BENSON POLYTECHNIC H.S.
SCHEMATIC DESIGN OPEN HOUSE / JUNE 6, 2019

PROJECT TEAM

PORTLAND PUBLIC SCHOOLS

Brian Oylear, Project Director
Jen Sohm, Project Design Manager
Jamie Hurd, Project Manager
Mark Kline, Construction Manager

ANDERSEN CONSTRUCTION

Brian Price, Project Executive
Ben Gengler, Senior Project Manager
Brad Barcroft, Senior Project Manager
Erin Storlie, Preconstruction Manager
Emily Hager, Senior Estimator
Brian Anthony, Senior Superintendent
Canaan Chapman, Diversity Outreach
Sam Stadler, Design Manager

BASSETTI ARCHITECTS

Caroline Lemay, Principal in Charge
Lorne McConachie, Design Principal
Joe Echeverri, Project Manager
Patrick McLaughlin, Project Architect
Holly Grosvenor, Architect
Aydin Erhan, Architect
Chris Hope, Architect

DESIGN TEAM

Historic:	Architectural Resources Group
Structural:	KPFF
Mechanical:	PAE
Electrical:	Reyes Engineering
AV:	Greenbusch
Acoustics:	Greenbusch
Theater:	PLA
Food Service:	JBK
Landscape:	Mayer/Reed
Civil:	BHE Group/Mazzetti

DESIGN ADVISORY GROUP (DAG)

CO-CHAIRS

Glen Pak, DAG Co-Chair
Kaily Malynowski, Student DAG Co-Chair

MEMBERS:

Curtis Wilson Jr., Principal
Paul Anthony, Board of Education
Roi San Anderson
Brian Gerber
Amy Henry
Tammy Hite
Luke Hotchkiss
Dave Ketah
Bryan Smith
Amy Sutton
Christina Thompson
Todd Williams
Dale Bajema
Janice Choy-Weber
Kevin Clark
Brent Dahl
Angel Dawson
Jeanette DeCastro
Wendy Farber
Marlene Gillis
Reuben Gilmore
Susan Hargrave
Rob Johns
Peter Koonce
Heather Leek
Elizabeth O'Malley
Matt Pellico
Richard (Dick) Spies
Brian Unflat
Drew Amrine
Immacula Bixby
Alan Campos
Sophia Chin
Hazel Curley O'Malley
William Horner
Griffin Jackson
Henry Kirkpatrick
James Littrell
Kimanh Nguyen
Adrian Sanchez-Hernandez
Henry Senters
Arlette Torres
Daviar Wexler

STAKEHOLDER ENGAGEMENT

OVERVIEW

+ Master Planning Committee (MPC)
  2016 - 2018: 16 Meetings + School Tours
+ Master Plan Design Workshop
+ Master Plan Open House
+ Design Advisory Group (DAG) established 2018: 6 Meetings + School Tours
+ PPS Operations Departments
+ PPS Office of Teaching and Learning
+ CTE & Core Academic Department Teacher Representatives
+ All Staff Meeting updates
+ District Benson Tech Steering Committee: 9 Meetings
+ Tech Show: 2017, 2018 & 2019

INDUSTRY OUTREACH

TOURS/INTERVIEWS

+ OHSU SIM Center Tour
+ Skanska Interview
+ Jim Piro Interview
+ CTEC Tour
+ Columbia Helicopter Tour
+ Oregon Institute of Technology Tour
+ MHCC Applied Technology + Mechatronics Tour
+ PSU Maseeh College of Engineering & Computer Science Tour
+ Nike Air Manufacturing Meeting
+ DIRTT System tour of GRIT Design/Build & Wacom Technology Corporation offices
+ Sabin-Schellenberg Professional Technical Center Tour
+ PPC Sylvania Automotive and Manufacturing Tour
+ Clark College

ECO-CHARRETTE

AGENDA

+ Stormwater Management
+ Learning Gardens
+ Outdoor Classrooms
+ Light Pollution
+ Biophilic Design
+ Material Environmental Attributes
+ Envelope Performance
+ Daylight Apertures
+ Efficient Windows
+ Air Infiltration Control
+ Water Management
+ Acoustic Performance
+ Embodied Energy / LCC / LCA
+ Resource Efficiency
+ Materials Selection and Performance Criteria
+ Furniture and Equipment
+ Indoor Quality Strategies: Thermal, Visual, Acoustic
+ Operations and Maintenance
+ Metrics

DAG TOURS

TOURS

+ Grant HS Modernization
+ Roosevelt HS Modernization
+ Franklin HS Modernization
+ CTEC, Salem
+ Portland State University

KEY FEEDBACK

+ Durability of finishes in all recent PPS projects a concern
+ Quantity of storage a general concern
+ Transparency at windows - careful consideration
+ How can Benson keep its character in the interiors and find that balance of ‘glimpses into past’
+ Important to Benson community to stay connected to past

PROJECT OVERVIEW /

PROJECT OVERVIEW

Main Building construction, circa. 1916

STUDENT DESIGN CAPACITY

1,700	Benson Polytechnic HS
Approx. 100	Pioneer, PISA, Virtual Scholars
250 - 400	Alliance, DART/Clinton

PROPOSED BUILDING AREA

+/- 368,000 SF	Benson Polytechnic HS
42,000 - 75,000 SF	MPG Building

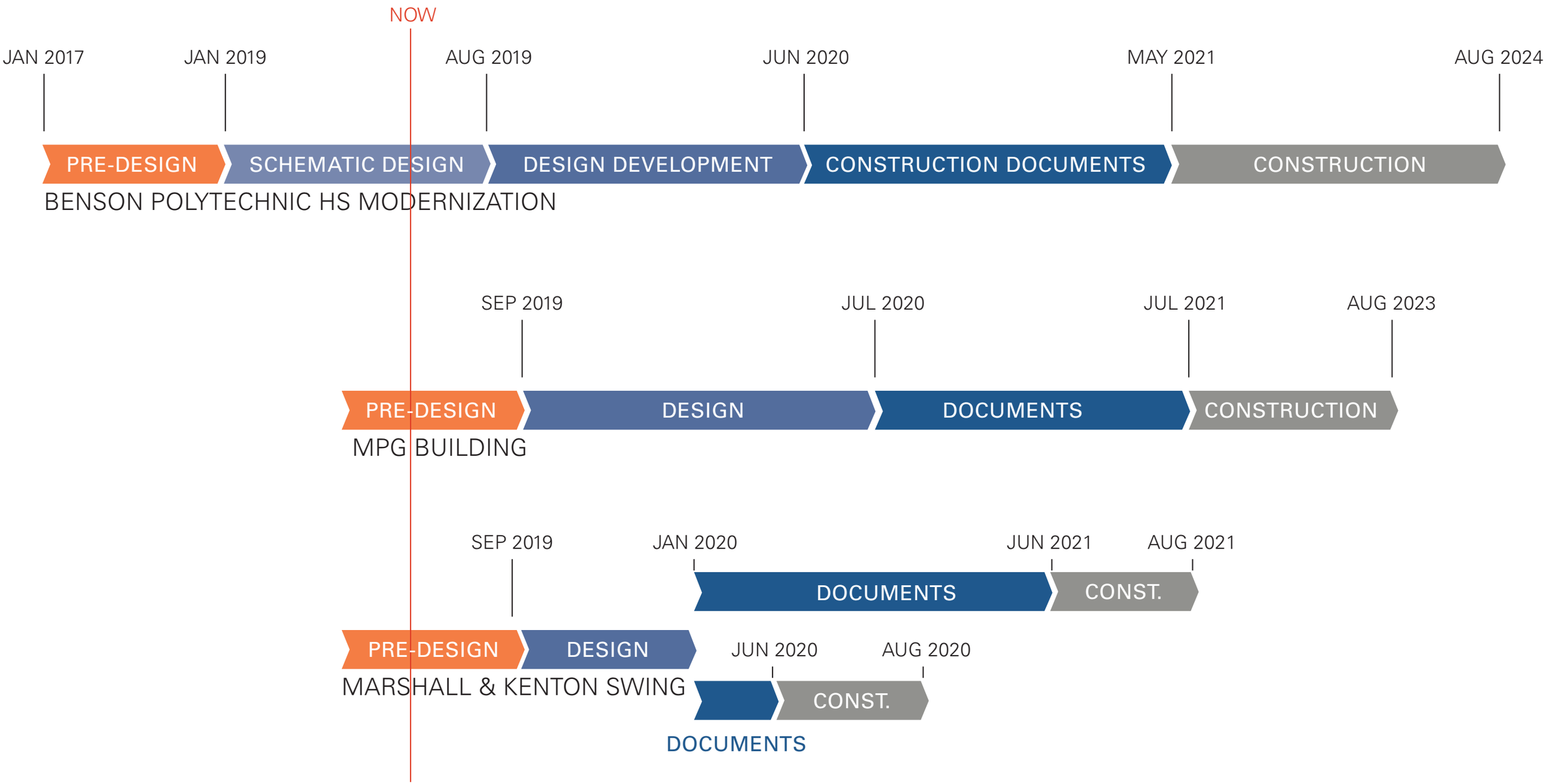
PROJECT BUDGET (RANGE)

$330 - $357 Million

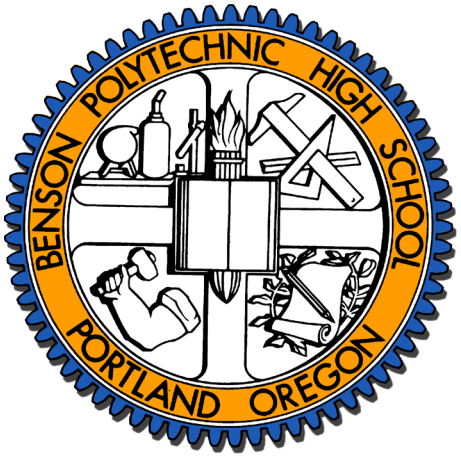
KEY PROJECT CHALLENGES

+ Portland Landmark and NRHP eligible
+ Constrained urban site
+ Extensive health and safety upgrades required, incuding seismic upgrade of unreinforced masonry (URM) buildings and providing universal ADA access throughout campus
+ Multiple projects - Marshall and Kenton swing sites and MPG Building

PROCESS SCHEDULE

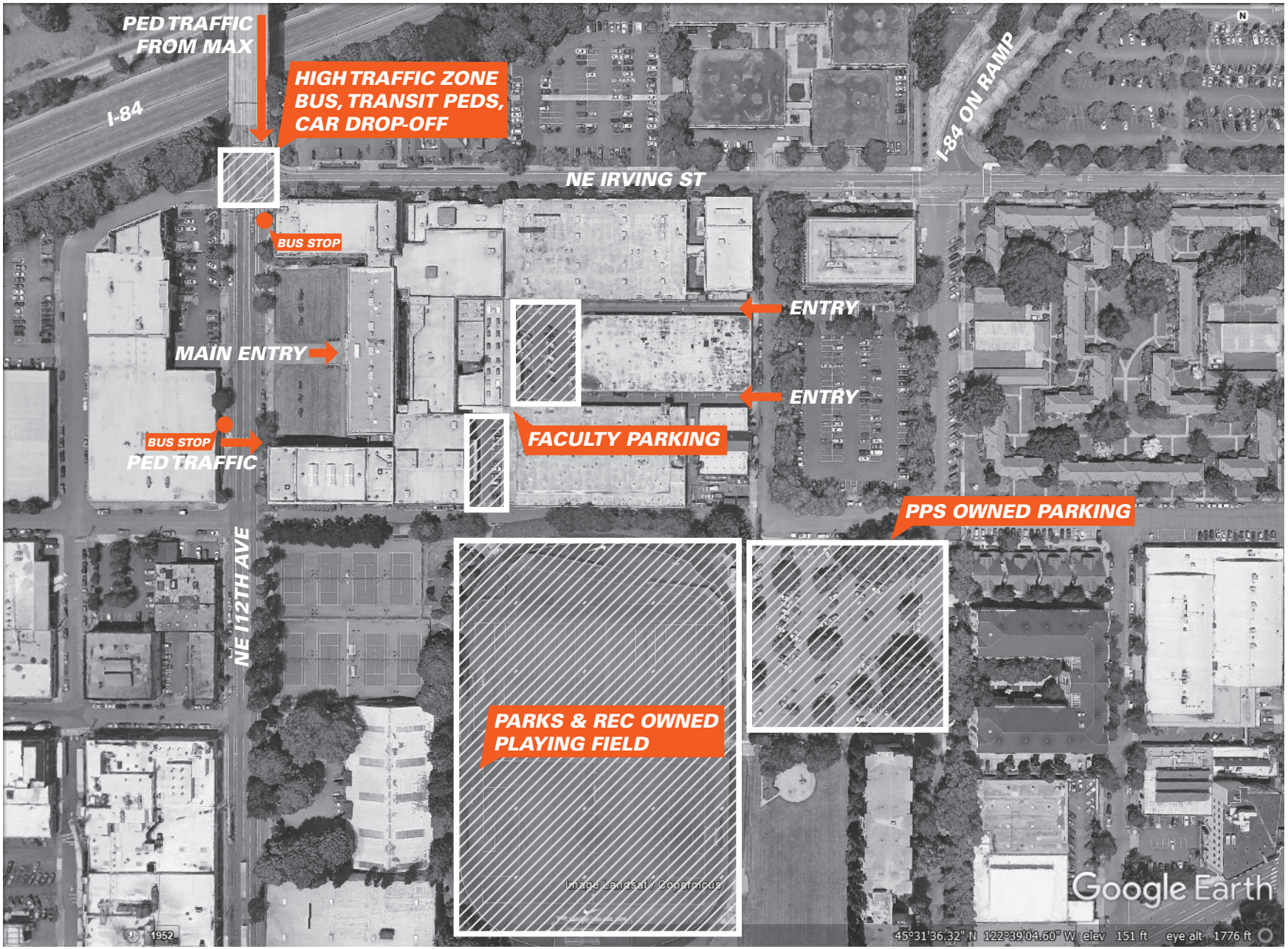


GUIDING PRINCIPLES

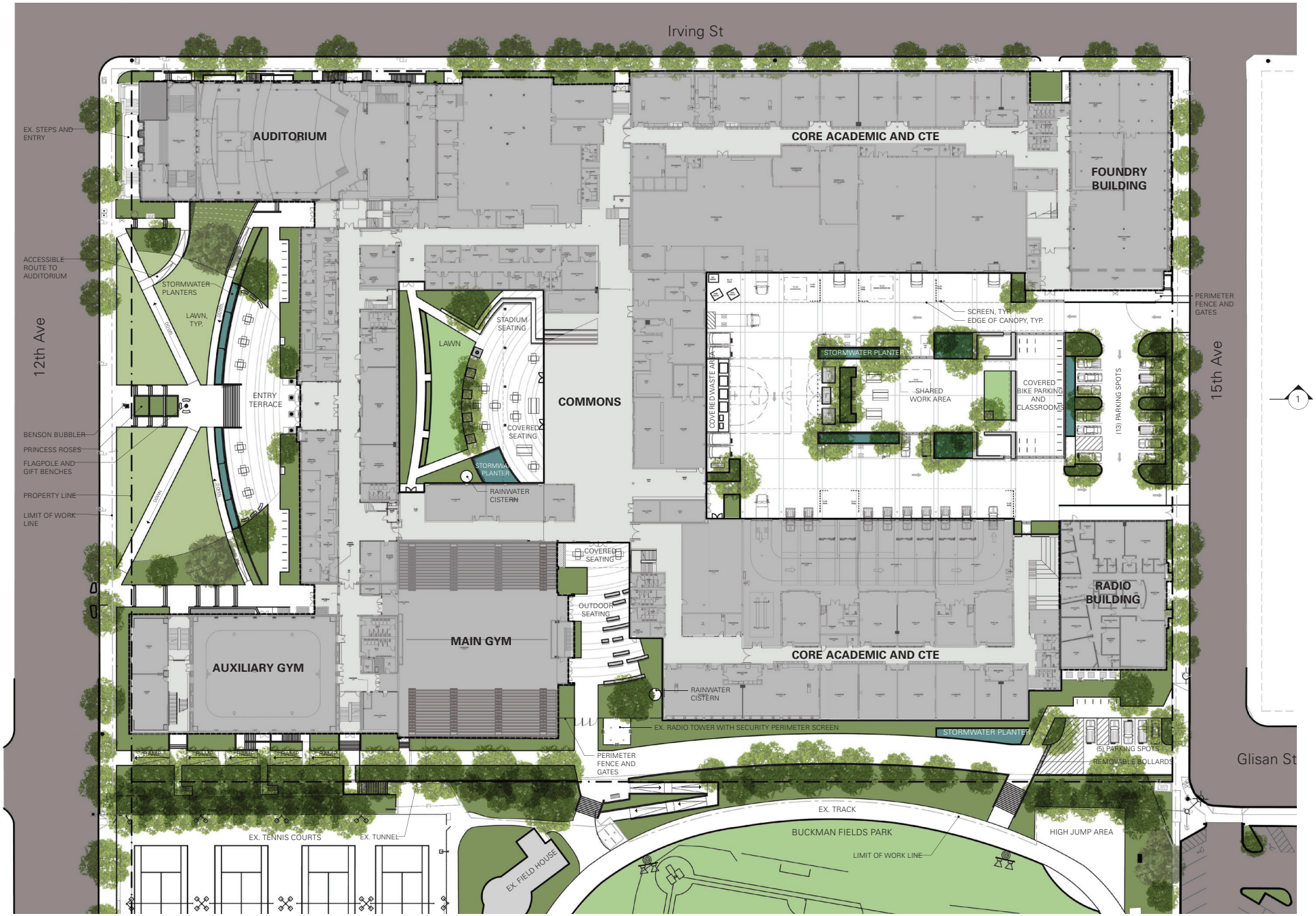


1. **Honor the unique history and culture of Benson Polytechnic High School.**
2. Engage with the local business, government, and post-secondary partners to create strong connections between education and industry.
3. Provide hands-on, project-based learning opportunities that are imbued with rigor and relevancy.
4. **Provide agile, flexible, and adaptable facilities that support changing educational needs.**
5. Provide learning environments that inspire creativity and collaboration among students.
6. Support a comprehensive educational experience for students.
7. Celebrate diversity and provide a sense of inclusion and belonging among students and families.
8. **Position Benson Polytechnic as a national model for STEAM and Career Technical Education (CTE).**

PROJECT OVERVIEW / EXISTING SITE CONDITIONS



PROJECT OVERVIEW / SITE



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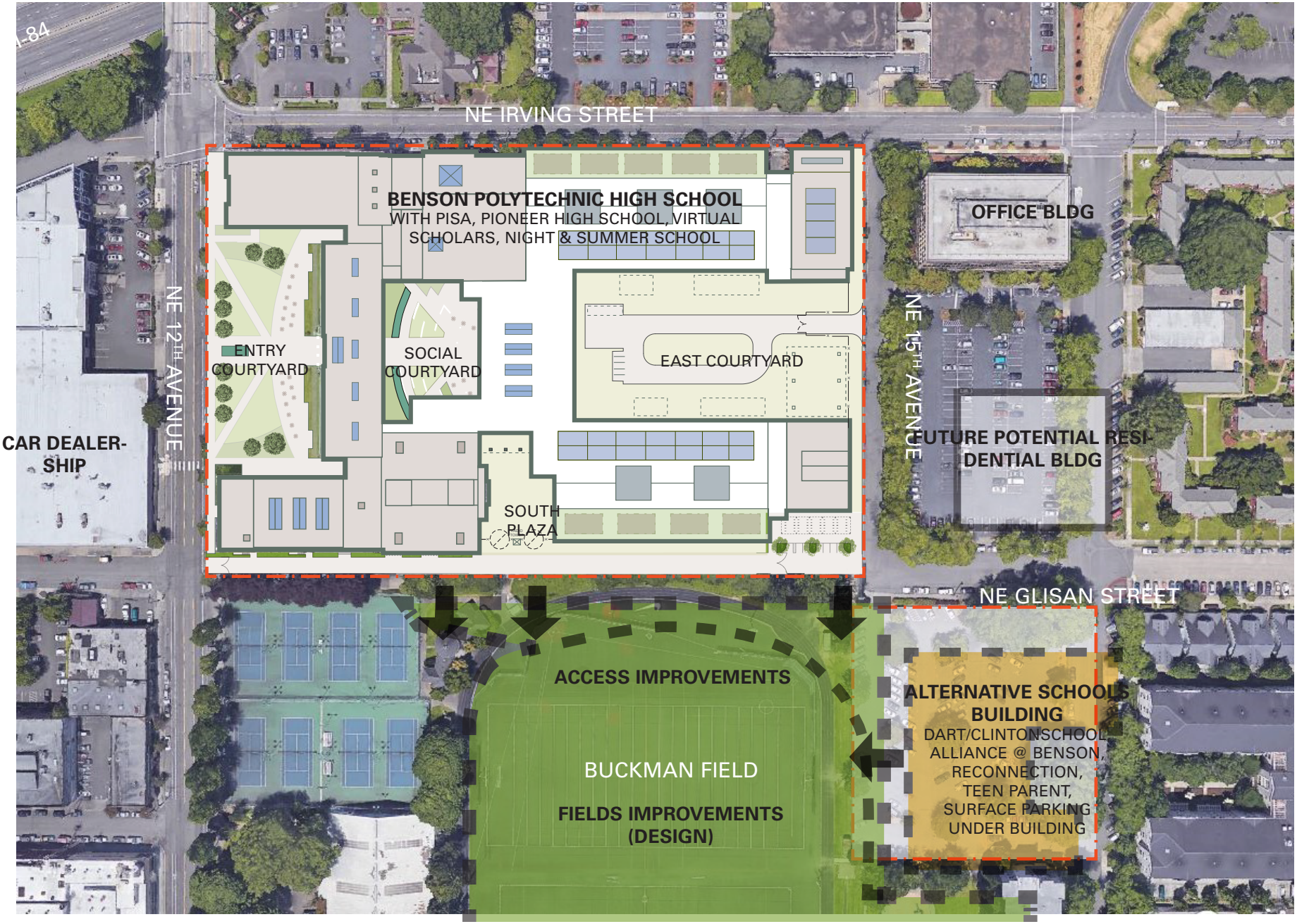
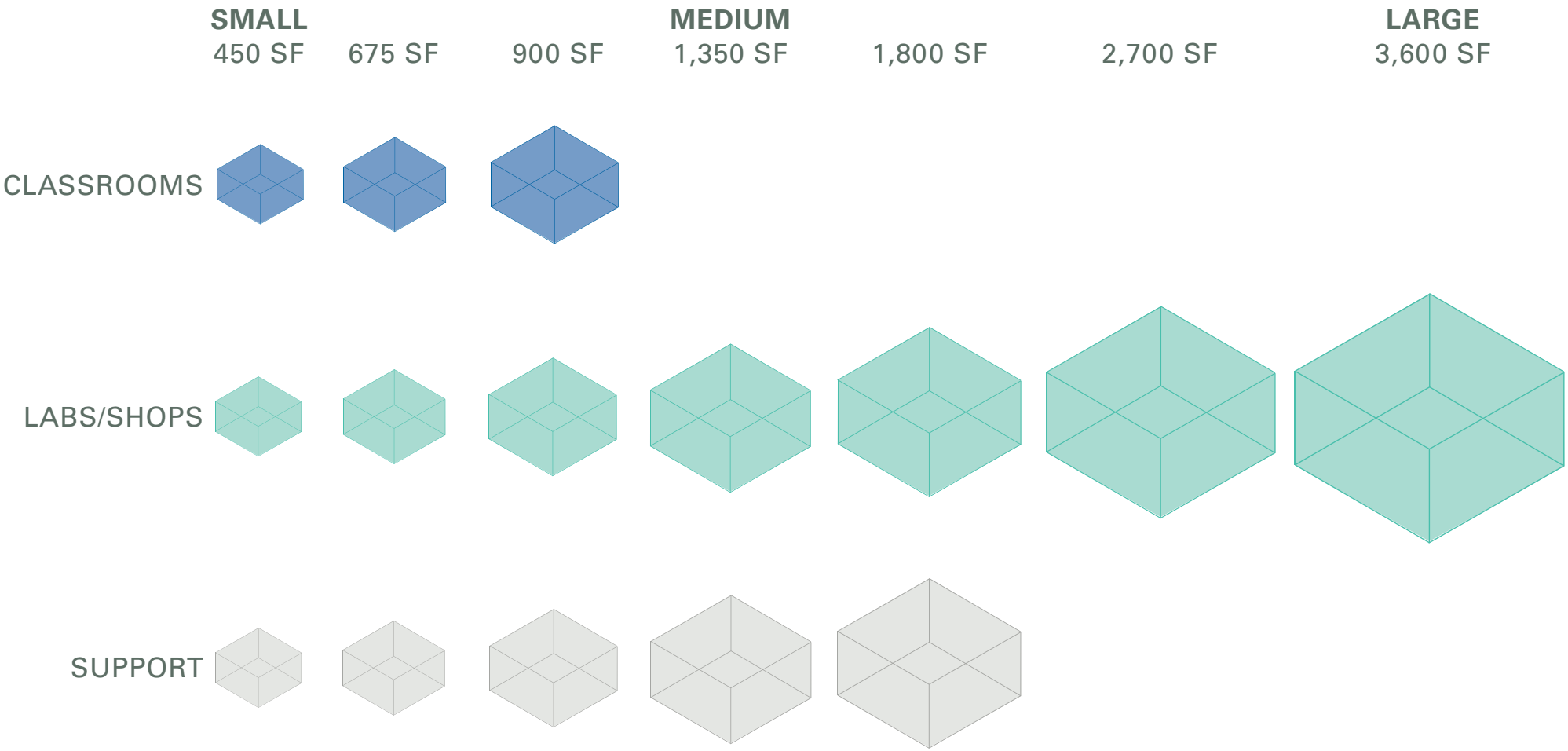
CURRENT SITE PLAN / BASED ON BOE RESOLUTION MARCH 19, 2019



STEERING COMMITTEE ED SPEC INPUT

Utilize space efficiently and effectively to manage constraints and a changing industry.

UPDATED ED SPEC RESPONSE TO INPUT / PROGRAM COMPONENT SIZES

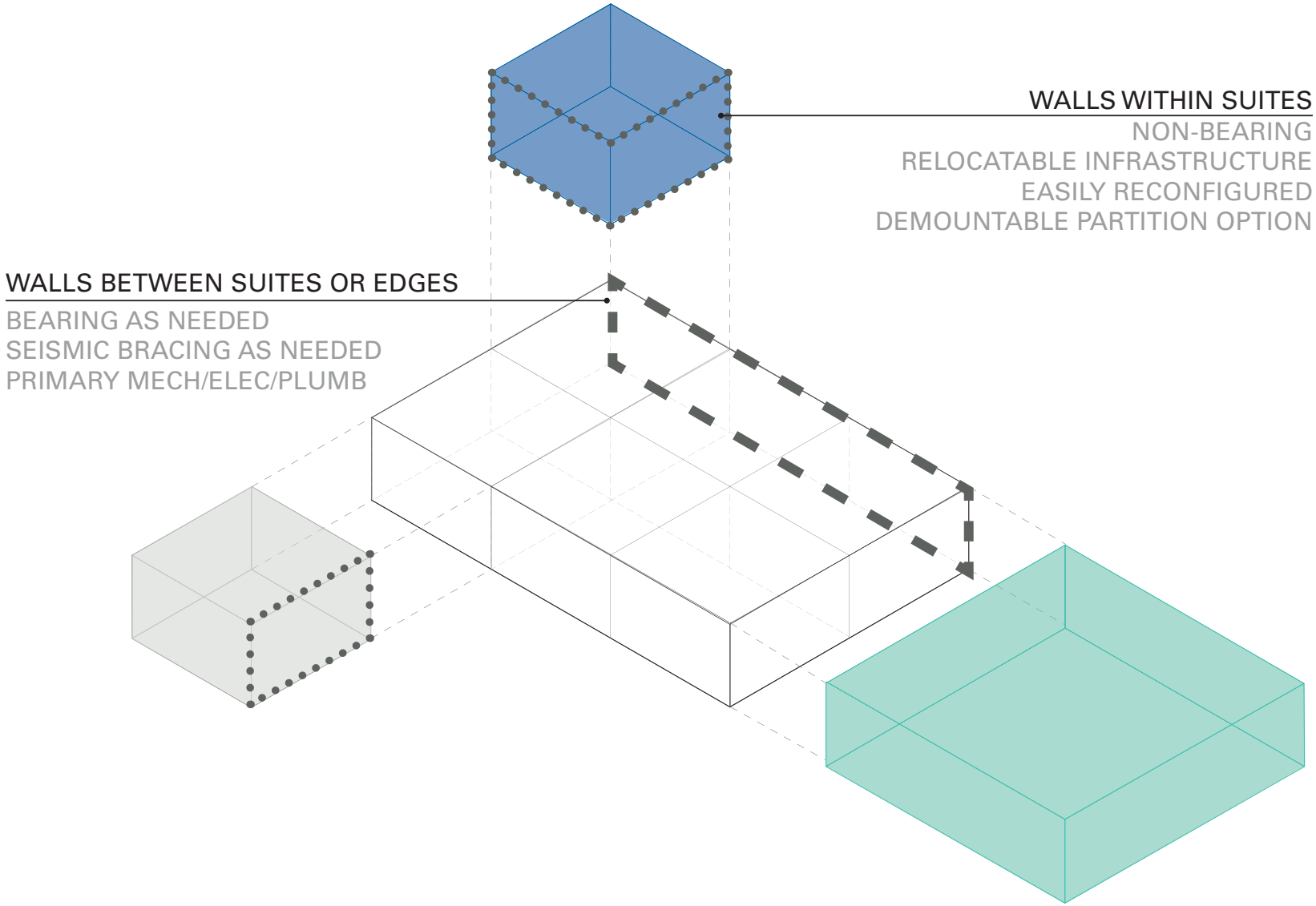


Space components have been sized appropriately in the program, using a modular format to provide consistency and regularity for efficient use of space. Components can be combined when needed for larger spaces.

STEERING COMMITTEE ED SPEC INPUT

Plan for future adaptations of CTE by providing **less compartmentalization.**

UPDATED ED SPEC RESPONSE TO INPUT / SUITE DEVELOPMENT



CTE programs will have greater flexibility and adaptability by being arranged in suites that are more open, with careful thought about where bearing elements and infrastructure are placed to maintain adaptable space.

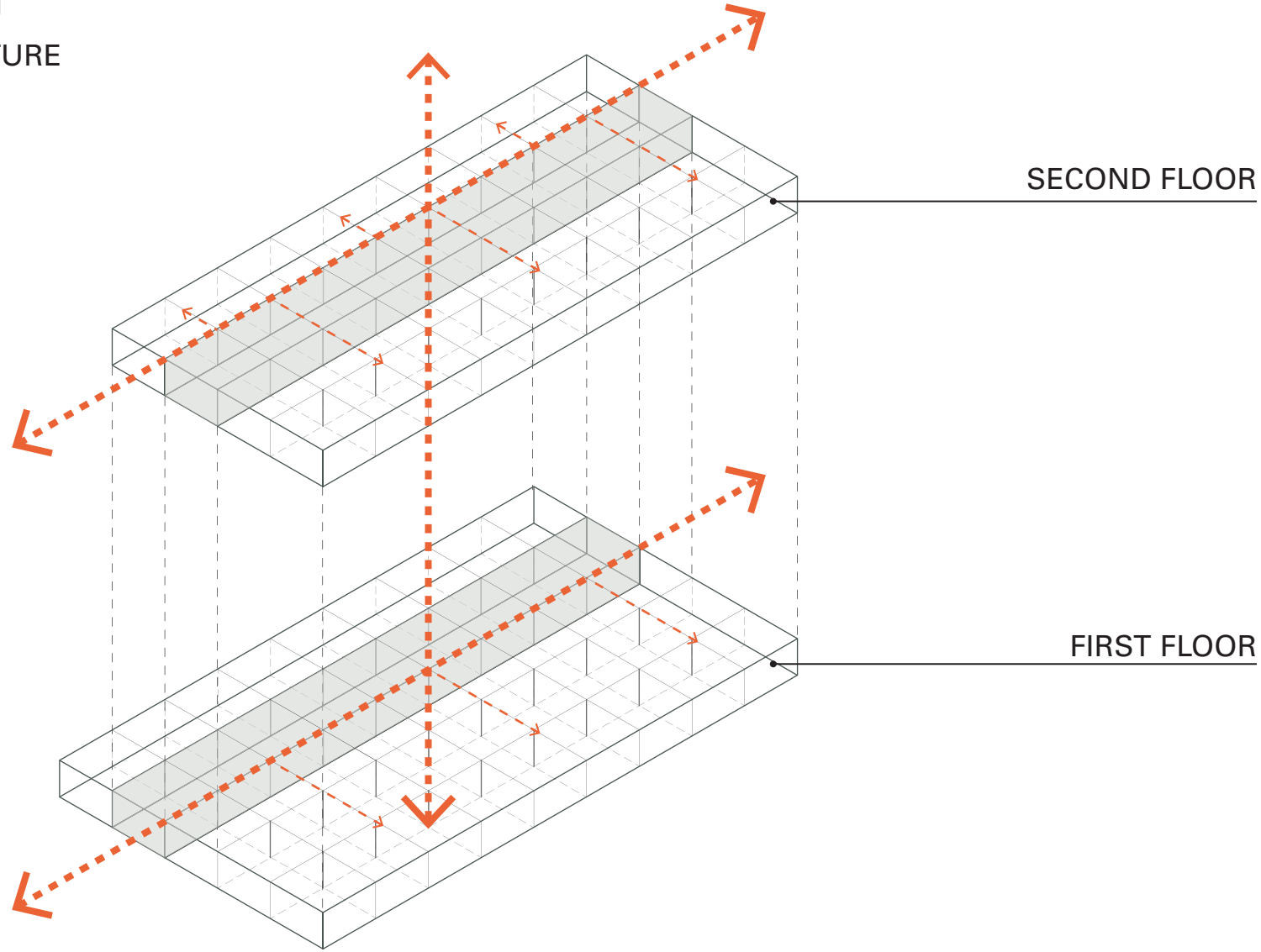
STEERING COMMITTEE ED SPEC INPUT

Design a **flexible and adaptable** building that can accommodate multiple scenarios.

UPDATED ED SPEC RESPONSE TO INPUT / DESIGNING FOR FLEXIBILITY

CIRCULATION / SUPPORT

SYSTEMS INFRASTRUCTURE



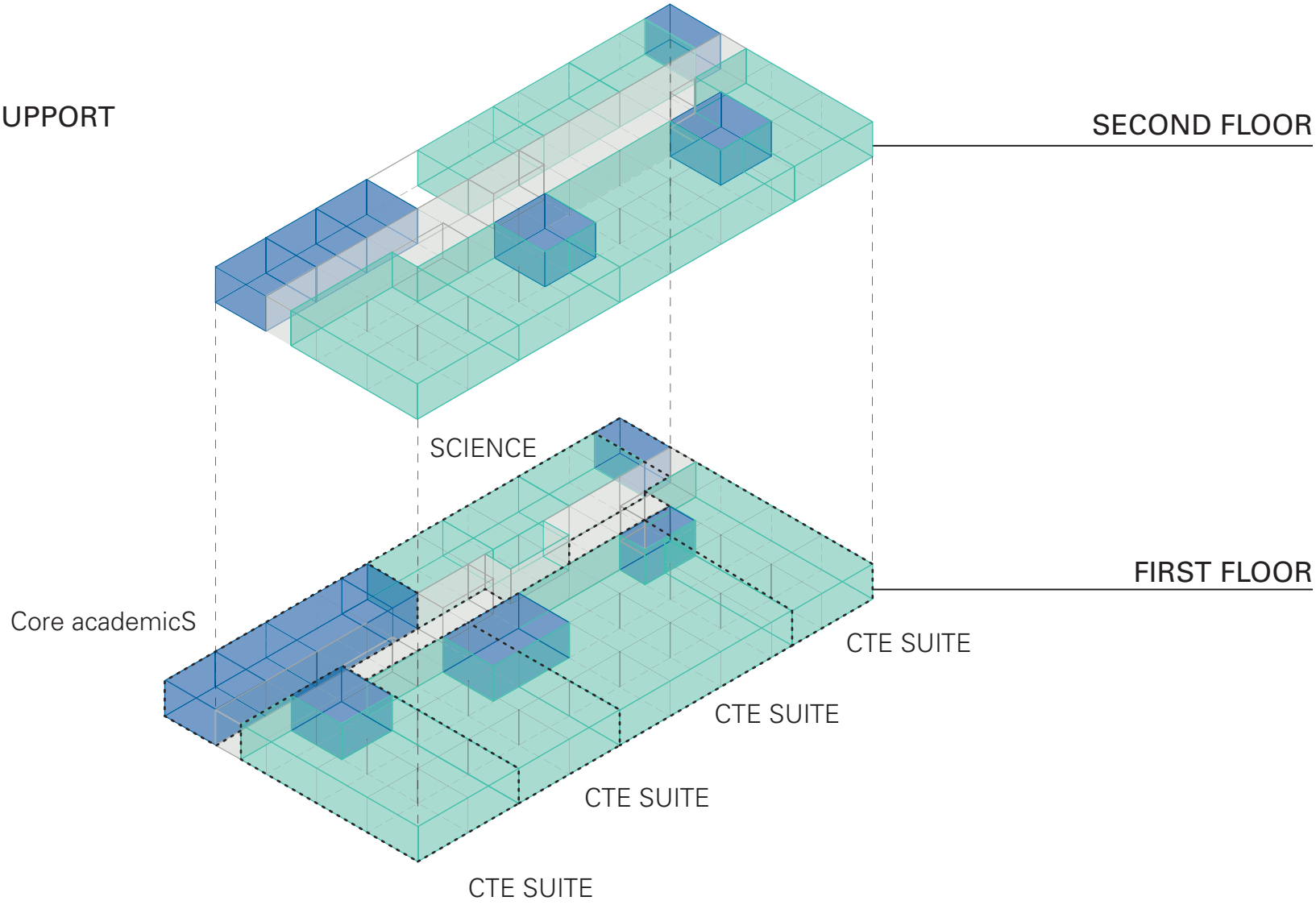
The building's structural grid and central systems will be laid out in an efficient modular format that maximizes flexibility while supporting a wide range of potential arrangements and scenarios.

STEERING COMMITTEE ED SPEC INPUT

Provide **spatial adjacencies** which **enable greater collaboration** between CTE and Core Academic spaces.

UPDATED ED SPEC RESPONSE TO INPUT / KEY ADJACENCIES

- CLASSROOMS
- LABS / SHOPS
- CIRCULATION / SUPPORT

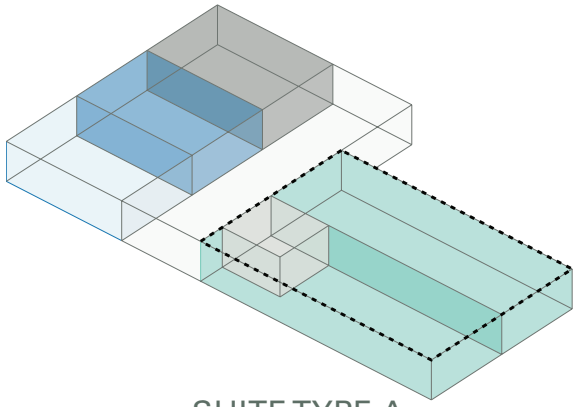


The building must be designed to support multiple scenarios, including arrangements that put Core Academics and CTE directly adjacent and across from each other.

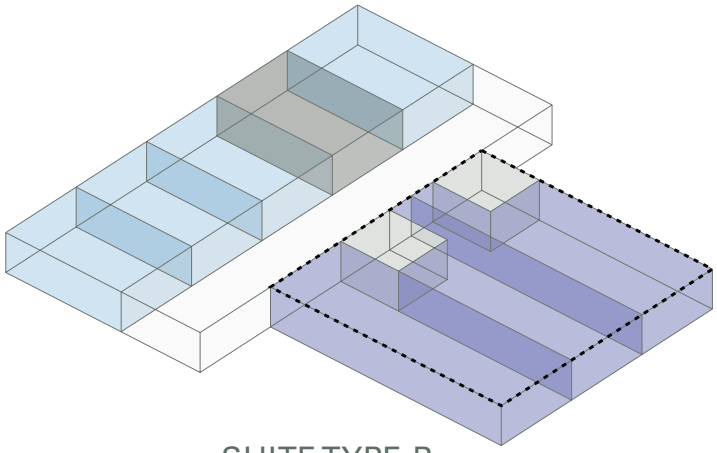
STEERING COMMITTEE ED SPEC INPUT

Plan for growth by providing flexible options, not necessarily increasing size of existing CTE.

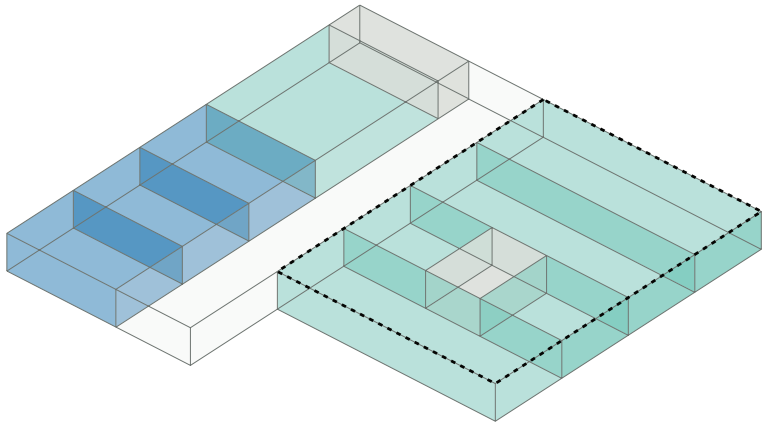
UPDATED ED SPEC RESPONSE TO INPUT / SUITE DEVELOPMENT



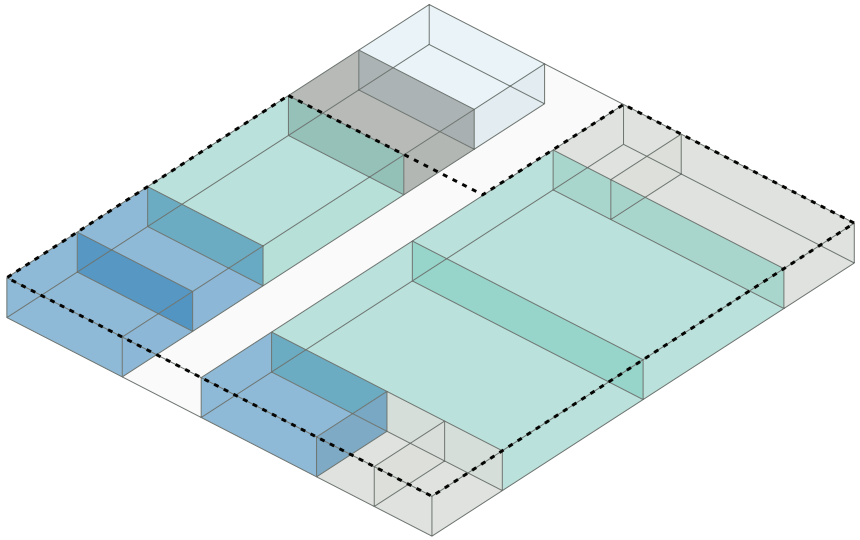
SUITE TYPE A
3,600 SF



SUITE TYPE B
5,400 SF



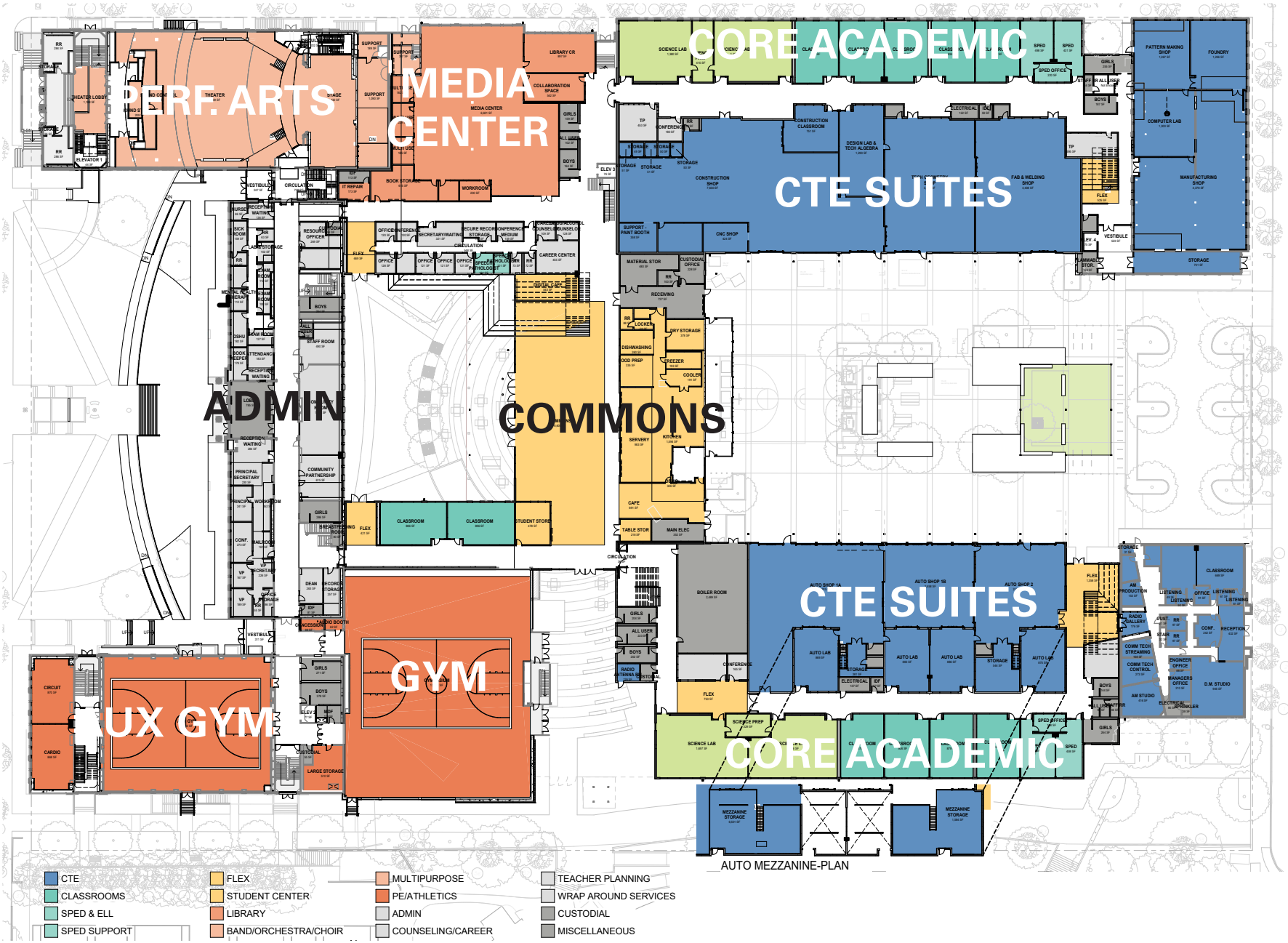
SUITE TYPE C
7,200 SF



SUITE TYPE D
14,400 SF

CTE programs are now organized within consistent suite types for greater parity between programs and to free up space for additional future programs that are yet to be determined. Un-programmed CTE Suite space has been reserved for potential new programs or current program growth, allowing flexibility in program development between now and opening day.

PROJECT OVERVIEW / FLOOR PLAN - MAIN LEVEL



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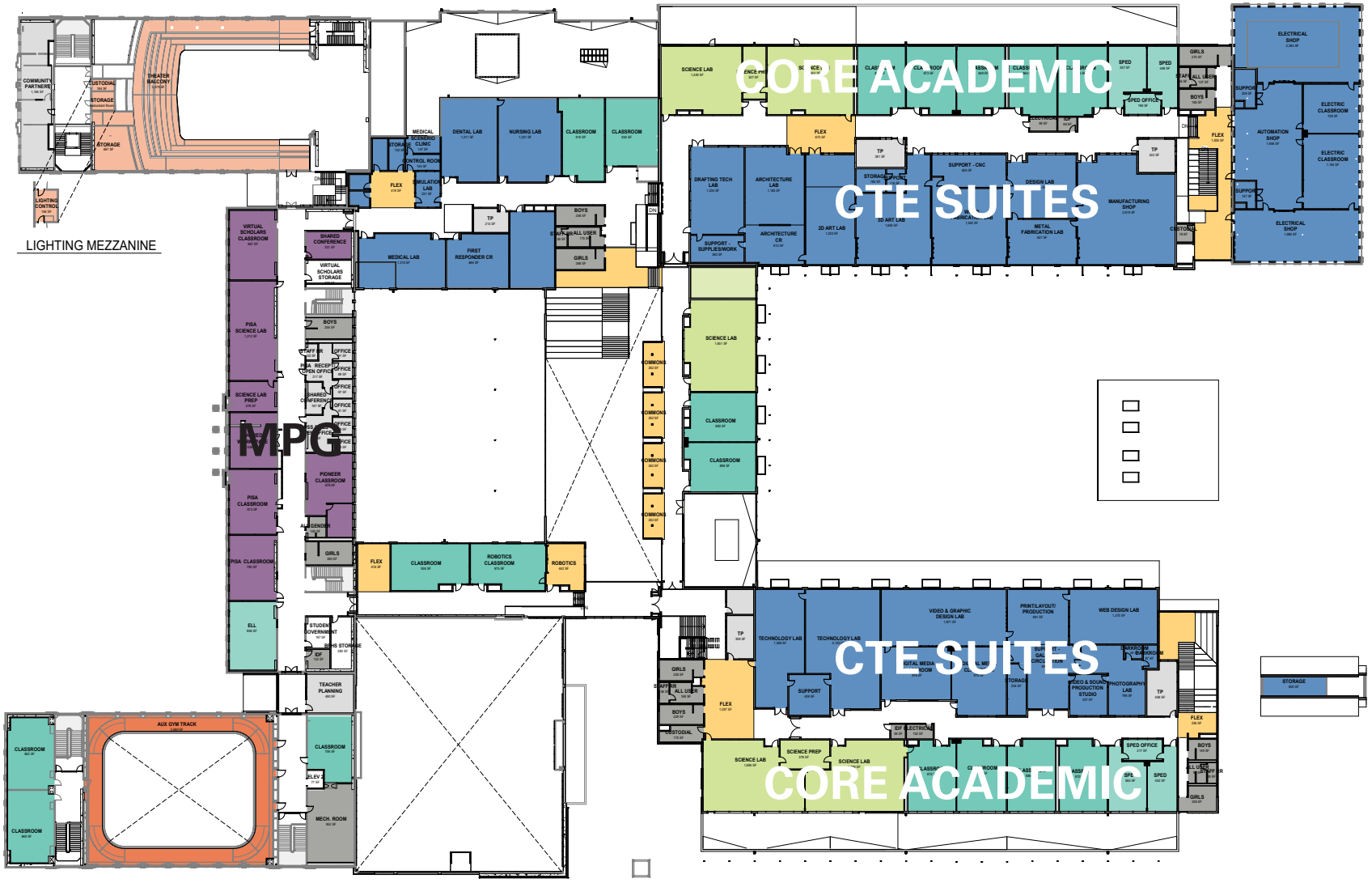
PROJECT OVERVIEW / FLOOR PLAN - UPPER LEVEL



- CTE
- CLASSROOMS
- SPED & ELL
- SPED SUPPORT
- SCIENCE LABS & PREP
- FLEX
- STUDENT CENTER
- LIBRARY
- BAND/ORCHESTRA/CHOIR
- THEATER & SUPPORT
- MULTIPURPOSE
- PE/ATHLETICS
- ADMIN
- COUNSELING/CAREER
- STUDENT ACTIVITIES
- TEACHER PLANNING
- WRAP AROUND SERVICES
- CUSTODIAL
- MISCELLANEOUS
- MPG
- OUTDOOR SPACE
- CIRCULATION
- CTE - ARCHITECTURE
- CTE - AUTO
- CTE - COMPUTER ENGINEERING
- CTE - CONSTRUCTION
- CTE - DESIGN & APPLIED ARTS
- CTE - DIGITAL MEDIA
- CTE - ELECTRIC
- CTE - ENGINEERING
- CTE - HEALTH OCCUPATION
- CTE - MANUFACTURING
- CTE - RADIO

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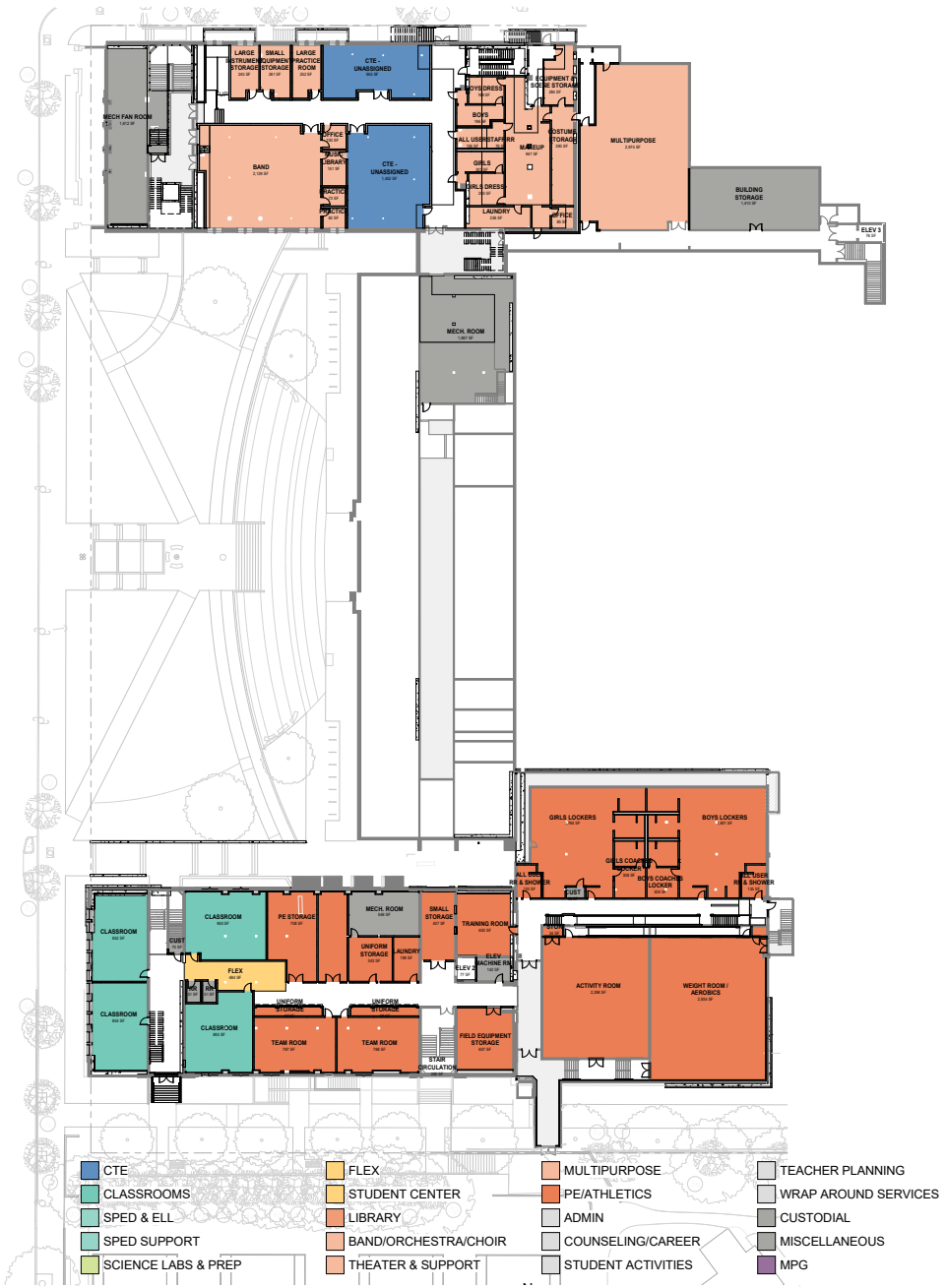
PROJECT OVERVIEW / FLOOR PLAN - LOWER LEVEL



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"SCIENCE CENTRALLY LOCATED AS A RESOURCE TO EVERY PROGRAM WILL ALLOW GREATER SUPPORT OF NEXT GEN INSTRUCTION"

"BEING MORE OPEN, VISIBLE, AND CONNECTED WOULD BE GREAT"

"PROJECT AREAS ON THE ROOF"

"THERE IS UNDENIABLE OPPORTUNITY FOR COLLABORATION IN THE UPDATED MASTER PLAN"

"GOOD IDEAS CAN COME FROM CLOSE PROXIMITY"

"STUDENT DAG MEMBERS IDENTIFIED A COVERED COURTYARD AS A TOP PRIORITY"

"THE BASEMENT IS NOT A FAVORABLE LOCATION FOR THE HEALTH CLINIC"

"....A LONG LASTING BUILDING FOR ANOTHER 100 YEARS."

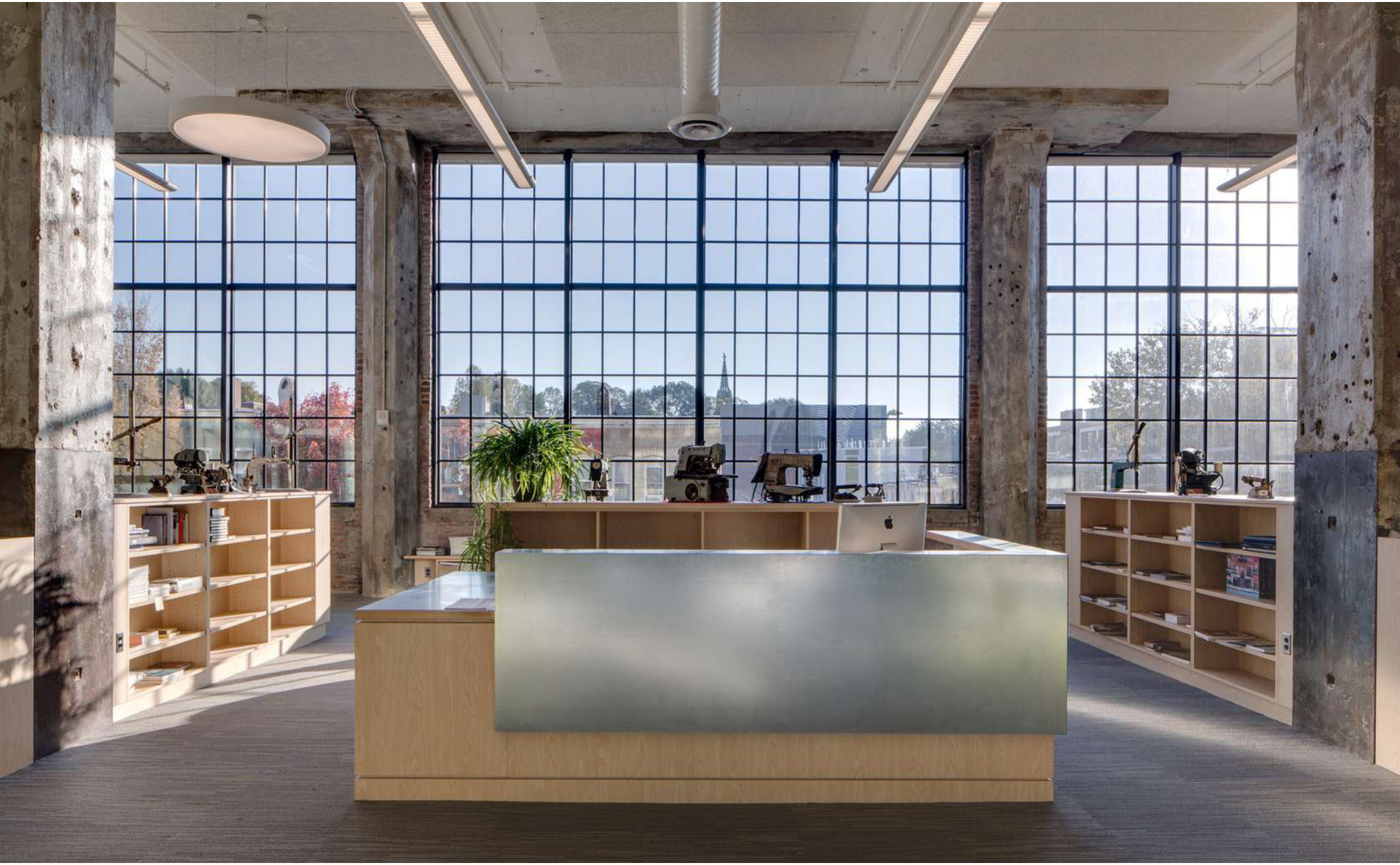
"YAY! SPACE FOR MATH TECH!"

"THE SOCIAL COURTYARD LOOKS VERY BEAUTIFUL AND INSPIRING."

IMAGERY / MULTI-USE & FLEXIBLE SPACES

IMAGERY / SHARED SPACE - SOCIAL & LEARNING

IMAGERY / INDOOR - OUTDOOR CONNECTION



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MASTER PLAN COMMITTEE FEEDBACK

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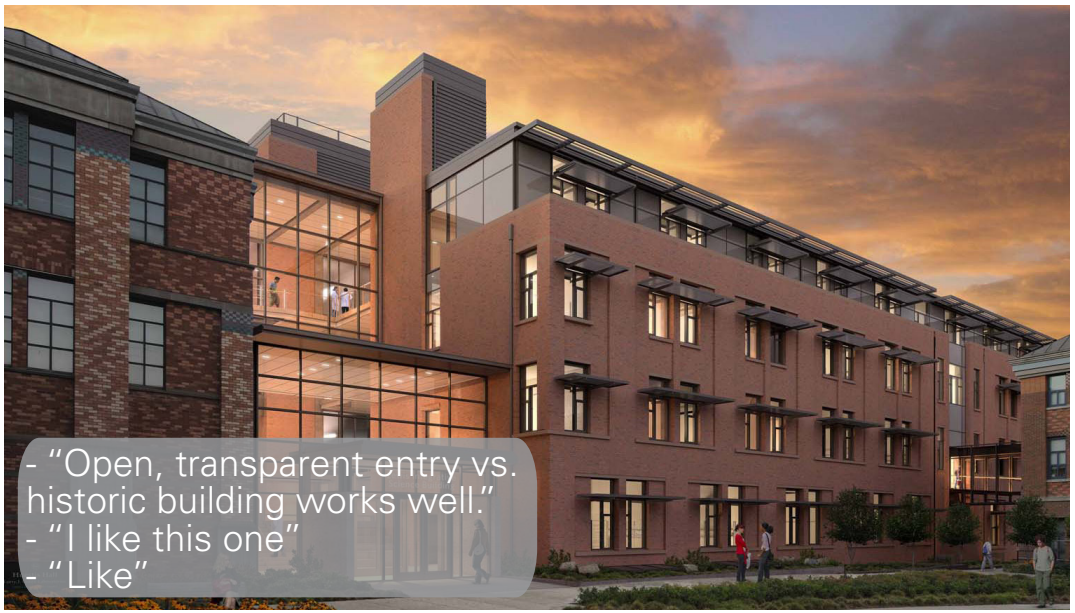
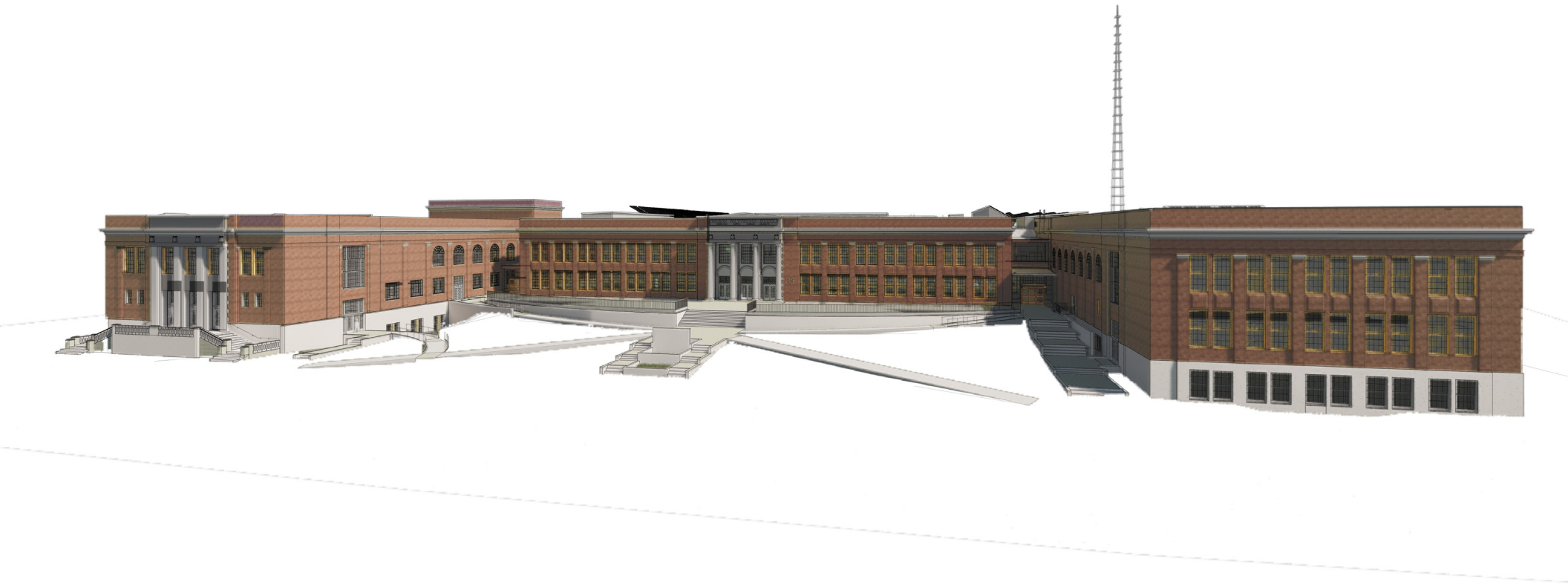
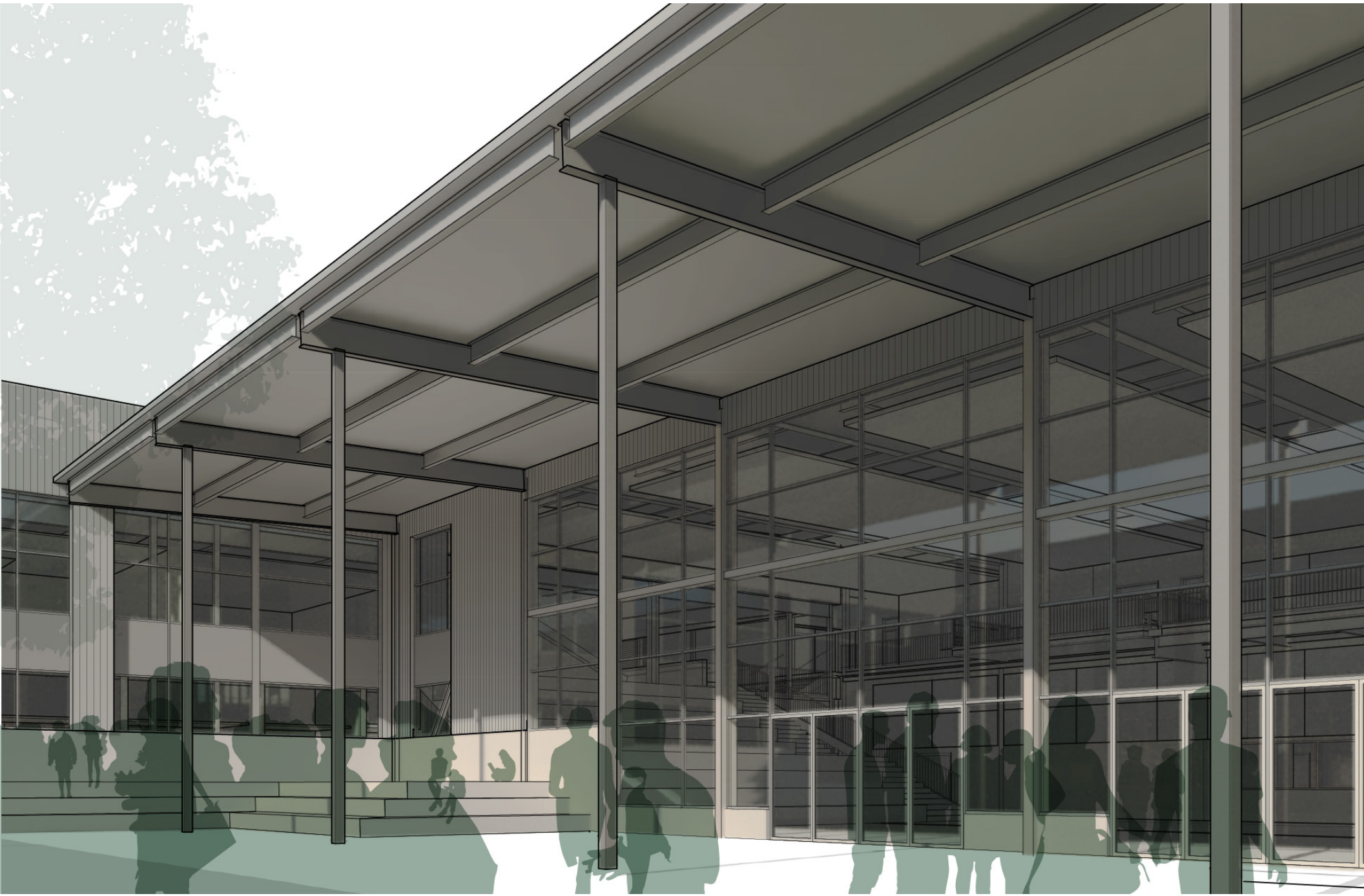


OVERVIEW OF HISTORIC BUILDINGS FROM MAIN ENTRY



VIEW OF COMMONS EXTERIOR



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VIEW OF COMMONS INTERIOR

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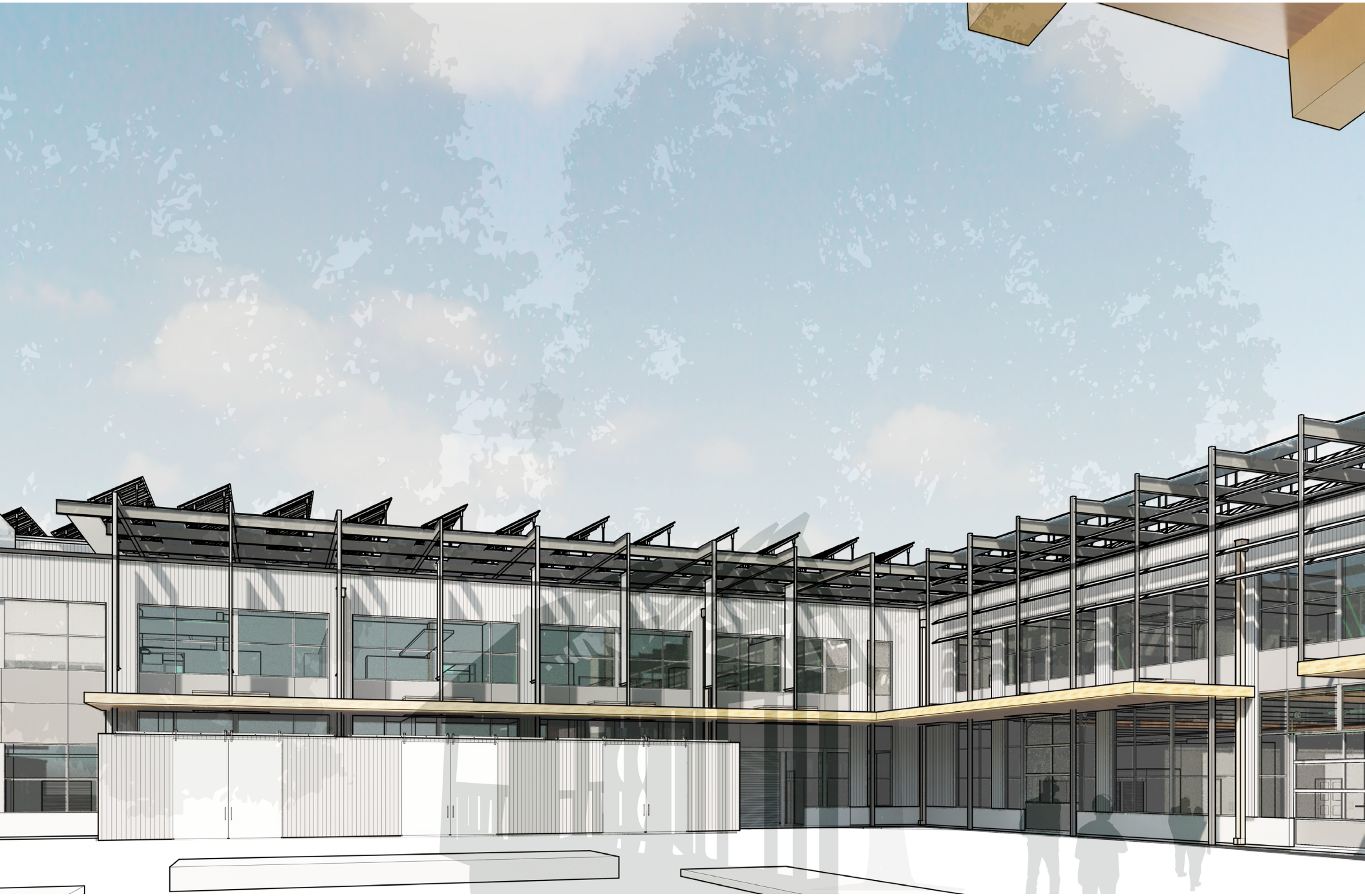
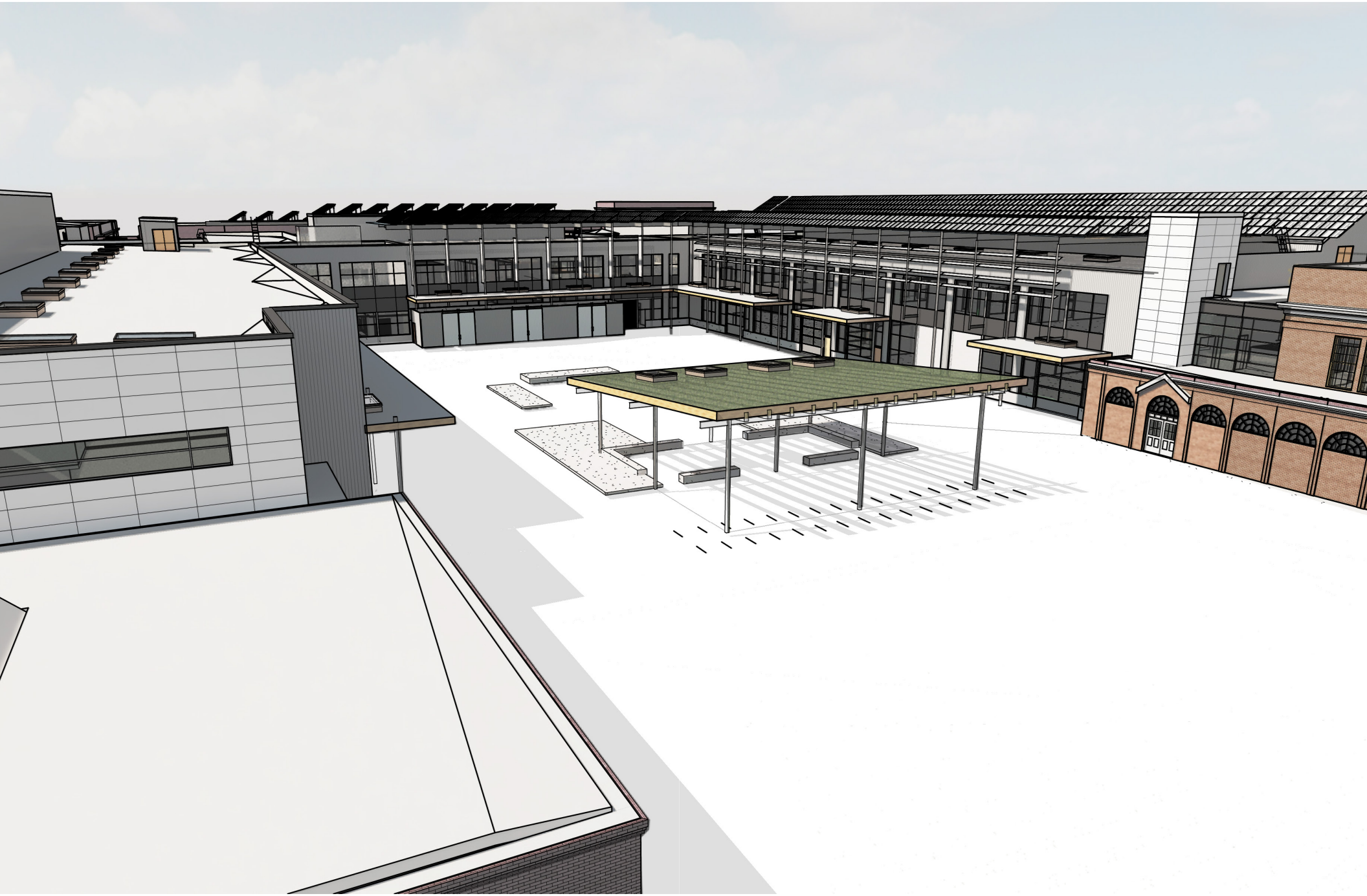
VIEW OF EAST FACADE FROM CTE COURTYARD



OVERVIEW FROM EAST LOOKING WEST



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PORTLAND PUBLIC SCHOOLS Portland, Oregon

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Bond (School Building Improvement Bond)

- Department Main Page
- Office of School Modernization
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Benson Polytechnic High School is one of 3 PPS high schools being modernized or rebuilt through the May 2017 Bond. It was partially master planned as part of the 2012 School Building Improvement Bond. The goal of planning is to develop a comprehensive, equitable, integrated and visionary high school campus with authentic school and community engagement. Phased three year construction on Benson Tech is scheduled to begin in 2021.

The Master Plan for the Modernized Benson Polytechnic was approved unanimously by the School Board on Dec. 18th, 2018.

Get Involved

A Benson Polytechnic Schematic Design Open House is on June 6th, 5:30pm – 8:00pm, in the Benson Band Room 125

Stay Informed

School Board supports expanded Benson modernization plan

On February 26th the PPS Board of Education voted to expand the Benson Modernization project plan to include all the Multiple Pathways to Graduation programs (MPG) that are currently housed at the Benson campus. Recently, the district undertook a series of listening sessions, analysis of the needs of each the (MPG)

Get Connected

Get connected to receive updates and events notices. Join the Benson project mailing list at BHSMod@pps.net

For more information about school building improvements, contact: 503-916-2222 or email schoolmodernization@pps.net

PPS Social Media links

Learn more about Benson High School at their web site or the Benson Facebook page.

THANK YOU.