



# Clarkson Engineering & Applied Sciences Educational Complex (CEASEC)

Update for the Faculty Senate  
20 October 2025

Erik Backus, Academic Facilities & Construction Lead for the Solinsky Challenge  
William Jemison, Dean, Coulter School of Engineering & Applied Sciences

# Agenda

- Project Context
- Overall Schedule/Project Update
- Concept Design Status
- Phasing and Sequencing
- Concept Design Cost Model
- Committees & Communication





# Project Context



# Our Five Shared Priorities are guiding the design strategy

**STEM is  
Clarkson's  
Core**

**Enrollment  
and Student  
Experience**

**Financial  
Stability**

**Work Together with Clear Communications**

**Solinsky Challenge, Alumni, and Donor Engagement  
Accelerates Our STEM Mission into the Future**





# Overall Schedule/Project Update



# Consultant Workplan - Status

7/17/2025

Clarkson University

## PROGRAM / CONCEPT SCHEDULE

Project Schedule	0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
			7-Jul	14-Jul	21-Jul	28-Jul	4-Aug	11-Aug	18-Aug	25-Aug	1-Sep	8-Sep	15-Sep	22-Sep	29-Sep	6-Oct	13-Oct	20-Oct	27-Oct	3-Nov
CAMP / Rowley / Expansion					GOALS			PROGRAM			PROGRAM		ROOM DATA							
					ANALYSIS						CONCEPT		CONCEPT							
							2			3			4							
Cora Bayard Science Center					GOALS			PROGRAM			PROGRAM		PROGRAM							
					ANALYSIS								BLOCKING							

## STEERING COMMITTEE

## BUILDING COMMITTEE

## DESIGN TEAM VIDEO UPDATE

## DEAN(S) / ERIK SESSION

## BUILDING | FACILITIES | OPERATIONS FOCUS GROUP

*How building operates (pros + cons) science ctr/CAMP/Rowley/General Facilities*

## UNIVERSITY | CAMPUS IMAGE + VALUES FOCUS GROUP

*What does it look like, how to student see it?*

## FINANCIAL | RESOURCE SUPPORT FOCUS GROUP

*Funding Sources*

## FACULTY + STAFF SUPPORT FOCUS GROUP

*What do faculty need beyond classrooms?*

## STUDENT SUPPORT + EXPERIENCE FOCUS GROUP

*Program*

## ACADEMIC MISSION FOCUS GROUP

*Teaching Spaces | Research Utilization*

Approval for detailed design

Deliverables for approval:

1. Solinsky Center
  - \*Program ✓
  - \*Blocking/Stacking ✓
  - \*Concept (plan, site) ✓
  - \*Character Renders ✓
2. CAMP|Rowley Renovation
  - \*Program ✓
  - \*Blocking Diagrams ✓
3. Science Center
  - \*Program
  - \*Blocking Diagrams

In-person meeting

Interim Zoom



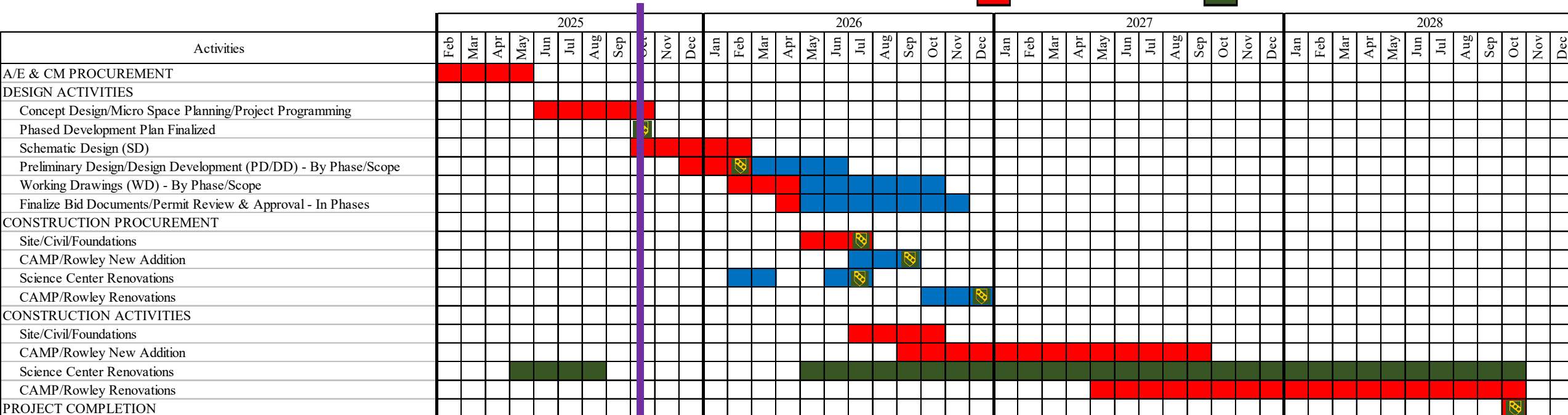


# Overall Project Master Schedule

## Current Milestones

- October 2025 – Conceptual Design for Expansion Complete; Approval to go to detailed design (unlock \$2M from Solinsky)
- February 2026 – Expansion Schematic Design Complete – GMP Proposal; Approval to enter into a construction contract (unlock \$11M from Solinsky)
- May 2026 – Detailed Design Complete – Phase 1
- Summer 2026 – Construction to Begin – Phase 1

Legend: Decision Points Other Design/Procurement Activities Critical Path Activities Other Construction Activities



\* Contingent upon Available Funding, Meeting Solinsky Challenge Milestones, and Board of Trustees Approval

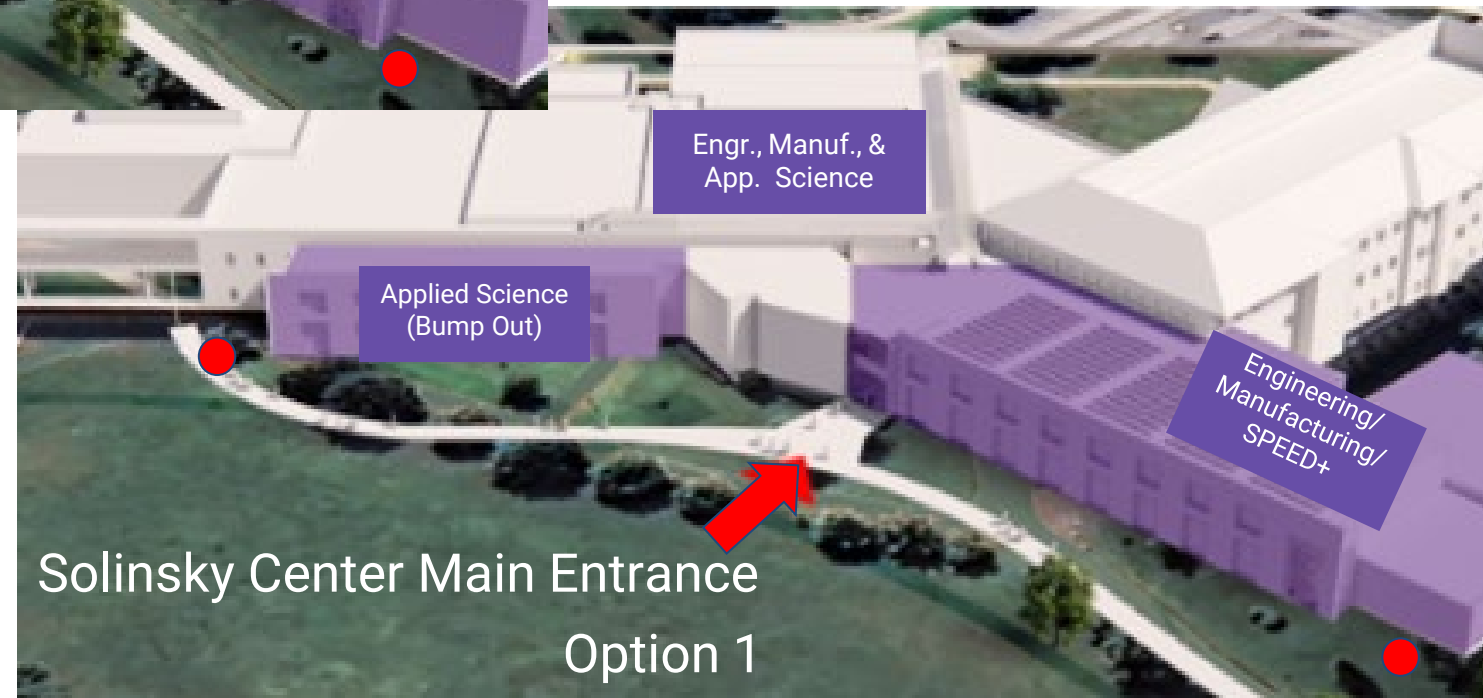


# Concept Design Review

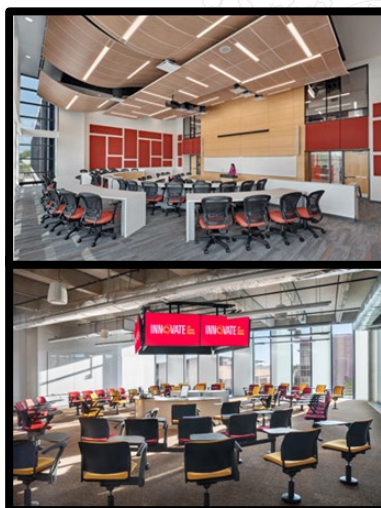




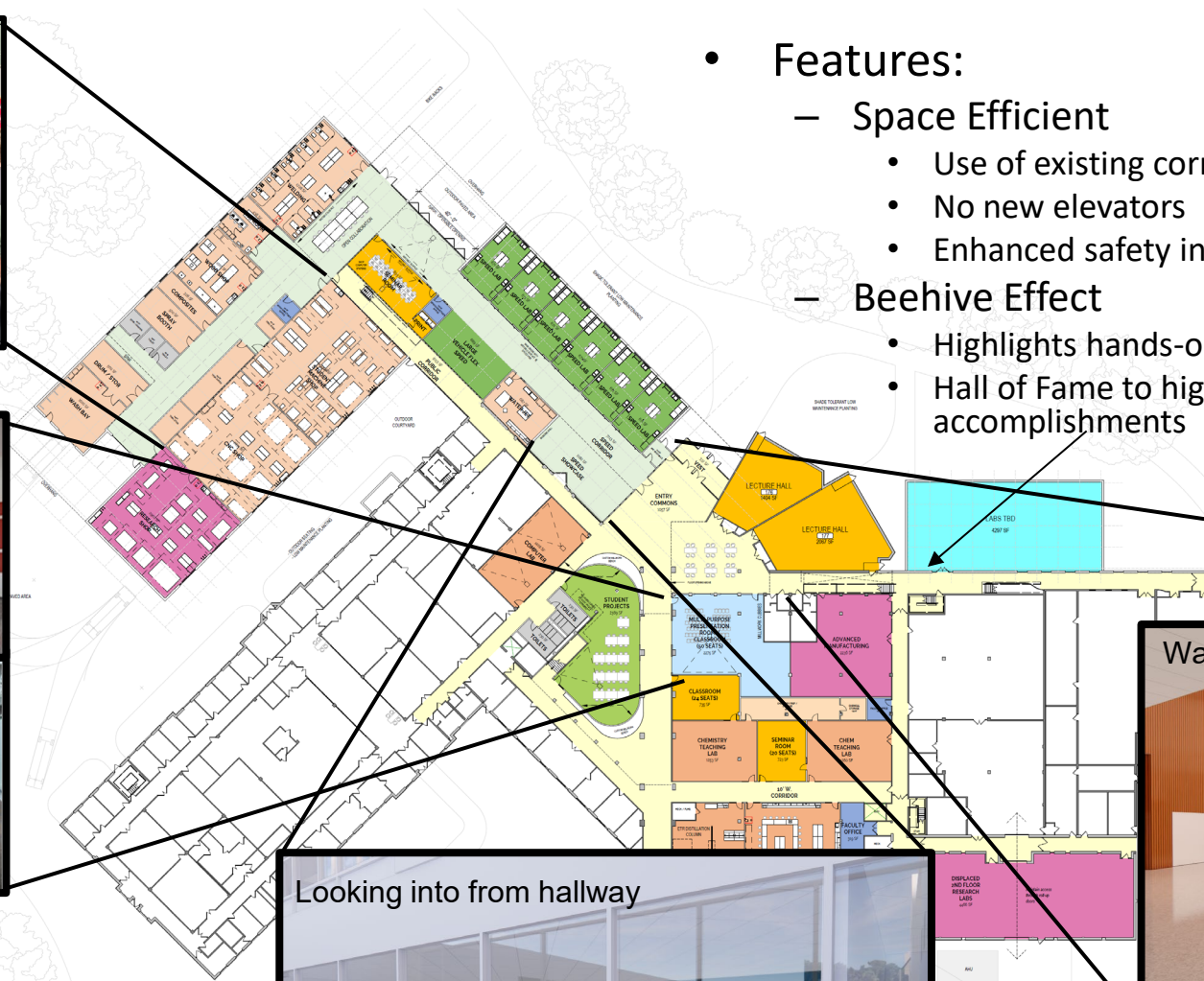
# Design Option Overview



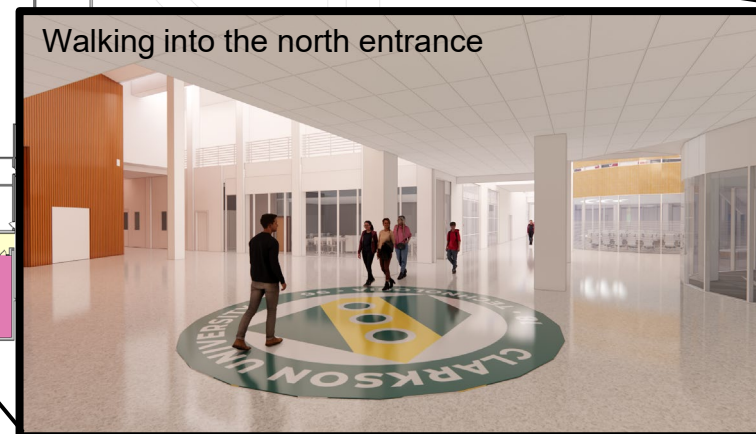
# Concept Option – First Floor



Leverage Atrium fill-in to gain usable space.



- Features:
  - Space Efficient
    - Use of existing corridors; atrium fill-in
    - No new elevators
    - Enhanced safety in shops and work areas
  - Beehive Effect
    - Highlights hands-on teaching and learning
    - Hall of Fame to highlight Clarkson alumni accomplishments

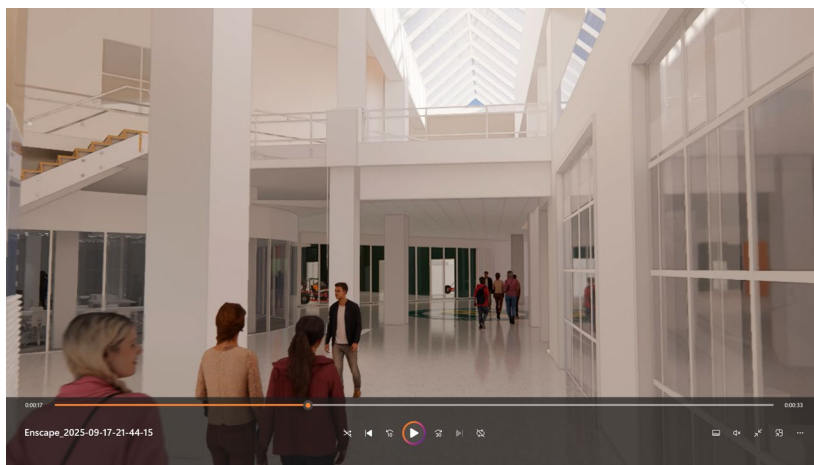
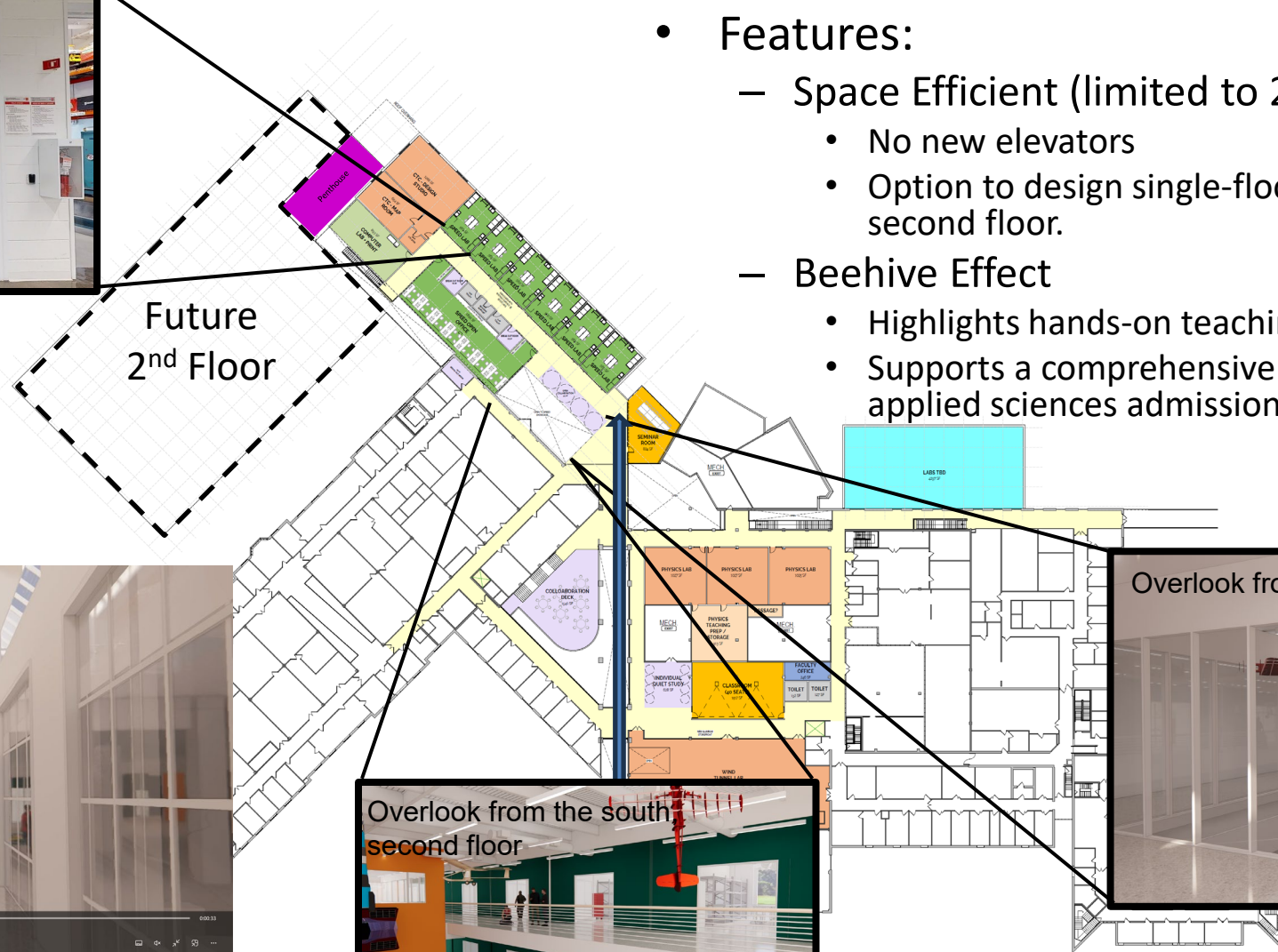




# Concept Option – Second Floor



- Features:
  - Space Efficient (limited to 2 floors)
    - No new elevators
    - Option to design single-floor section for a future second floor.
  - Beehive Effect
    - Highlights hands-on teaching and learning
    - Supports a comprehensive engineering and applied sciences admissions tour



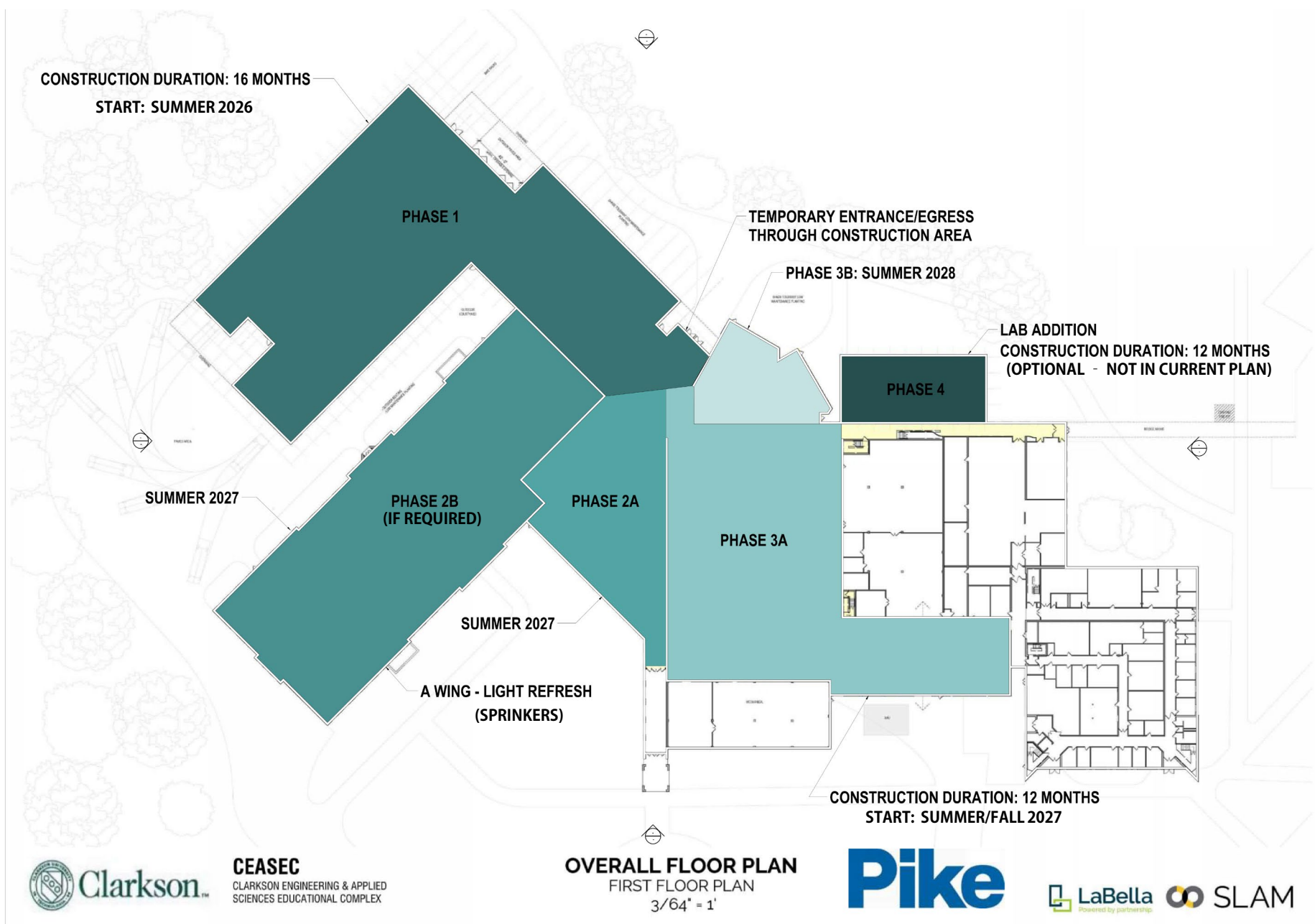
**OVERALL FLOOR PLAN**  
SECOND FLOOR PLAN  
3/64" = 1'



# Phasing and Sequencing



# Project Phasing CAMP/Rowley/Solinsky Center





# Construction Cost Model

# Current Expansion Construction Costs & Pathway

- **Solinsky Agreement:**
  - 48,000 sq. ft. expansion + 59,000 sq. ft. renovation = 107,000 sq. ft. total (west sector)
  - \$48M total project cost
- **Project Management Goals:**
  - \$34M construction cost to allow for design, project management, FFE, contingencies, etc.
- **Baseline Conceptual Design (as of 10/10/25):**
  - 40,000 sq. ft. expansion + 60,000 sq. ft. renovation = 100,000 sq. ft. total
  - Baseline Conceptual Design Cost Estimates currently 16% higher than goal
  - Detailed design enables further scope clarity to maintain project within budget (drives need for active cost management and donor expectation management - in progress)

Clarkson Engineering and Applied Sci. Educational Complex  
Target Construction Cost Model

		Target Budget	
<u><b>SPEED+ Addition</b></u>		<u>\$/sqft</u>	Total
	SubTotal	\$550.00	\$22,000,000
<u><b>Renovation</b></u>			
	SubTotal	\$200.00	\$12,000,000
	Total	\$340.00	\$34,000,000



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**Pike**

	Current Cost Model	
	<u>\$/sqft</u>	Total
SubTotal	\$570.54	\$22,595,000
	4%	3%
SubTotal	\$265.01	\$16,722,000
	33%	39%
Total	\$382.83	\$39,317,000

13%

16%





# Connection to the Clarkson Community

Committees Structure

# CEASEC Steering Committee

Operational leadership for the project

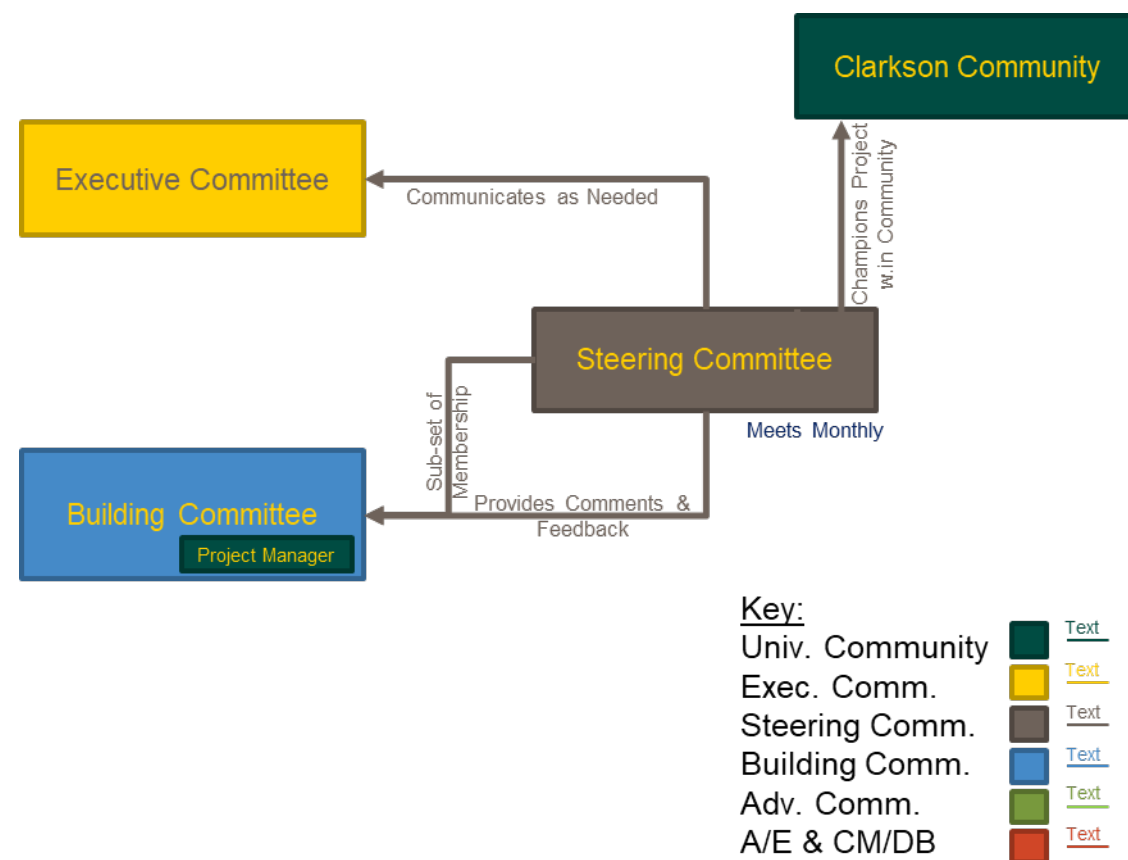
- Meet periodically
- Review and give comment
- Sounding board and advisement group for the project

Co-chaired by the Director CEM and Director of Facilities & Construction

- responsible for sharing the recommendations of the steering committee that require approval to the Executive Committee

Members will serve as project ambassadors and key conduits of communication

Meet on a monthly basis throughout the duration of the project





# CEASEC Steering Committee Membership (as of 15 Sep)

Position	Designee	Title	Email
Designated Project Manager	TBD	Temporary Capital Design & Construction Project Manager	
Learning Resources Committee, Faculty Senate Member	Krista Larock-We	Marketing Instructor, David D. Reh School of Business; Chair LRC	klarock@clarkson.edu
Vice President (VP) of Enrollment and Student Advancement Designee	Cathy McNamara	Associate Vice President of Academic Support & Student Engagement	cmcnamar@clarkson.edu
Associate Vice President of Academic Affairs & Student Achievement Designee	Amanda Pickering	Associate Vice President of Academic Affairs & Student Achievement	apickeri@clarkson.edu
Dean of the Graduate School/VP for Research & Technology OR Director of CAMP Designee	Devon Shipp	Director of CAMP	dshipp@clarkson.edu
Director the Institute for a Sustainable Environment Designee	Susan Powers	Director the Institute for a Sustainable Environment	spowers@clarkson.edu
VP of Diversity, Equity, Inclusion & Access Designee	Jennifer Ball	Vice President for Diversity, Equity, Inclusion, and Access Professor ACT	jball@clarkson.edu
Director of Academic Technology & Support Designee	Laura Perry	Title VI, IX, ADA/504 Coordinator Director of Academic Technology & Support	lperry@clarkson.edu
Environmental Health & Safety Manager / Radiation Safety Officer / Emergency Response Manager	Erica Arnold	Environmental Health & Safety Manager / Radiation Safety Officer / Emergency Response Manager	earnold@clarkson.edu
Maintenance and/or custodial staff for the buildings being effected Designee	Jeffery Nugent	Senior Custodian	jnugent@clarkson.edu
VP of Financial Affairs Designee	Regis Quirin	Director of Budget & Planning	rquirin@clarkson.edu
Undergraduate student designee (CUSA Senate)	Ryan Lynch	Civil Engineering Student	lynchrt@clarkson.edu
Graduate student designee (GSA)	Gladys Pantoja	PhD Candidate	pantojgg@clarkson.edu
Development and Alumni Relations	Erin Londrville	Director of Donor Engagement, Stewardship & Foundation Relations	elondrav@clarkson.edu

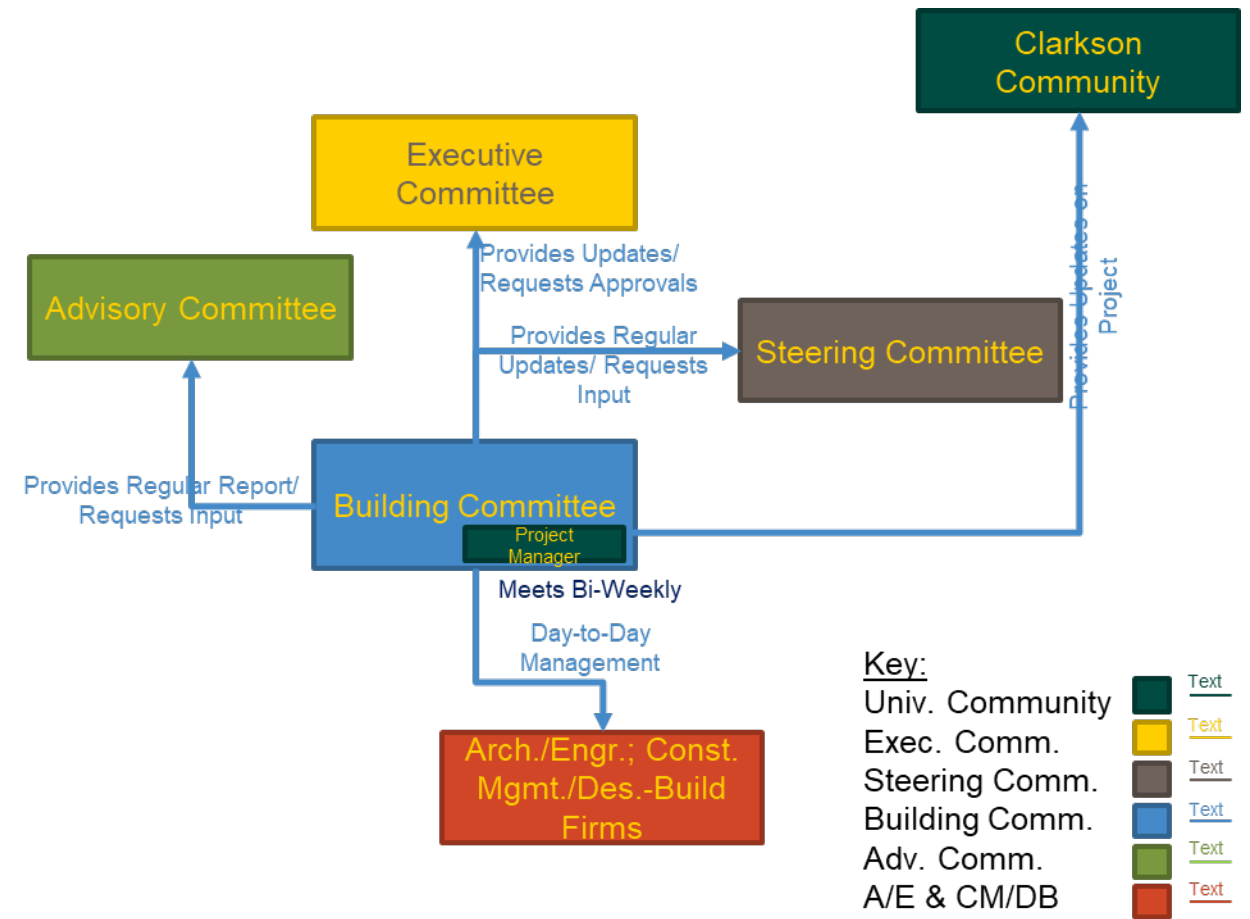
Position	Designee	Title	Email
Associate Dean of the Lewis School of Health & Life Sciences	Tom Langen	Professor of Biology / Associate Dean Lewis School of Health & Life Sciences / Acting Chair of Physical Therapy	tlangen@clarkson.edu
Associate Dean for the Coulter School of Engineering & Applied Science	Doug Bohl	Professor / Associate Dean for Academic Programs	dbohl@clarkson.edu
Chemical & Bio-molecular Engineering	Simona Liguori	Assistant Professor	sliguori@clarkson.edu
Civil & Environmental Engineering	Robert Thomas	Associate Professor	rthomas@clarkson.edu
Electrical & Computer Engineering	Masudul Imtiaz	Assistant Professor	mimtiaz@clarkson.edu
Mechanical & Aerospace Engineering	Arthur Michalek	Associate Professor	ajmichal@clarkson.edu
Biology	Stefanie Kring	Associate Professor & Chair, Department of Biology	skring@clarkson.edu
Chemistry & Biochemistry	Silvana Andreescu	Professor and Chair, Department of Chemistry & Biochemistry	eandrees@clarkson.edu
Computer Science	Chuck Thorpe	Professor, Computer Science	cthorge@clarkson.edu
Mathematics	James Greene	Associate Professor	jgreene@clarkson.edu
Psychology	Lisa Legault	Associate Professor & Chair, Psychology	llegault@clarkson.edu
Physics	Jan Scrimgeour	Associate Professor	jscrimge@clarkson.edu

- 26 Member Committee
- Every affected department has a representative
- Over 40 faculty, staff, & students directly engaged throughout the process
- Alumni engagement (AALB & reunion)

<https://docs.google.com/spreadsheets/d/10R7dAyhBe9-aU9PhcfQM2DidQjLwoHCPjI0Z60CjYVA/edit?usp=sharing>

# CEASEC Building Committee

- Project champions at the functional level throughout the project.
- Aid the designated project manager, the selected A/E firm, and the Construction Manager in making the applicable recommendations to the steering and executive committees.
- This group will meet typically bi-weekly or more often as needed to aid the project manager.



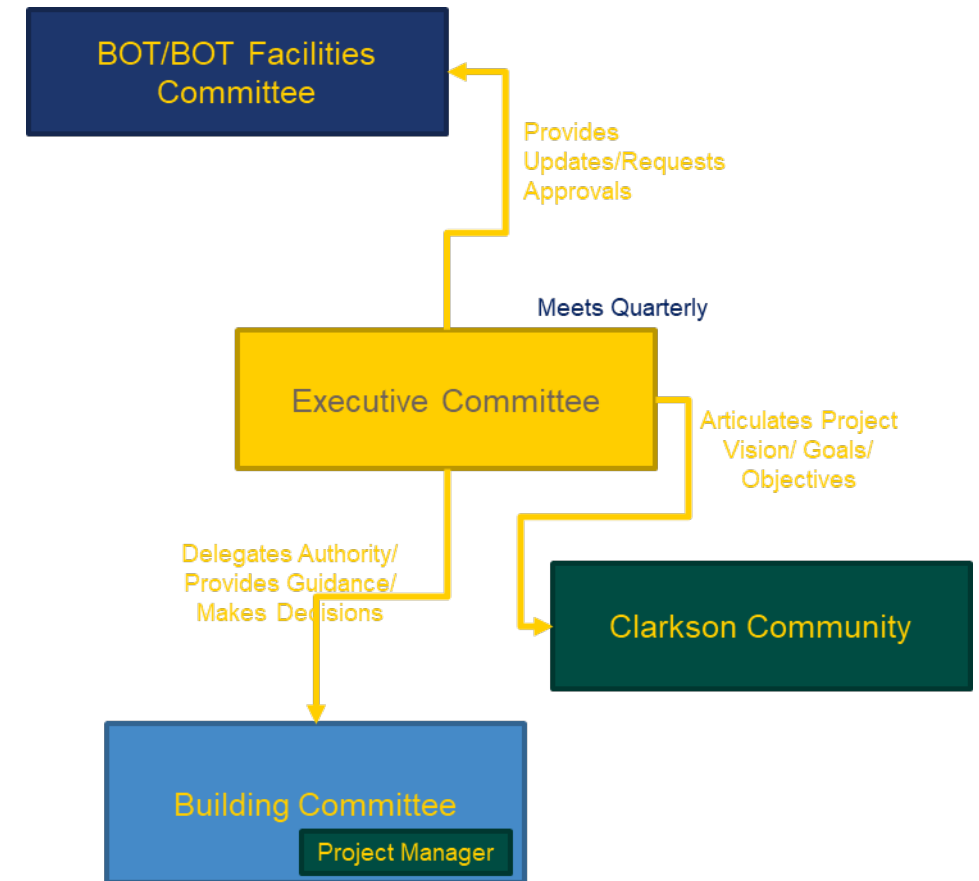


# CEASEC Building Committee Membership (as of 15 Sep)

Position	Designee	Title
Department designee from one of the engineering departments (ChBE, CEE, ECE, or MAE), ideally the same as the designee for the steering committee	Arthur Michalek	Associate Professor
Department designee one of the applied science/math/computational science departments (Chem, CS, Math, or Phy) , ideally the same as the designee for the steering committee	Silvana Andreescu	Professor and Chair, Department of Chemistry & Biochemistry
Department designee one of the health science departments (Bio or Psy), ideally the same as the designee for the steering committee	Stefanie Kring	Associate Professor & Chair, Biology
Designated Project Manager for the capital project	TBD	Temporary Capital Design & Construction Project Manager
A representative from Student Affairs active in academic support activities	Cathy McNamara	Associate Vice President of Academic Support & Student Engagement
The full time project manager in Facilities	John Lawrence	Project Manager
Associate Dean for the Solinsky Challenge/Director of Construction Engineering Management	Erik Backus	Prof. of Practice/ Director, Construction Engineering Management
Dean, Coulter School of Engineering and Applied Sciences (ex officio)	William Jemison	Dean, Coulter School of Engineering and Applied Sciences
Dean, Lewis School of Health Science (ex officio)	Len Johns	Dean, Lewis School of Health Science
VP of Financial Affairs (ex officio)	Jeff Ives	VP of Financial Affairs



Position	Designee	Title	Email
Project Catalyst, Exec. Committee Co-Chair	William Jemison	Dean, Coulter School of Engineering and Applied Sciences	wjemison@cla rkson.edu
Exec. Committee Member	Len Johns	Dean, Lewis School of Health & Life Science	ljohns@clarks on.edu
Exec. Committee Member	Scott Geidel	Dir. of Facilities & Construction (acting)	sgeidel@clark son.edu
Exec. Committee Co-Chair	Jeffrey Ives	VP of Financial Affairs	jives@clarkso n.edu
Exec. Committee Member	Erik Backus	AD for the Solinsky Challenge	ebackus@clar kson.edu
Exec. Committee Member	Kathleen Cline	Board of Trustees Representative	kathicline.cu@ gmail.com
Ex-Officio Exec. Committee Member	Michelle Larson	President	mlarson@clar kson.edu
Exec. Committee Advisor	Debra Drescher	VP of Legal Affairs & Risk Management	ddresche@clar kson.edu
Exec. Committee Advisor	Joshua Fiske	VP for Information Technology & Libraries	jfiske@clarkso n.edu
Exec. Committee Advisor	Steve Smalling	Assoc. VP of Development	sssmalli@clar kson.edu





# Communication





- <https://sites.clarkson.edu/facilities/ceasec-updates-info/>

## Clarkson's Engineering & Applied Sciences Educational Complex (CEASEC) Updates and Information

### CEASEC Update – Fall 2025

Coming soon. Join us for the upcoming CEASEC Town Hall Sessions. With the Fall Semester in full swing and a lot of work happening over the summer, the Clarkson Engineering and Applied Sciences Educational Complex (CEASEC) project team is eager to give students, faculty, and staff an update on the project. For that reason, Clarkson Community members are cordially invited to join Deans Bill Jemison and Len Johns as well as the Academic Facilities Lead for the Solinsky Challenge, Erik Backus, at one of two University-wide Townhall sessions (please note the new time for the first session to allow for attendance at the New Horizons lecture previous to that session):

September 16th (Tuesday) from 4 to 5:30 pm in the Barben Room, Cheel Campus Center \*\*\*\*NEW TIME\*\*\*

AND/OR

September 22nd (Monday) from noon to 1:30 pm in the Multi-purpose Rooms (MPRs), Student Center

### CEASEC Input Form

At this link you will find a simple survey/form for you to provide input into the [Clarkson Engineering and Applied Sciences Educational Complex Project](#). To give input, you will need to be logged in using your Clarkson University credentials.

### CEASEC Expansion & Renovation Concept Design Team Selection

The Clarkson Engineering & Applied Science Educational Complex (CEASEC) project team is proud to announce that we have completed the selection process for the design and construction service firm that will be helping Clarkson craft a concept design and plan for the development of this exciting project. LaBella Associates (<https://labellapc.com/>) who is partnering with S/L/A/M Collaborative (<https://slamcoll.com/>) and The Pike Companies (<https://pikecs.com/>), was ranked as the top/best qualified team.





## Other Communication Mechanisms

- Semi-Annual Updates – University-wide updates
- Open Discussion Sessions – As needed/ad-hoc as well as before/after the semi-annual updates
- Periodic Reports – Bi-monthly report for internal and external audiences
- Targeted Communications – as needed/ad-hoc
- Drop-box Survey for input – Open 24/7 – On the Website:

*“For the research spaces being built, it is important to consider reliable HVAC, as many experiments rely on controlled environmental conditions, as well as emergency power generators to prevent loss of expensive consumables and machinery.”*

- Clarkson Faculty Member, 20 May 2025



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