	Service Life 37.00	Install Year	1977	Replacement Year	2013	Remaining Life	-7.74	
				Asset Group Remaining Life		-9.29		
				Tier 2 - Remaining Life		-9.29		
09101	Walls			\$2,240,000.00				
09159	Wall Surface					\$2,240,000.00		
22070	ET WALL SURFACE			\$2,240,000.00				
	Service Life 12.00	Install Year	1977	Replacement Year	1988	Remaining Life	-32.74	
				Asset Group Remaining Life		-32.74		
				Tier 2 - Remaining Life		-32.74		
09102	Attached Furnishings			\$85,000.00				
09161	Millwork					\$85,000.00		
20215	MILLWORK, 1977			\$85,000.00				
	Service Life 42.00	Install Year	1977	Replacement Year	2018	Remaining Life	-2.74	
				Asset Group Remaining Life		-2.74		
				Tier 2 - Remaining Life		-2.74		
09103	Signage			\$74,886.00				
09162	Interior Signage					\$74,886.00		
22072	ET BUILDING SIGNAGE			\$74,886.00				
	Service Life 15.00	Install Year	1977	Replacement Year	1991	Remaining Life	-29.74	
				Asset Group Remaining Life		-29.74		
				Tier 2 - Remaining Life		-29.74		
				Tier 1 - Remaining Life		-29.94		
09086	Building Structure			\$355,700.00				
09105	Envelope			\$355,700.00				
09164	Exterior Doors					\$165,000.00		
21636	EXTERIOR STOREFRONT DOORS 197			\$54,000.00				
	Service Life 35.00	Install Year	1977	Replacement Year	2011	Remaining Life	-9.74	
21638	EXTERIOR HOLLOW METAL DOORS 19			\$36,000.00				
	Service Life 42.00	Install Year	1977	Replacement Year	2018	Remaining Life	-2.74	
21640	EXTERIOR ROLLUP DOORS 1977			\$75,000.00				
	Service Life 30.00	Install Year	1977	Replacement Year	2006	Remaining Life	-14.74	
				Asset Group Remaining Life		-10.48		
09166	Glazing/Opening					\$190,700.00		
21643	EXTERIOR WINDOWS 1977			\$183,000.00				
	Service Life 38.00	Install Year	1977	Replacement Year	2014	Remaining Life	-6.74	
21642	EXTERIOR STOREFRONT 1977			\$7,700.00				
	Service Life 38.00	Install Year	1977	Replacement Year	2014	Remaining Life	-6.74	
				Asset Group Remaining Life		-6.74		
				Tier 2 - Remaining Life		-8.47		
				Tier 1 - Remaining Life		-8.47		

\$157,000.00
\$157,000.00

23446	DOVER HYDRAULIC PASSENGER ELE				\$120,000.00	\$157,000.00		
	Service Life	25.00	Install Year	1977	Replacement Year	2001	Remaining Life	-19.74
23427	XFMR TP1				\$37,000.00			
	Service Life	40.00	Install Year	1977	Replacement Year	2016	Remaining Life	-4.74
					Asset Group Remaining Life		-16.20	
					Tier 2 - Remaining Life		-16.20	
					Tier 1 - Remaining Life		-16.20	
	Replacement Cost			\$5,185,495.00	Expected Life	23.03	Effective Building Age	43.86
BLDG SQFT	74,886.00	Replacement Cost/SQFT		\$69.25	Building Deferred Maintenance			\$5,185,495.00
	Average Building Remaining Life			-20.84				
							Total Deferred Maintenance	\$5,185,495.00



UTAH SYSTEM OF
HIGHER EDUCATION

Dedicated Capital Development Project Request

2023 General Session Authorization for Fiscal Year 2024

Utah State University
Huntsman Experiential Learning Center

New space	47,239 Sq Ft
Remodeled space	Sq Ft
Total Project space	47,239 Sq Ft
Demolished space	18,516 Sq Ft

Project Cost	\$29,000,000
Anticipated Dedicated Funds	\$10,000,000
Other Funds	\$19,000,000

Describe source and amount of other funds; attach letter(s) of commitment from donors that cite timing and amount of any donations

Beyond the \$10,000,000 requested funds, the Huntsman School currently has specific donor commitments totaling \$12,500,000 and is committed to funding the remaining \$6,500,000 through other donations in hand.

☐ **Letter(s) of commitment attached**

Threshold requirements for capital projects: [refer to R741-4](#) for instructions; ensure criteria are fully addressed

1. Cost Effective and Efficient Use of Resources

Effective, efficient, and functional design is inherent to cost effectiveness. Energy costs will be lower than industry standards by construction of a new building that conforms to the state's high performance building requirements and to USU's LEED silver requirement. This project is considering the innovative building structural system of mass timber. This system makes use of resources that are locally sourced, utilizes by-products of the wood industry, and eliminates the issues of excessive cost and lead times in the current market associated with sourcing steel products. The project site is on land already owned by the university and directly adjacent to existing infrastructure. It will benefit from the university's centralized utilities, which will be directly available for connection on the north edge of the new building site. The site is also directly adjacent to the other buildings occupied by the Huntsman School

of Business, maximizing operational efficiencies for the College. The land use efficiency will be enhanced by the project through increased density of development and eliminating an aging building. The re-configuration of this part of campus maximizes the potential for the addition of academic space within the highly desirable but limited area remaining in the central core of campus. The new building will also create an efficiency of function, by creating space that is right-sized and configured for the intended use. The design will ensure that the correct amount of square footage is provided for the specific program requirements.

2. Consistent with Institutional Role, Mission, and Master Plan

Utah State University is the land-grant institution in the State of Utah and is therefore directly responsible for the provision of excellent educational programs to students throughout the state. In support of USU's role in the state economy, the purpose of the Jon M. Huntsman School of Business is "to be a career accelerator for our students and an engine of growth for our community, the state, the nation, and the world." The proposed new building will fill a vital and honored place on campus in Logan in connection with the Jon M. Huntsman Hall (primarily a classroom building) and the George S. Eccles Business Building (primarily an office building). The new building will house the co-curricular experiential learning and leadership activities of the Huntsman School of Business and will serve as a "Center of Centers." Great care and planning over a multi-year period have gone into the development of each center, to provide experiential learning programs that create direct, career-enhancing training for students. Ultimately, these centers contribute to the preparation of students for high-paying jobs in a variety of general and technical business fields throughout the state. In addition, the building will feature state-of-the-art internship and common spaces and will be designed to meet the beautiful and exacting standards of Huntsman Hall and the George S. Eccles Business Building. This proposal is a core part of the Huntsman School's 2030 Learning By Doing Campaign, which seeks to raise over \$50 M for the new building and related student programs. Campaign goals include: (a) growing to 3000 undergraduate students by 2030, (b) growing the Huntsman Scholar Program from 400 to 600 students per year, (c) closing the gap in the number of female and male graduates in the Huntsman School, (d) ensuring that every student has access to high-quality experiential learning opportunities that lead to placement in high-caliber jobs. The placement of the new building to the east of the existing building complex has been formally included in USU's latest Central Core District Plan, completed in 2022. The district planning process has been a multi-year collaborative effort involving dozens of USU leaders, stakeholders, and extensive outreach efforts to the entire campus community. The District Plan has been formally adopted as an extension of the USU Master Plan. While the plan outlines a variety of short and long-term construction projects, the current project falls within the highest-priority, immediate timeline. The near-term (0-5 years) capital development priorities of USU, which include the new Huntsman Experiential Learning Center, were approved at the June 24, 2022 USU Board of Trustees meeting.

3. Fulfillment of a Critical Institutional Need

The Huntsman Experiential Learning Center will provide space for critical programs that are currently constrained by existing facilities. The existing spaces provided for these programs in existing buildings are a small fraction of what is needed, and do not have any capacity for expansion. The Huntsman School of Business has taken a keen interest in ensuring the quality

of education provided and in positioning students for success in the workforce. The spaces provided in the new building will serve existing students' needs for hands on learning experiences that are provided outside the classroom, but tied to the academic curriculum and service learning requirements of the university. Each of the centers housed in the building are dedicated fully to space for students at Utah State University, both within the College and outside of it. Research has shown that students who have the opportunity to engage in hands-on experiential learning are more likely to both obtain work after graduation and be engaged and excited about their jobs. This project, along with two others that will replace housing and parking, will all contribute to a significant improvement within the central core of campus. The university has defined a need to replace three aging residence halls that are at the end of their useful life in this district. These have significant deferred maintenance and are deficient in many code categories and ADA. The three projects have been master planned together to maximize the functional use of the site and enhance the quality of the environment within this prominent part of the Logan campus. Significant donations for the programs to be housed in the new building and for the building project itself have been either pledged or received, which further demonstrates prioritization by the Huntsman School of Business and the institution as a whole towards this initiative.



Dedicated Capital Development Project Request

2023 General Session Authorization for Fiscal Year 2024

Utah State University
Science Engineering Research Building Renovation

New space	0
Remodeled space	14,600 Sq Ft
Total Project space	14,600 Sq Ft
Demolished space	0

Project Cost	\$4,200,000
Anticipated Dedicated Funds	\$4,200,000
Other Funds	0

Describe source and amount of other funds; attach letter(s) of commitment from donors that cite timing and amount of any donations

N/A

☐ Letter(s) of commitment attached

Threshold requirements for capital projects: [refer to R741-4](#) for instructions; ensure criteria are fully addressed

1. Cost Effective and Efficient Use of Resources

The renovation of the SER building is inherently more cost effective than building new square footage. The renovation costs are roughly 1/2 the cost of new construction, and does not require the use of any new land. Re-use of existing space utilizes existing resources and reduces the need to build new buildings. The project will also utilize existing O&M funding. The re-location of Computer Science to SER also creates programmatic and functional efficiencies. The move will provide optimal adjacency for the department to the rest of the College of Science, and will give the program a better outward public presence. The department is now in a location that is remote from the rest of the College, with inconvenient access on the fourth floor of Old Main. The move to SER will place the department within a building already occupied by the College of Science. The new space will provide new opportunities to showcase the work and activities of the department in a way that is much more visible and accessible due to the location available on the main level of the

SER adjacent to the southeast entry. The new location will help the department develop a better identity and presence, and will provide new opportunities for branding and recruitment. The presence of Computer Science will breathe new life and activate the main level of this building as student centric space. Additionally, there are opportunities for Computer Science to collaborate and share spaces with the other College of Science occupants of the building, primarily the Physics Department.

2. Consistent with Institutional Role, Mission, and Master Plan

The mission at Utah State University is "to be one of the nation's premier student-centered land-grant and space-grant universities by fostering the principle that academics come first, by cultivating diversity of thought and culture, and by serving the public through learning, discovery, and engagement." The Computer Science Department is a high priority in serving this mission, as it is a rapidly growing and changing field which has become centrally important to all aspects of society. High quality, modern space that allows for growth of the department will be essential in ensuring its success. The guiding principles developed by the Computer Science Department for the project include four goals, which tie directly to the role and mission of USU: 1. Foster Community - the project will create a space which can foster a sense of community and belonging for the faculty and students, including space that the whole department can gather, and is welcoming, comfortable, and inspiring. These spaces will allow connection and collaboration within the department as well as across multiple disciplines. 2. Be Student Centric - the project will provide common areas or rooms for collaborative work, and sufficient space for coaching and tutoring. 3. Practice Continuous Improvement - the new space will be flexible to allow for changes in response to new needs and ideas that will come out of the department's continuous-improvement process. 4. Innovation and Opportunity - the new spaces will foster innovation and provide an opportunity for students to shine. Multi-use spaces will accommodate poster sessions, large group activities, and project demonstrations. The USU Master Plan and Central Core District Plan acknowledge the current SER building as a high quality and relatively new building, one which will serve the university for many more years. The Central Core District Plan anticipates that the SER building will remain viable for campus for 25+ years.

3. Fulfillment of a Critical Institutional Need

The Computer Science Department is one of the largest and fastest growing programs within the College of Science, but its current location has no capacity for growth. It also does not offer any student study or collaboration space. Addressing these needs is a top institutional priority. The re-location of the department to the SER will provide 30% more space to the Department, to accommodate growth and provide additional student study and tutoring space. The move will also solve many other institutional needs. The Computer Science move to the vacated space that was left by the IT Department is just one of a series of strategic moves that the university is planning in order to optimize space, provide space for new or expanding units, and increase the efficiency of space through desired adjacencies and appropriate fit. This USU Domino Effect Space Study is currently reliant upon the Computer Science move to SER as the first major move to start this process. The vacated space in Old Main is needed for two units: The first is for the office of the Vice President of Diversity, Equity, & Inclusivity. The second is to accommodate the Journalism and Communication (JCOM) department with the College of Humanities and Social Sciences. These additional

moves (funded separately) will allow those units to achieve optimal adjacencies within Old Main, will provide the needed space for growth, and will be able to meet other specialized needs.



Dedicated Capital Development Project Request

2023 General Session Authorization for Fiscal Year 2024

Salt Lake Community College Business Building Expansion & Remodel

New space	31,145 Sq Ft
Remodeled space	54,915 Sq Ft
Total Project space	86,060 Sq Ft
Demolished space	0 Sq Ft

Project Cost	\$31,162,058
Anticipated Dedicated Funds	\$18,063,400
Other Funds	\$15,000,000

Describe source and amount of other funds; attach letter(s) of commitment from donors that cite timing and amount of any donations

As part of a current \$40,000,000 comprehensive capital campaign, the College has made a formal funding ask of \$10,000,000 for the Business Building expansion and is waiting on acceptance of the proposal. The College anticipates confirmation of the gift by October 2022. Additionally, the College also has set aside up to \$5,000,000 in Capital Funding for this project.

☐ Letter(s) of commitment attached

Threshold requirements for capital projects: [refer to R741-4](#) for instructions; ensure criteria are fully addressed

1. Cost Effective and Efficient Use of Resources

The current total project cost for the addition and remodel of the Business Building is \$31,162,058 based on estimates of probable costs of initial planning, provided in August 2022. The construction cost are estimated to be \$22,389,910. With the Addition estimated at \$540/sq ft, the Major Remodel at \$230/sq ft and Minor Remodel estimated at \$34/sq ft. These estimates are in line with current construction costs for like projects that are occurring at SLCC, and do not reflect costs based on actual designs or engineering, but high-level conceptual plans. It is anticipated the College will design down the scope of the project costs below \$30,000,000. The College currently receives O&M support for the Business Building and would seek additional O&M for the 31,145 sq ft of new space created by the addition.

2. Consistent with Institutional Role, Mission, and Master Plan

The associate's degree in Business is the second-largest degree program at SLCC. Business is a key academic offering for SLCC and is central to our role of providing educational pathways leading to successful transfer and meaningful employment. The addition of 31,145 sq ft of new space will allow the College to continue to meet existing needs of Business Academic Programs as well as provide new space focused on Entrepreneurship, FinTech, and Sales. Additionally, the new and remodeled space provides for kickstart spaces for business incubation and collaboration, service-learning communities, and a business resource center. The contemporary instructional space will not only support the delivery of new programs but allow for the ability to deploy high impact practices designed to help students develop habits critical to success as a student and professional in their chosen career field. The College Master Plan has included a need for the expansion of the Business Building almost since the Business Building opened in 1984. The original planning for the Business Building called for a larger building or a twin building of the initial design. The 2020 Master Plan reflects the current planning for the expansion of the Business Building as it is now envisioned.

3. Fulfillment of a Critical Institutional Need

The primary driver for the remodel and expansion of the Business Building is to bring the instructional space into the 21st Century to better meet the learning needs of a much different population than the one that existed when the building was built in 1984, well before the turn of the century. The current Business Building has spaces that are no longer conducive to the collaboration required to effectively deliver relevant education to meet the needs of today's students. The Addition and remodel provide a teaching and learning environment that models the realities of modern business: one emphasizing collaboration and enables the convergence of disciplines including marketing and finance and achieves the imperative of seamlessly integrating technology inside the classroom and out. In addition to serving as the base for SLCC's second largest academic offering, the Business Building is also home to over 50 full time faculty and approximately 100 adjunct instructors. The College is actively developing new programs and expanding existing ones to meet critical industry shortages specifically within Computer Science such as cybersecurity, cloud computing, programming, and software development. The programs will integrate with current offerings and will require additional space for students and faculty. The remodel and proposed expansion of the Business Building will improve utilization through the creation of more intentional spaces that will free up traditional instructional space. The School of Business is forecasting 5% annual growth projections for AS degrees in Business Administration and Computer Science building on a return to pre-pandemic enrollment and growth trends.



UTAH SYSTEM OF
HIGHER EDUCATION

FY 2023-24 Degree Granting Institutions Non-Dedicated Project Requests

Requests

Institution	Capital Project	Amount
University of Utah	John & Marcia Price Computing & Engineering	\$98,766,271
Utah State University	Math & Statistics Building Renovation	25,456,221
Snow College	Center for Rural Studies and Community Dev.	35,864,929
		<u>\$160,087,421</u>

OCHE Initial Score (guidelines on following page)

Project	Econ.	Space	Util.	Non- funct.	Cost Eff.	Alt. Funds	Initial Score
UU John & Marcia Price Computing and Engineering	25	8	13	0	5	2	53
USU Math & Statistics Building Renovation	25	3	15	0	4	0	47
Snow Center for Rural Studies and Community Dev.	25	13	10	0	2	0	50

Capital Development Priority Guidelines: Prioritization

Initial Score (75% of Final Score)																											
Industry/Economic Demand (25% of Final Score) <i>How the project fulfills Utah industry/economic demand.</i> 5 points (unweighted): Majority of programs supported by project on High-Yield Award List (<i>High Yield</i>) 4 points: Majority of programs supported by the project lead to jobs within GOEO's targeted industries (<i>GOEO</i>) and/or lead to jobs paying at or above the local or statewide average wage (<i>Wage +</i>) 3 points: Majority of programs supported by the project lead to jobs of significant importance as evidenced by local employers (<i>Locally Significant</i>) 2 points: Less than majority but a significant number of programs supported by the project are High Yield, GOEO, Wage +, and or Locally Significant 1 point: Some programs supported by the project are High Yield, Wage +, GOEO, and or Locally Significant 0: No evidence that project supports industry/economic demand																											
Utilization (15% of Final Score) <i>Utilization of existing space in the project's category(ies) based on the Board's Room Utilization Rate (RUR) standards.</i> 15 points: $\geq 100\%$ of RUR standard (0.5 points per additional 1% of RUR standard above 70%) 0 points: $<70\%$ of RUR standard																											
Space Need (15% of Final Score) <i>How the project addresses an institution's existing space needs in the project's space category(ies).</i> Points allocated based on % of classroom, teaching lab, open lab, automotive/construction/and research lab space need that the project addresses																											
Imminent Non-functionality (10% of Final Score) <i>If the project addresses building conditions that have reached a level of imminent non-functionality on account of a catastrophic event or critical life safety, fire, or seismic deficiencies</i> 0 points for most projects; it is anticipated that points will be awarded in rare circumstances, based on consultation with DFCM																											
Cost Effectiveness (5% of Final Score) <i>Cost-effectiveness of the project based on the DFCM cost database (all projects must meet standard of cost-effectiveness established in Board Policy R741, Threshold Requirements for Capital Development Project Requests)</i> 3 points (unweighted): Cost per square foot for project type less than or equal to DFCM cost database average 2 points: Cost per square foot for project type between 100% and 110% of DFCM cost database 1 point: All other projects																											
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Degree-Granting Institution Non-Dedicated Capital Requests

University of Utah – John & Marcia Price Computing and Engineering Building

Project Cost Estimates			
State Funds	Other Funds	Total Project Cost	O&M Funds
\$98,766,271	\$80,997,800	\$179,764,112	\$2,302,251

Project Space - Gross Square Footage			
New	Renovated	Demolished	Cost per Sq.Ft.
316,926	0	0	\$686.79

Distribution of Assignable Square Footage				
Class	Lab	Study	Other	Total
7.9%	41.9%	5.7%	44.5%	100.0%

The proposed building will connect computing disciplines across campus. Proposed occupants are currently remote from one another in separate facilities. The School of Computing shares space in Merrill Engineering with two other engineering departments. The health sciences informatics departments are two miles away in leased office space in Research Park. Neither building offers the co-location and purposed-build collaborative spaces required for proper interdisciplinary education and research. In the last 15 years, enrollment in the School of Computing has more than tripled, growing by 1,874 students. Externally-funded research expenditures have also more than tripled from \$4.9M to \$17.7M and the tenure-line faculty count has increased from 24 to 51.

The space vacated by the School of Computing in the Merrill Engineering Building (M.E.B.) will be readily absorbed and occupied by the other growing College of Engineering departments which are similarly limited in growth by a lack of space. The State Legislature has funded the expansion of engineering education through the Engineering Initiative. The Initiative intends to grow the state's capacity to educate engineers and computer scientists, feeding into the workforce of Utah's booming tech-rich economy.

2017-2022 Legislative Funding

Medical Education and Discovery Complex	\$50,000,000
Applied Sciences Building	\$60,000,000
School of Medicine	\$60,000,000

Utah State University – Math & Statistics Building

Project Cost Estimates			
State Funds	Other Funds	Total Project Cost	O&M Funds
\$25,456,221	\$0	\$25,456,221	\$94,892

Project Space - Gross Square Footage			
New	Renovated	Demolished	Cost per SqFt
0	32,504	0	\$608.59

Distribution of Assignable Square Footage				
Class	Lab	Study	Other	Total
3.7%	8.8%	8.9%	78.6%	100.0%

The existing Animal Science building was built in 1918. As an aging historic building, it needs a full renovation to preserve the valuable historical resource, address code deficiencies, improve energy efficiency, and increase the comfort and functionality of the programmed space. The Animal Science building sits on a prominent site on the north side of the Quad within the Quad District of the USU campus. This building is part of the heart of the campus and is highly valued for its historical value, consistency of architectural style, open spaces, and beautiful vistas. The style of the building was designed to match the other buildings on campus built during this period. The building retains much of its exterior character with a light-colored brick and decorative archways with columns on the main facade. The building has remained mainly as an academic instruction space for offices, student space, and classrooms. It currently houses the Mathematics and Statistics Department with in College of Science. The building has undergone several significant improvements in the past. It received an addition in 1979-81 to house an elevator shaft and exit stairway and a full window replacement about ten years ago.

The scope of the work includes an upgrade to the mechanical system, which will require new air handling and central chilling. The building presently has steam radiators and a mix of window and small mini-split A/C units. The building will need major improvements to the structural system, consisting of concrete and unreinforced masonry with a wood-framed roof. The bathrooms and stairways have A.D.A. deficiencies and will need to be reconfigured. Energy efficiency upgrades to reduce air leakage and add insulation will be needed for the envelope.

2017-2022 Legislative Funding

2017	Biological Sciences Building	\$10,000,000
2018	Biological and Natural Resources Building	\$23,000,000
2019	Grand County USU Extension	\$1,000,000
2021	Heravi Global Teaching & Learning Center	\$14,500,000
2022	Veterinary School	\$32,260,500*
2022	Monument Valley	\$5,000,000

*Legislature directed \$14.2 million FY 23 allocation to Veterinary School

Snow College – Center for Rural Studies and Community Development

Project Cost Estimates			
State Funds	Other Funds	Total Project Cost	O&M Funds
\$35,864,929	\$735,000	\$36,599,929	\$471,331

Project Space - Gross Square Footage			
New	Renovated	Demolished	Cost per SqFt
45,030	0	13,895	\$631.47

Distribution of Assignable Square Footage				
Class	Lab	Study	Other	Total
51.5%	22.8%	10.1%	15.6%	100.0%

In coordination with Governor Cox's emphasis on rural economic development, this project is an important opportunity for Snow College and Central Utah. The building provides new technologies and facility improvement that is essential to support Competency-Based Education, lab spaces for Rural Utah Polling, criminal justice, computer methodology courses, inter-disciplinary classrooms, and coordination of rural development outreach. The new facility will also enable Snow College to provide programs and resources to address challenges facing rural Utahns.

Three existing facilities will be impacted by the construction of the new building: Greenwood Hall, a residence hall constructed in 1944 that is only partially used for student housing because of poor conditions and the infeasibility of remodeling the building due to structural and seismic issues; the Home and Family Sciences building which is 86 years old and has serious structural issues and cannot be added onto or reconfigured; and the Social Science Building, which will not be torn down, but will be repurposed to meet growing facility needs in mathematics. It is prohibitively expensive and structurally impossible to upgrade the Home and Family Studies building. The building cannot be enlarged beyond its footprint. The sewer lines in that building are over 80 years old and are failing. Sections of the sewer lines were replaced only a few years ago to prolong the life of the building when it was discovered that the Home and Family Studies was built on top of an old pioneer-era cesspool. Part of the sewer lines in the building were being drained into the cesspool.

2017-2022 Legislative Funding

2017	Land Bank	\$555,000
2018	Stadium and Sports Complex	\$5,000,000
2019	Stadium and Sports Complex (cost overrun)	\$650,000

Legislative Funding History 2017-2022

Institution	Year	Building/Project	Funded Amount	Funded O&M
USU	2017	Biological Sciences Building	\$10,000,000	
UVU	2017	Performing Arts Building	\$10,000,000	
UU	2017	Medical Education and Discovery Complex	\$5,000,000	\$473,400
OWTech	2017	Business Depot Improvement	\$6,586,500	\$336,200
DSU	2017	Human Performance Center	\$8,000,000	\$595,000
WSU	2017	Social Sciences Building (Lindquist Hall)	\$14,000,000	\$432,200
UBTech	2017	Welding Technology Building	\$4,525,100	
Snow	2017	Land Bank	\$555,000	
			\$58,666,600	\$1,836,800
UU	2018	Medical Education and Discovery Complex	\$45,000,000	
DSU	2018	Human Performance Center	\$17,000,000	
Dtech	2018	Allied Health Building	\$34,364,500	\$661,300
MTech	2018	Thanksgiving Point Campus Technical Trades	\$33,000,000	\$683,700
WSU	2018	Social Sciences Building (Lindquist Hall)	\$15,940,000	
USU	2018	Biological and Natural Resources Building	\$23,000,000	\$211,700
Snow	2018	Stadium and Sports Complex	\$5,000,000	
			\$173,304,500	\$1,556,700
DSU	2019	Human Performance Center (cost overrun)	\$4,400,000	
Snow	2019	Stadium and Sports Complex (cost overrun)	\$650,000	\$50,000
USU	2019	Grand County USU Extension	\$1,000,000	
DSU	2019	Science Building	\$50,000,000	\$821,300
WSU	2019	Noorda Engineering and Applied Science Building	\$50,000,000	\$659,200
UVU	2019	New Business Building	\$50,000,000	\$1,466,900
SUU	2019	Technology, Engineering & Design Building (design)	\$2,000,000	
			\$158,050,000	\$2,997,400
SUU	2021	Academic Classroom Building	\$43,013,700	\$806,400
BTECH	2021	Health Science and Technology Building	\$38,059,600	\$624,000
UU	2021	Applied Sciences Building	\$60,000,000	\$646,500
USU	2021	Heravi Global Teaching & Learning Center	\$14,500,000	\$332,100
SLCC	2021	Herriman Campus General Education Building	\$32,674,800	\$1,026,500
DSU	2021	Land Bank	\$15,000,000	
DTech	2021	Land Purchase	\$1,000,000	
			\$204,248,100	\$3,435,500

(continued on next page)

UVU	2022	Engineering Building	\$80,000,000	\$1,755,200
UU	2022	School of Medicine	\$60,000,000	\$162,100
UU	2022	Interdisciplinary Computing Building	\$4,800,000	
UTU	2022	General Classroom	\$56,085,000	\$868,600
USU	2022	Veterinary School	\$32,260,500	\$194,600
USU	2022	Monument Valley	\$5,000,000	
WSU	2022	David O McKay Education Building	\$27,132,200	\$171,200
SUU	2022	Music Center Renovation	\$19,500,000	\$164,000
SUU	2022	Stadium Flood Repair	\$9,200,000	
SLCC	2022	Applied Technology Center	\$5,000,000	
MTECH	2022	Payson Campus	\$47,922,000	\$798,700
DTECH	2022	Campus Renovations Phases	\$20,366,000	\$117,500
TTECH	2022	Building Expansion	\$24,749,000	\$597,400
BTECH	2022	Land Bank	\$16,500,000	
			\$408,514,700	\$4,829,300



UTAH SYSTEM OF
HIGHER EDUCATION

FY 2023-24 Technical College Project Requests

Requests

Institution	Capital Project	Amount
Bridgerland Technical College	Manufacturing & Construction Reno.	\$24,749,979
Davis Technical College	Emergency Services Training Center	4,225,840
Dixie Technical College	Trades & Technology Building	46,625,158
Mountainland Technical College	Wasatch Campus Building	65,737,403
Ogden Weber Technical College	Pathway Building	79,293,838
Uintah Basin Technical College	Health Science Building	73,495,739
		<hr/> \$294,127,957

OCHE Initial Score (guidelines on following page)

Project	Econ.	Space	Util.	Non- funct.	Cost Eff.	Alt. Funds	Initial Score
BTech Manufacturing & Construction Reno.	25	6	13	0	2	0	46
DTech Emergency Services Training Center	15	12	15	0	4	1	47
DxTech Trades & Technology Building	25	9	10	0	5	0	49
MTech Wasatch Campus Building	25	12	13	0	5	0	55
OTech Pathway Building	25	10	13	0	5	0	53
UBTech Health Science Building	25	2	13	0	4	0	44

Tech Colleges Dedicated Capital Projects Fund Current (FY 23) and Anticipated Status (FY 24)

2022 General Session: FY 23				2023 General Session: FY 24	
Base Approp.	Additional Approps.		Balance	Base Approp. (e)	Balance (e)
	To Fund	From Fund			
\$19,310,300	\$81,037,000	\$(93,037,000)	\$7,310,000	\$19,310,300	\$26,620,300
	Mountainland Tech	\$(47,922,000)			
	Tooele Tech	\$(24,749,000)			
	Davis Tech	\$(20,366,000)			

(e) = estimate based on anticipated base budget appropriation

Capital Development Priority Guidelines: Prioritization

Initial Score (75% of Final Score)			
Industry/Economic Demand (25% of Final Score) <i>How the project fulfills Utah industry/economic demand.</i> 5 points (unweighted): Majority of programs supported by project on High-Yield Award List (<i>High Yield</i>) 4 points: Majority of programs supported by the project lead to jobs within GOEO's targeted industries (<i>GOEO</i>) and/or lead to jobs paying at or above the local or statewide average wage (<i>Wage +</i>) 3 points: Majority of programs supported by the project lead to jobs of significant importance as evidenced by local employers (<i>Locally Significant</i>) 2 points: Less than majority but a significant number of programs supported by the project are High Yield, GOEO, Wage +, and or Locally Significant 1 point: Some programs supported by the project are High Yield, Wage +, GOEO, and or Locally Significant 0: No evidence that project supports industry/economic demand			
Utilization (15% of Final Score) <i>Utilization of existing space in the project's category(ies) based on the Board's Room Utilization Rate (RUR) standards.</i> 15 points: >= 100% of RUR standard (0.5 points per additional 1% of RUR standard above 70%) 0 points: <70% of RUR standard			
Space Need (15% of Final Score) <i>How the project addresses an institution's existing space needs in the project's space category(ies).</i> Points allocated based on % of classroom, teaching lab, open lab, automotive/construction/and research lab space need that the project addresses			
Imminent Non-functionality (10% of Final Score) <i>If the project addresses building conditions that have reached a level of imminent non-functionality on account of a catastrophic event or critical life safety, fire, or seismic deficiencies</i> 0 points for most projects; it is anticipated that points will be awarded in rare circumstances, based on consultation with DFCM			
Cost Effectiveness (5% of Final Score) <i>Cost-effectiveness of the project based on the DFCM cost database (all projects must meet standard of cost-effectiveness established in Board Policy R741, Threshold Requirements for Capital Development Project Requests)</i> 3 points (unweighted): Cost per square foot for project type less than or equal to DFCM cost database average 2 points: Cost per square foot for project type between 100% and 110% of DFCM cost database 1 point: All other projects			
Alternative Funds (5% of Final Score) <i>Share of project's costs supported by alternative funds (including value of land donations)</i>			
	Research	Regional	Community/Tech
5 points:	75% or more	61% or more	47% or more
4 points:	50% - 74.9%	41% - 60.9%	32% - 46.9%
3 points:	30% - 49.9%	25% - 40.9%	20% - 31.9%
2 points:	10% - 29.9%	9% - 12.9%	8% - 10.9%
1 point:	5% - 9.9%	5% - 8.9%	3% - 7.9%
Board Assessment (25% of Final Score)			
The Board may award additional points if the weighted initial score exceeds 40 points. Each Board member will submit an anonymous scoring sheet that assesses the degree to which the project advances each of the access, affordability, completion, and workforce alignment pillars of the Board's strategic plan. 4 points (unweighted): Project will significantly advance pillar 3 points: Project will moderately advance pillar 2 points: Project will somewhat advance pillar 1 point: Project will slightly advance pillar			

Technical College Capital Requests

Bridgerland Technical College – Manufacturing & Construction Program Renovation

Project Cost Estimates				Project Space - Gross Square Footage			
State Funds	Other Funds	Total Project Cost	O&M Funds	New	Renovated	Demolished	Cost per SqFt
\$24,749,979	\$0	\$24,749,979	\$366,282	14,900	36,900	0	\$340.31

Distribution of Assignable Square Footage				
Class	Lab	Study	Other	Total
11.6%	42.5%	3.0%	42.9%	100.0%

Manufacturing is the Bear River region's largest and fastest growing industry sector. It makes up 23% of the region's workforce and 35% of the wages paid. The Bear River region has the lowest unemployment rate in the nation, which makes it essential to cultivate a pipeline of students into manufacturing, automation, and construction careers to provide employers with the necessary workforce.

This project will also address critical program adjacencies designed to improve overall efficiencies for the college. Automation equipment can be expensive so moving like programs by like programs eliminates or significantly reduces the need to duplicate equipment in each program. The college has worked hard over the past decade to collaborate with local high schools, other technical colleges, and degree-granting institutions across the state to maximize improvements to curriculum development. In addition, cultivating a pipeline of new students and workforce begins in the ten area high schools. We have not only maximized the use of our facilities, but we have developed a relationship with all of the high schools in the Bear River region to utilize their space in the early morning and after-school hours. Using a combination of learning management systems and remote delivery technology, the college broadcasts automation training into ten area high schools.

2017-2022 Legislative Funding

2021	Health Science and Technology Building	\$38,059,600
2022	Land Bank	\$16,500,000

Davis Technical College – Emergency Services Training Center

Project Cost Estimates				Project Space - Gross Square Footage			
State Funds	Other Funds	Total Project Cost	O&M Funds	New	Renovated	Demolished	Cost per SqFt
\$4,225,840	\$446,290	\$4,672,130	\$37,457	6,071	0	0	\$568.15

Distribution of Assignable Square Footage				
Class	Lab	Study	Other	Total
0.0%	98.1%	0.0%	1.9%	100.0%

Davis Technical College has been teaching and preparing firefighters for the State of Utah for the past 15 years. The Firefighter program is required to provide significant hands-on training that is currently scheduled with a leased training center owned and operated by Layton City. Access to Layton City's training center is limited and prohibits the growth of the Firefighter program at Davis Technical College.

This proposed project is an Emergency Services Training Center that will include two new facilities:

- 1) Fire Tower
- 2) Apparatus Storage Facility

These proposed facilities will include state-of-the-industry training opportunities for the following programs at Davis Technical College: Firefighter, Emergency Medical Technician (EMT), and Advanced Emergency Medical Technician.

The Davis Tech Firefighter program accommodates 25 students per session, with two sessions per year. Once the training center is complete, daytime sessions will be opened to an additional 50 students. Once the program reaches 100 students per year, the training center will be at capacity (in approximately three to five years).

2017-2022 Legislative Funding

2018	Allied Health Building	\$34,364,500
2021	Land Purchase	\$1,000,000
2022	Campus Renovations Phases	\$20,366,000

Dixie Technical College – Trades & Technology Building

Project Cost Estimates				Project Space - Gross Square Footage			
State Funds	Other Funds	Total Project Cost	O&M Funds	New	Renovated	Demolished	Cost per SqFt
\$46,625,158	\$1,000,000	\$47,625,158	\$608,909	74,991	0	0	\$476.02

Distribution of Assignable Square Footage				
Class	Lab	Study	Other	Total
15.2%	50.9%	4.3%	29.7%	100.0%

The purpose of the project is to provide much needed space to expand the College's offerings in order to meet local industry demand. The expansion will include a Trades and Technology building that will house 15,700 sq feet of new Construction Technology classrooms and labs, 14,500 sq feet for a new Diesel Technician Lab and classrooms, and 28,500 sq feet in new Computer Technology labs and classrooms. The space currently dedicated to these programs will be used for program expansion in the medical/healthcare programs, welding, CNC machining, and collision repair programs.

The Dixie Tech permanent campus was completed in late 2017. At the time, 162,000 sq. ft. of new space, plus the remodeled terminal, were expected to meet projected growth for the next ten years. Once settled into the permanent space, student enrollment and industry demand have grown at unexpected and unprecedented rates. Program headcount is up 39.7%, and Membership Hours are up 51.4% over the three years we have occupied the new space. Not only is our graduation rate at an impressive 78%, but the number of graduates also grew astronomically from 341 in F.Y. 2020 to 549 in 2021, a 61% increase in the number of graduates in one year.

Mountainland Technical College – Wasatch Campus

Project Cost Estimates			
State Funds	Other Funds	Total Project Cost	O&M Funds
\$65,737,403	\$914,000	\$66,651,403	\$848,202

Project Space - Gross Square Footage			
New	Renovated	Demolished	Cost per SqFt
101,647	0	0	\$475.15

Distribution of Assignable Square Footage				
Class	Lab	Study	Other	Total
22.8%	40.3%	0.0%	36.9%	100.0%

MTECH is proposing the construction of a new campus in Heber. The building is proposed at 101,647 square feet and will house a variety of programs offered by MTECH. A portion of the land for the campus is being donated to the College for the purpose of building the campus. The property is bare and there are no structures that would need to be demolished. All utilities are or will be located adjacent to the property. The site is adjacent to a proposed site for a new high school in the Wasatch School District. The proximity to the high school will allow for increased secondary student participation in the region.

Programs to be taught in the new construction include welding, diesel, automotive, apprenticeships, information technology, digital marketing and analytics, nurse assistant, medical assistant, culinary arts, and any other programs deemed necessary through the programming process. The program capacity will increase in all programs that currently have insufficient capacity to meet the demands of business and industry.

The regional workforce demand over the next ten years is fueled by a regional population growth rate of 26%. With a projected population of over 100,000 (Chmura, 2022) by 2032, the Wasatch/Summit area will be the second largest non-Wasatch front region in Utah, just behind Washington and Iron Counties which currently have their own Technical Colleges.

2017-2022 Legislative Funding

2018	Thanksgiving Point Campus Technical Trades	\$33,000,000
2022	Payson Campus	\$47,922,000

Ogden Weber Technical College – Pathway Building

Project Cost Estimates			
State Funds	Other Funds	Total Project Cost	O&M Funds
\$79,293,838	\$0	\$79,293,838	\$630,123

Project Space - Gross Square Footage			
New	Renovated	Demolished	Cost per SqFt
121,798	0	0	\$501.29

Distribution of Assignable Square Footage				
Class	Lab	Study	Other	Total
17.2%	18.8%	4.8%	59.3%	100.0%

Since its inception in 1971, OTECH has been grounded in one primary goal: to provide world-class technical training for the community. Thousands of lives have been changed through technical education, and OTECH is committed to the success of students and employers. To ensure that success, capacity must be expanded to meet current workforce needs and prepare for projected growth. Community members are waiting to enroll, and employers are waiting to hire graduates.

The college's overall FY22 fall enrollment increased by 11.68% and high school student enrollment increased 25%. OTECH served 5,869 students in FY22--33% of whom were from historically underrepresented groups---and awarded 1,016 certificates. The student body is growing rapidly while room is limited and cobbled together in multiple locations to accommodate students. Industry apprenticeship training is full with waiting lists and other high demand programs are at capacity. Business, Computer

Programming, Graphic Design, Real Estate, Plumbing Apprenticeship and Electrical Apprenticeship will be expanded to serve an additional 900 students. While more students are enrolling and graduating than ever, there are still not enough graduates to meet industry demand. Going forward, the college is on track for even more growth, and new classrooms will allow program expansion and certificate completions where demand outpaces capacity.

2017-2022 Legislative Funding

OWTech 2017 Business Depot Improvement \$6,586,500

Uintah Basin Technical College – Health Science Building

Project Cost Estimates			
State Funds	Other Funds	Total Project Cost	O&M Funds
\$73,495,739	\$0	\$73,495,739	\$937,057

Project Space - Gross Square Footage			
New	Renovated	Demolished	Cost per SqFt
91,000	0	4,290	\$603.74

Distribution of Assignable Square Footage				
Class	Lab	Study	Other	Total
17.2%	31.4%	4.0%	47.4%	100.0%

The mission of UBTech is to provide technical education to both secondary and adult students, to fulfill labor market needs, and to promote economic development in the Uintah Basin.

The new Health Science Building includes space for expanding student capacity of the college's existing healthcare related programs and courses. UBTech is a critical workforce development partner for Northeastern Utah, providing nearly 90% of the support staff for medical centers, long-term care facilities, Indian Health Services, dental practices and government related healthcare support services.

UBTech projects the capability of doubling program graduates as a result of the building's additional capacity, in the following program areas: Practical Nursing, Medical Assistant, Nursing Assistant, Pharmacy Technician, Surgical Technician, Line Cook, Culinary Arts, Anatomy and Physiology, Sports Medicine, Exercise Science, Medical Terminology and Medical Math. The following programs will be added to support the workforce needs of the healthcare professions in our service region (Daggett, Duchesne, Uintah Counties) upon completion of the project: Dental Assistant, EMT/Paramedic, Ultrasound Technician and Meat Science programs.

2017-2022 Legislative Funding

Welding Technology Building \$4,525,100

Legislative Funding History 2017-2022

Institution	Year	Building/Project	Funded Amount	Funded O&M
USU	2017	Biological Sciences Building	\$10,000,000	
UVU	2017	Performing Arts Building	\$10,000,000	
UU	2017	Medical Education and Discovery Complex	\$5,000,000	\$473,400
OWTech	2017	Business Depot Improvement	\$6,586,500	\$336,200
DSU	2017	Human Performance Center	\$8,000,000	\$595,000
WSU	2017	Social Sciences Building (Lindquist Hall)	\$14,000,000	\$432,200
UBTech	2017	Welding Technology Building	\$4,525,100	
Snow	2017	Land Bank	\$555,000	
			\$58,666,600	\$1,836,800
UU	2018	Medical Education and Discovery Complex	\$45,000,000	
DSU	2018	Human Performance Center	\$17,000,000	
Dtech	2018	Allied Health Building	\$34,364,500	\$661,300
MTech	2018	Thanksgiving Point Campus Technical Trades	\$33,000,000	\$683,700
WSU	2018	Social Sciences Building (Lindquist Hall)	\$15,940,000	
USU	2018	Biological and Natural Resources Building	\$23,000,000	\$211,700
Snow	2018	Stadium and Sports Complex	\$5,000,000	
			\$173,304,500	\$1,556,700
DSU	2019	Human Performance Center (cost overrun)	\$4,400,000	
Snow	2019	Stadium and Sports Complex (cost overrun)	\$650,000	\$50,000
USU	2019	Grand County USU Extension	\$1,000,000	
DSU	2019	Science Building	\$50,000,000	\$821,300
WSU	2019	Noorda Engineering and Applied Science Building	\$50,000,000	\$659,200
UVU	2019	New Business Building	\$50,000,000	\$1,466,900
SUU	2019	Technology, Engineering & Design Building (design)	\$2,000,000	
			\$158,050,000	\$2,997,400
SUU	2021	Academic Classroom Building	\$43,013,700	\$806,400
BTECH	2021	Health Science and Technology Building	\$38,059,600	\$624,000
UU	2021	Applied Sciences Building	\$60,000,000	\$646,500
USU	2021	Heravi Global Teaching & Learning Center	\$14,500,000	\$332,100
SLCC	2021	Herriman Campus General Education Building	\$32,674,800	\$1,026,500
DSU	2021	Land Bank	\$15,000,000	
DTech	2021	Land Purchase	\$1,000,000	
			\$204,248,100	\$3,435,500

(continued on next page)

UVU	2022	Engineering Building	\$80,000,000	\$1,755,200
UU	2022	School of Medicine	\$60,000,000	\$162,100
UU	2022	Interdisciplinary Computing Building	\$4,800,000	
UTU	2022	General Classroom	\$56,085,000	\$868,600
USU	2022	Veterinary School	\$32,260,500	\$194,600
USU	2022	Monument Valley	\$5,000,000	
WSU	2022	David O McKay Education Building	\$27,132,200	\$171,200
SUU	2022	Music Center Renovation	\$19,500,000	\$164,000
SUU	2022	Stadium Flood Repair	\$9,200,000	
SLCC	2022	Applied Technology Center	\$5,000,000	
MTECH	2022	Payson Campus	\$47,922,000	\$798,700
DTECH	2022	Campus Renovations Phases	\$20,366,000	\$117,500
TTECH	2022	Building Expansion	\$24,749,000	\$597,400
BTECH	2022	Land Bank	\$16,500,000	
			\$408,514,700	\$4,829,300



UTAH SYSTEM OF
HIGHER EDUCATION

MEMORANDUM

TAB J

September 15, 2022

FY 2024 Land Bank Requests

Mountainland Technical College, Snow College, and Weber State University are seeking the Board's approval to request appropriations for land banks from the Utah Legislature in the 2023 General Session.

Institution	Capital Project	Amount
Mountainland Technical College	Wasatch Community – 8.2 Acres	\$3,000,000
Snow College	Triple D	3,000,000
Snow College	Jorgensen Property – 1.42 Acres	850,000
Snow College	Central Valley Medical Center	2,000,000
Weber State University	Farmington Station – 6.57 Acres	<u>5,723,780</u>
		\$14,573,780

Commissioner's Recommendation

The Commissioner recommends the Board review and consider authorizing these land bank requests to move forward to the Utah Legislature.

Attachments



MOUNTAINLAND
TECHNICAL COLLEGE

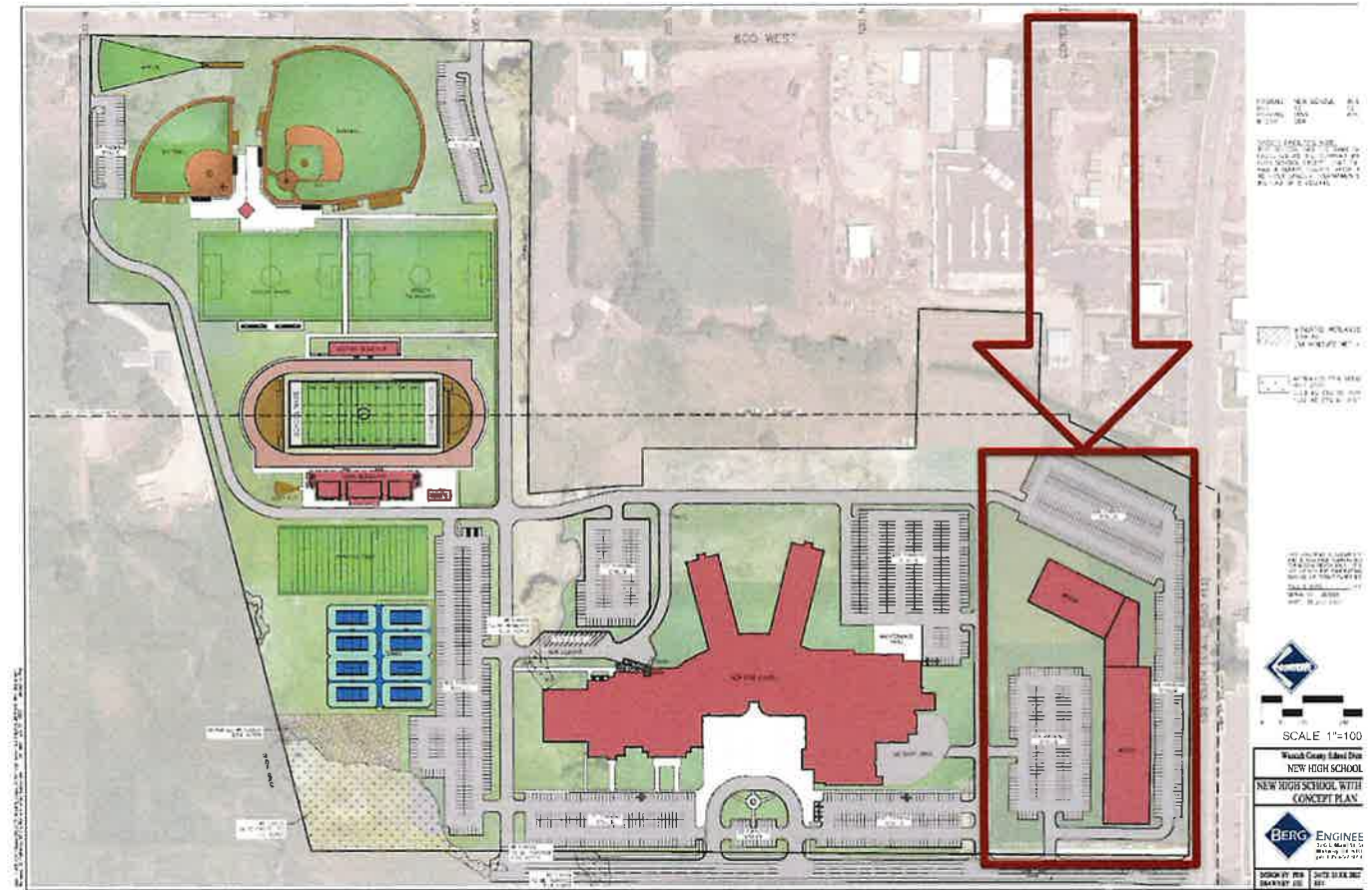
Heber City Land Acquisition
Kirt Michaelis, VP Administrative Services

Purchase Price and Donation

- Mountainland Technical College proposes to purchase 8.2 acres of vacant land for a purchase price of \$3 Million.
 - The purchase will happen in 2 parts
 - The first 2.9 acres of land will be purchased for \$1 Million.
 - The additional 5.3 acres will be purchased using an option that will be available to the College for the next two years.
- Wasatch County School District will donate an additional 2.5 acres of adjacent land if the 8.2 acres are purchased.
- Total purchase price \$3M
 - Effective rate per acre with donation \$280K



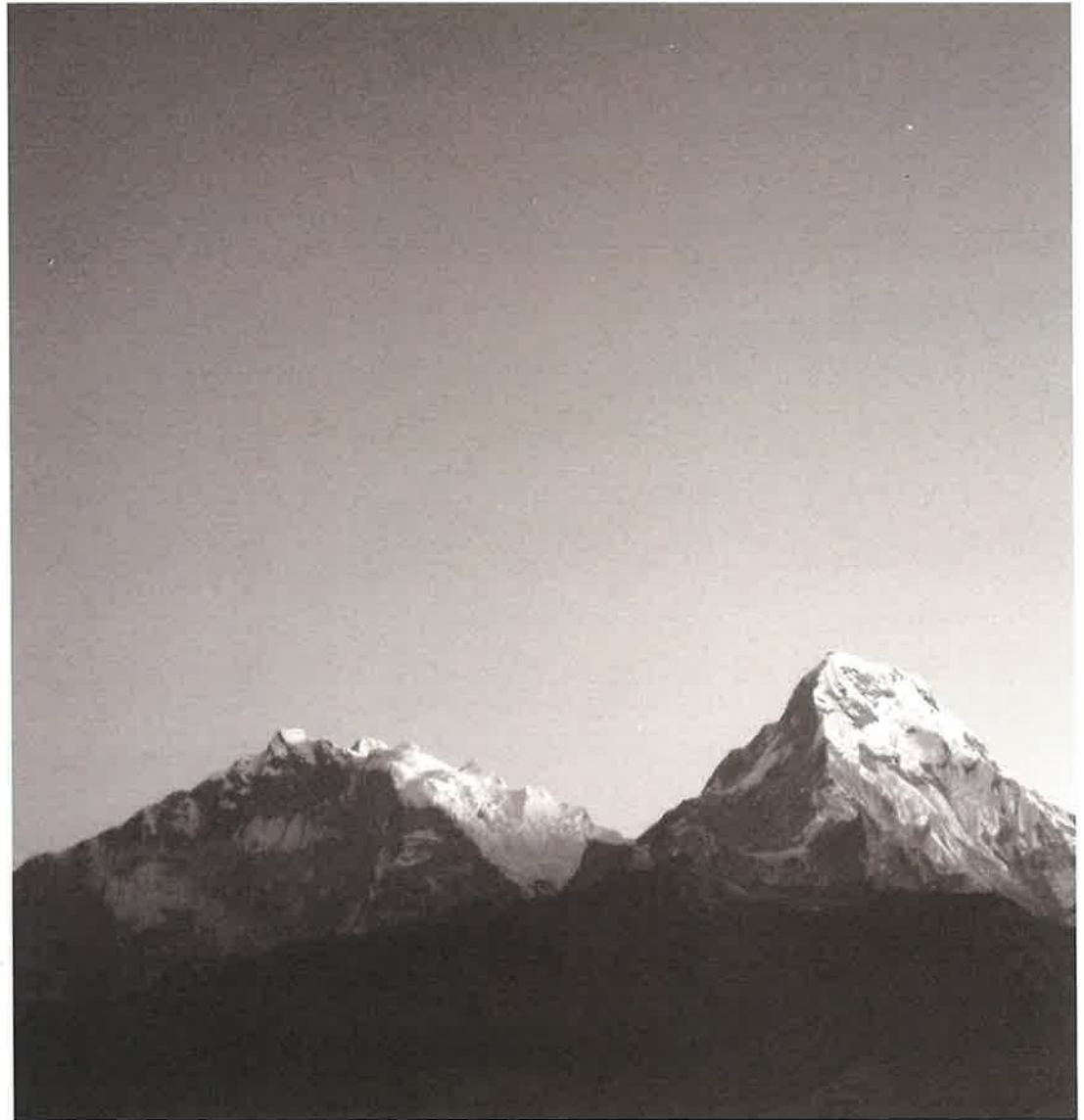
Proposed Wasatch Campus



Recommendation

Approval to purchase 8.2 acres of vacant land in Heber City, Utah.

- Contingent on successful completion of due diligence items.





MOUNTAINLAND
TECHNICAL COLLEGE



Land Bank Requests

FY 2024



CENTRAL VALLEY MEDICAL CENTER = \$2.0 million



- Located across street from Snow College Nephi Learning Center

TRIPLE D RENTALS = \$3.0 million

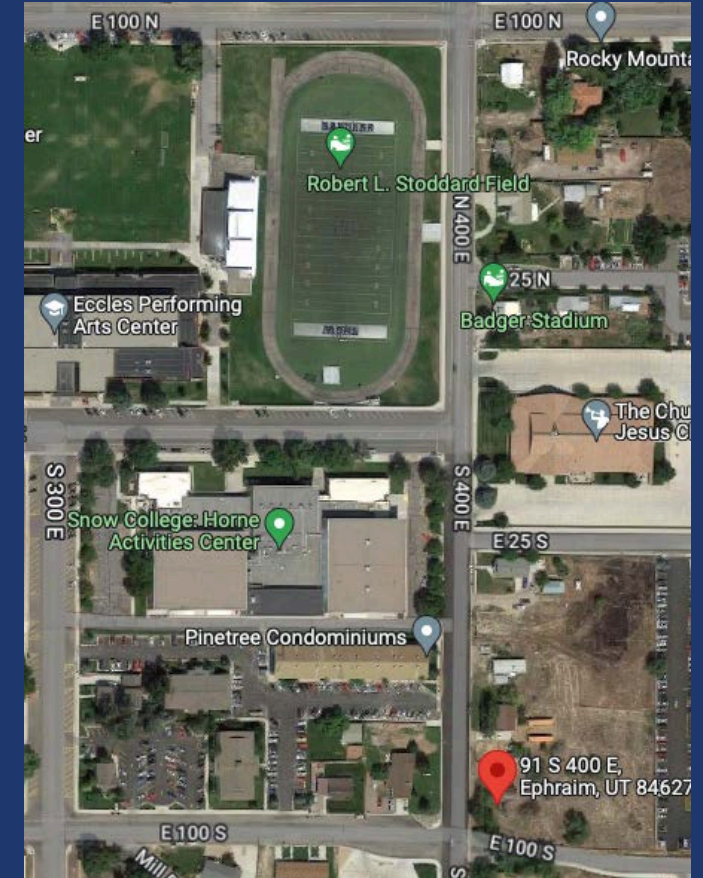


- 8 Locations surrounding Snow College

JORGENSEN PROPERTY = \$0.85 million



- 1.67 acres
- 2 structures (homes)
- Listed 9/9 for \$854,000



Farmington, Utah

Station Park

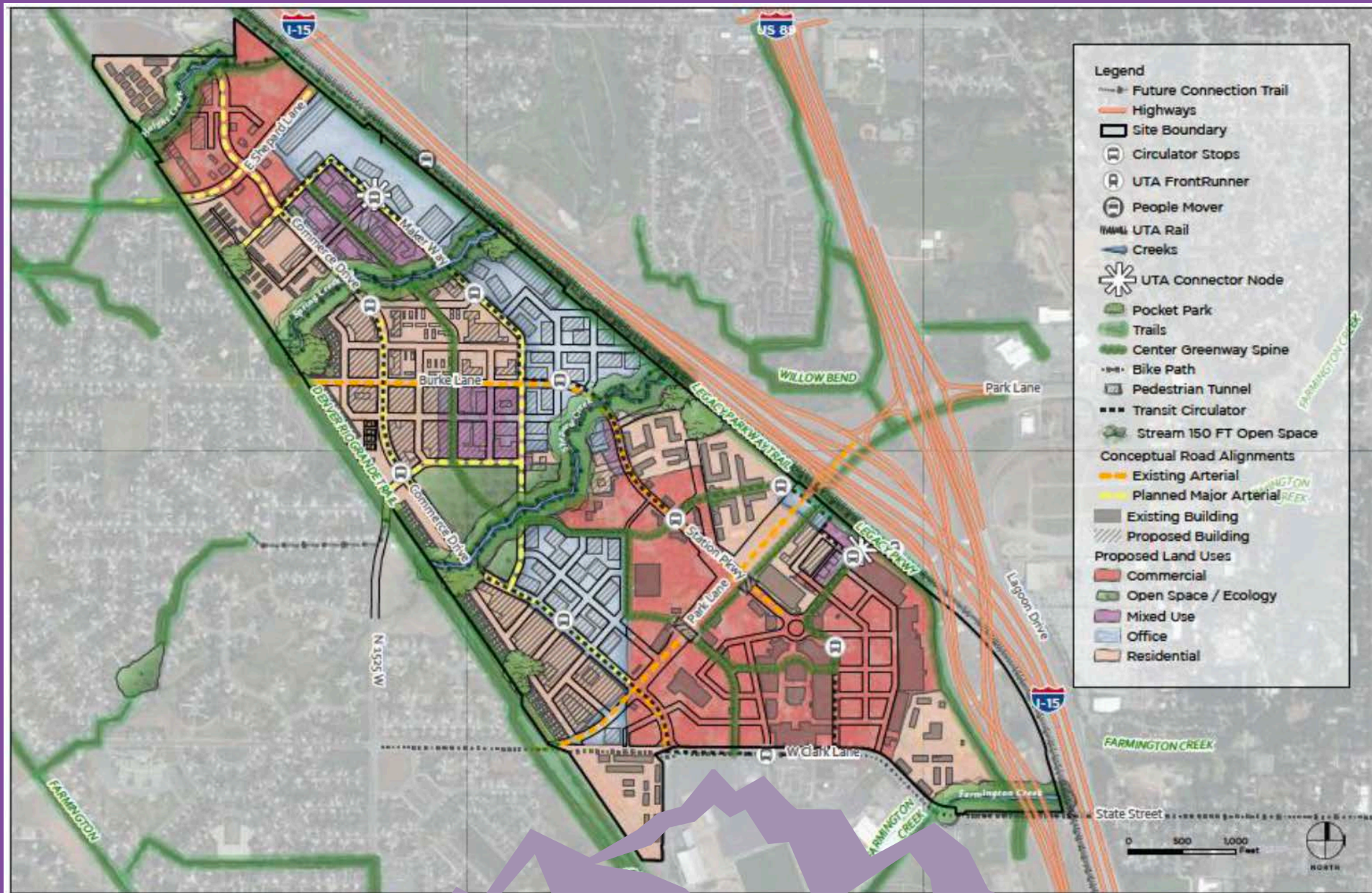
Landbank Request



WEBER STATE
UNIVERSITY



WEBER STATE UNIVERSITY





DRAFT



WSU SATELLITE BUILDING -
PROPOSED SITE PLAN

Farmington City Property Proposal | Weber State University



WEBER STATE UNIVERSITY



DRAFT



WSU SATELLITE BUILDING -
SITE PLAN / FUTURE GROWTH
Farmington City Property Proposal | Weber State University



WEBER STATE UNIVERSITY



DRAFT



WSU SATELLITE BUILDING -
MASSING STUDY BIRDSEYE NORTHWEST
Farmington City Property Proposal | Weber State University



WEBER STATE UNIVERSITY



DRAFT



WSU SATELLITE BUILDING -
MASSING STUDY / FUTURE GROWTH BIRDSEYE NORTHWEST
Farmington City Property Proposal | Weber State University



WEBER STATE UNIVERSITY

Property Details

- 6.57 acres
- \$5.7 million appraised value
- Owned by Farmington City





MEMORANDUM

TAB K

September 15, 2022

Mountainland Technical College – Acquisition of Property

Board Policy R703, *Acquisition of Real Property*, requires the institutions of Higher Education to seek Board approval for real property acquisitions that commit institutional funds in excess of \$1.5 million. Mountainland Technical College (MTech) is requesting approval from the Board to acquire 8.2 acres of property located in the Wasatch Community in Heber, Utah. The purchase price has been set at \$3 million and would be contingent on the following due diligence items:

- Appraisal
- Title Report and Insurance Commitment

This acquisition is being made to strategically leverage and support the Capital Development Request to construct the first building on the MTech Wasatch Campus.

Mountainland Technical College Board of Trustees approved the acquisition at their August 17, 2022, meeting.

Commissioner's Recommendation

The Commissioner recommends the Board authorize the property acquisition for Mountainland Technical College, as described in the accompanying documents, and forward it to the full Board for final approval.

Attachment



August 25, 2022

Mr. David Woolstenhulme
Commissioner
Utah System of Higher Education, Two Gateway
60 South 400 West
Salt Lake City, Utah 84101-1284

Dear Commissioner Woolstenhulme:

The Mountainland Technical College hereby requests approval from the Board of Higher Education to proceed with closing on the acquisition of 8.2 acres of vacant land in the Wasatch Community in Heber City, Utah. The purchase price has been set at \$3,000,000 and closing would be contingent on the completion of the following due diligence items:

- Appraisal
- Title Report and Insurance Commitment

This acquisition is being made strategically in order to leverage the current financial opportunities represented in the purchase terms and to further the Capital Development Request being submitted by the College. Mountainland Technical College will then continue to develop more in-depth plans once programming is complete to guide the development of the Wasatch Campus. Additional details on this request can be found in the attached information.

The Mountainland Technical College Board of Trustees approved this acquisition during its meeting on August 17, 2022.

Accordingly, I would appreciate an opportunity to present this purchase to the Finance and Facilities Committee at the September 15, 2022 Board of Higher Education meeting.

Thanks for your consideration and support

Sincerely,

Kirt Michaelis
Vice President, Administrative Services



MOUNTAINLAND

TECHNICAL COLLEGE



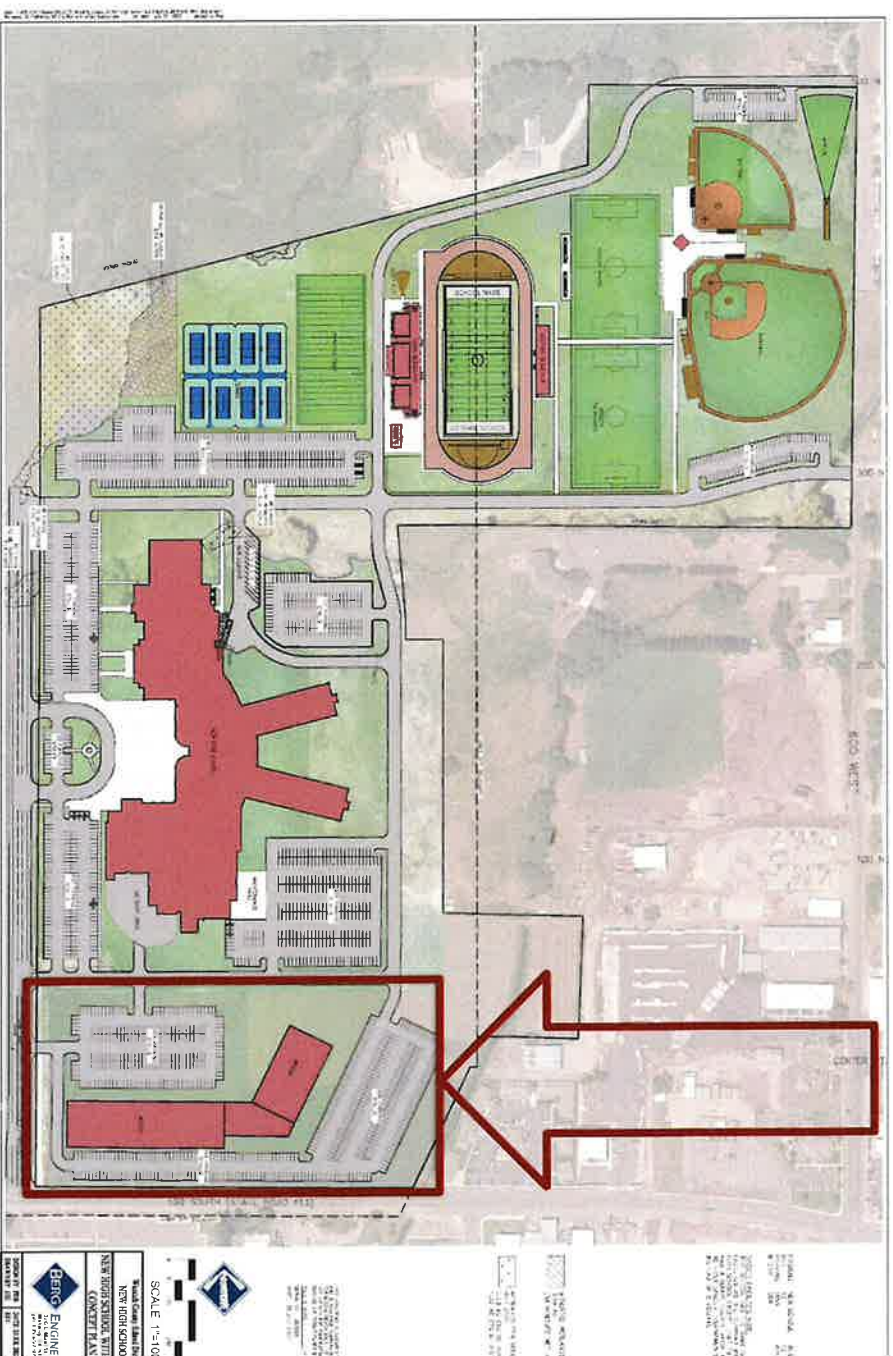
Heber City Land Acquisition
Kirt Michaelis, VP Administrative Services

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- Total purchase price \$3M
- Effective rate per acre with donation \$280K



Proposed Wasatch Campus



Recommendation

Approval to purchase 8.2 acres of vacant land in Heber City, Utah.

- Contingent on successful completion of due diligence items.





MOUNTAINLAND
TECHNICAL COLLEGE





Dedicated Capital Development Project Request

2023 General Session Authorization for Fiscal Year 2024

Southern Utah University

Business Building West Addition (working name)

New space	21,640 Sq Ft
Remodeled space	0 Sq Ft
Total Project space	21,640 Sq Ft
Demolished space	10,169 Sq Ft

Project Cost	\$17,344,344 based on 9/14/22 CBE update
Anticipated Dedicated Funds	\$12,510,000
Other Funds	\$4,834,344

Describe source and amount of other funds; attach letter(s) of commitment from donors that cite timing and amount of any donations

This project is design to expand SUU's current Business Building to accommodate significant growth in enrollments and programming. Initial cost projections were between \$10-\$12 million. Over the past year each newly updated CBE has captured price escalations which have inflated the estimated cost to \$17.3 million as of September 14, 2022. Other funds for this project include \$2.5 million from Institutional Funds, \$2.5 million fundraising campaign in conjunction with the Business School's National Advisory Board.

☐ **Letter(s) of commitment attached**

Threshold requirements for capital projects: [refer to R741-4](#) for instructions; ensure criteria are fully addressed

1. Cost Effective and Efficient Use of Resources

Under the direction of President Scott L Wyatt, growing SUU's enrollment became a significant priority. Prior to President Wyatt's tenure, which began in January 2014, enrollment at SUU had been flat for approximately ten years. End of term enrollment when President Wyatt began stood at just 8,200 students. By Fall 2021 SUU's enrollment has risen an impressive 75% to 14,324 students. As the University has documented in recent building requests, growing enrollment this significantly has caused a number of pressure points. The

School of Business did not project growth at this level and therefore built a new building that has basically been outgrown. Additional faculty positions have been added at SUU annually to address challenges of meeting the demand for general education courses and upper division courses as retention rates and completion rates have risen. Between Fall semester 2016 and Fall of 2022 the Administration has added 96 new full-time faculty positions, increasing from 277 to 373. Classrooms across campus are being used more frequently with accompanying larger class sizes where feasible (the vast majority of classrooms at SUU are designed for only 30-40 students). Office space has been at a premium with SUU's Facilities department remodeling annually to create more office space. In August 2018, SUU held the ribbon-cutting ceremony for the new Dixie L. Leavitt Business Building. At this time SUU enrollment was 10,196 students and business school enrollment for declared majors was 1,048 with 28 full-time faculty. From 2010 to 2016, the business school enrollment had been fairly flat fluctuating between 725 to 760 students, SUU enrollment followed a similar pattern. From 2018 to 2021 (4 years), business school enrollment for declared major has grown 61% with 1,690 students Fall semester 2021. SUU total enrollment topped out at 13,611 students Fall 2021, a 33% increase. This Fall (2022), the business school is expecting over 1,800 students with business as their declared major (an additional 750 students since 2018, 71% growth) and 45 faculty (an additional 17 faculty since 2018). In the past two years SUU has revamped its MBA program, which has nearly 500 students and added a Professional Sales and Masters in Business Analytics programs. This coming Fall the business school will launch a new Hospital Administration emphasis to the MBA. The current goal of the School of Business is to have 2,500 students by 2030 which will require adding approximately 20 - 22 additional faculty and staff. The charts included with this document summarize SUU's efficient use of space as business enrollments have grown.

2. Consistent with Institutional Role, Mission, and Master Plan

SUU's School of Business has become one of the fastest growing colleges at the University. Expansion space for the business school is the Administration's top building priority in order to accommodate the growth in enrollments and programming under the direction of Dean Mary Pearson, who was appointed to her role following construction of the current building. The Business School has a tremendous ability to address a key mission of SUU by providing 4 & 5 star jobs that will immediately impact economic development with the local and regional economies by providing industry demand jobs to our graduates. In 2021 business graduates had a 97% placement rate. The Dixie L. Leavitt School of Business is consistently updating curriculum and programs to meet the demand of our local, regional, and national workforce. Below is a summary of programs we have added in the last 5 years. We anticipate with the addition of the new business building we will be able to continue to grow these programs and add new programs that best fill the needs of our local and regional employers. In 2018, the School of Business added the Larry H. and Gail Miller Center for Entrepreneurship which has added over 25 new businesses in the last 3 years. The entrepreneurship program has five specific entrepreneurship courses and 16 members of an entrepreneurship leadership council who regularly mentor our student entrepreneurs. In 2019, the Masters in Business Analytics program was added due to a high demand for students with a quantitative skillset. This program has nearly 20 students enrolled with over 40 students seeking minors in Business Analytics. All students graduating in Business Analytics were employed prior to graduation with an average salary over \$65,000. In 2020, the Masters in Business Administration (MBA) program was revamped by changing all classes to a 7 week format, increasing the

faculty/student engagement in online courses, and offering 6 start dates throughout an academic year. Three emphases were added to the MBA program in finance, marketing, and leadership. This program grew from 85 students to nearly 500 students by Fall 2022. In 2020, the Event Planning minor was added to the Hotel Resort and Hospitality Management degree due to increased demand for students with event planning experience. In 2021, a minor in Professional Sales was started. Nearly 60% of college graduates work in a sales-oriented career after graduation with only 2% ever having had any sales training. This will train our graduates for success in their desired professions by providing them better foundational knowledge in sales topics. This minor is expected to be the most desired minor at Southern Utah University. In 2022, two additional emphases in the MBA program, Healthcare Administration and Business Analytics, were added. Both of these emphases are among the top 10 desired skillsets according to our professional marketing partner, Academic Partnerships. These programs will launch Fall 2022. An emphasis in Project Management will be added to the MBA program in 2023. This emphasis will provide an online graduate education option for students graduating in Project Management from the College of Southern Nevada. When the current business building was constructed in 2018, the business school had experienced fairly flat enrollment for 10 years prior, hovering around 750 students with 24 faculty and 3 full-time support staff. Programming for the current business building that began in 2016 was based upon slow enrollment growth, making the 31 total office spaces and gathering spaces seem adequate. With the addition of a new Dean and university president focused on growth the business school had outgrown its 42,000 square feet of faculty, classroom, centers, and gathering space within one year. By Fall 2021, two study rooms and one testing room in the business building had been converted to faculty offices and 8 offices in an adjoining building were housing business faculty. The remaining 5 study rooms in the current building are reserved for students from 8 a.m. to 8 p.m. every night with students now reserving classrooms to meet and work on projects. The business building regularly has employer/alumni events in the "wall street" area which also serves as a main corridor for students taking classes sometimes creating traffic jams during the prime hours of the day. The lack of space has been a topic of discussion since 2019 and ideas were generated in how to accommodate a growing student body and support faculty and staff. A possible 5,000 square foot addition to the current business building on the southwest corner was discussed, but soon after was determined to not be enough space to accommodate our students and additionally our 47 faculty and 10 staff currently employed in the business school. With the help of a supportive alumni who also serves as a member of the School of Business National Advisory Board, the business school was able to garner a significant pledge to support the construction of an expansion to the current business building. This expansion will be the catalyst for continued growth of our business programs and incredible outcomes for SUU students.

3. Fulfillment of a Critical Institutional Need

The Business Building West addition will provide space for SUU's fast-growing graduate programs, specifically the Masters in Business Administration (MBA), and new Masters in Business Analytics (MSBA) programs, the new Professional Sales Program, and a new Professional Development program designed to better prepare students for their life-long careers. In addition, this building will provide needed office and meeting space for faculty and staff who support these programs and collaboration - study spaces for students. The MBA program has grown exponentially in the last 5 years with a 573% enrollment growth

rate, topping out this Fall with nearly 500 students. Much of this growth can be attributed to the newly designed seven-week course format and excellent online instruction coupled with the marketing expertise of Academic Partnerships. The MBA currently has three emphases in Leadership, Finance, and Marketing with two additional emphases being added this year including Healthcare Administration, and Business Analytics. The School of Business anticipates significant demand in these new programs that will add to its growing number of graduate students. The MSBA program is starting its third year with 17 students enrolled Fall of 2022 in the graduate program and 40 students seeking a Business Analytics minor. To meet the current growth trajectory anticipated to be 400+ additional students in the next 10 years, it is anticipated that an additional 10 faculty will be needed to support the MBA and MSBA programs. The Professional Sales Program is beginning its second year and had over 50 students take the first Sales course last year. We expect this program to be one of the most popular minors at SUU. The program will need a Sales Center housed in the new building in order to be considered part of the National University Sales Alliance where students can obtain access to employers, competitions, and other sales related events. The School of Business boasts a 97% placement rate that comes from a robust and supportive employer network. SUU Career Services host bi-weekly career-ready events that are co-sponsored by alumni and employers. The proposed building will provide a gathering space to accommodate these career focused events that are supported by our growing student body and employer/alumni network. Each event is centered around better preparing students for lifelong personal and professional success. This building will incorporate areas where students are able to work in a collaborative business environment that better represents the workspaces they will be expected to thrive in after graduation. The Dixie L. Leavitt School of Business has had a 68% increase in students since 2018 and eagerly anticipates nearly 1,800 students Fall 2022. The 68% increase in students comprises 480 online students (66% of total growth) and 235 face to face/hybrid students (34% of total growth). One third of the student body in the business school are fully online students primarily in the MBA and MAcc programs, with 2/3 of the business student body being wholly face to face or hybrid. We currently have nearly 1,200 students on campus and about 600 online students. Based upon the current growth pattern and with the addition of the new online graduate programs, the School of Business is expected to grow to 2,500 students over the next 10 years. The distribution of students will change with approximately 44% of the student body being online and enrolled in graduate programs and 56% of students studying on campus (1,100 online, 1,400 F2F).