

BENSON POLYTECHNIC H.S. DAG #1 / OCTOBER 4, 2018

AGENDA /

6:00 – 6:15 Arrival, Welcome, Project Team & District Introductions

6:15 – 6:40 Introduction Activity

5 min Goals & Aspirations

20 min Group Introductions

6:40 – 6:50 Vote & Announcement of Co-chairs

6:50 – 7:15 Update and Project Background

10 min Project Update – Portland Public Schools

15 min Project Background – Bassetti Architects

7:15 – 7:50 Site Analysis Activity

5 min Overview

30 min Activity and Discussion

7:50 – 8:00 Public Comment

PORTLAND PUBLIC SCHOOLS

Jen Sohm, Project Design Manager

BASSETTI ARCHITECTS

Caroline Lemay, Principal-In-Charge

Lorne McConachie, Design Principal

Joe Echeverri, Project Manager

Aydin Eهران, Architect

Holly Grosvenor, Architect

Dianna Montzka, Design Staff





HIGH SCHOOL EXPERIENCE

- + Roosevelt High School (Portland)
- + Raisbeck Aviation High School
- + Bishop Blanchet High School
- + The Center School
- + Central Kitsap High School
- + Chief Sealth International High School
- + Edmonds Woodway High School
- + Inglemoor High School
- + Kingston High School
- + Klahowya Secondary School
- + Liberty High School
- + Lincoln High School
- + Lynnwood High School
- + Mercer Island High School
- + Natrona County High School
- + The Overlake School
- + Roosevelt High School (Seattle)
- + Rock Springs Satellite High School
- + Shorewood High School
- + Skyline High School
- + Stadium High School
- + Stanwood High School
- + Todd Beamer High School
- + Vashon High School

www.bassettiarch.com



Design Advisory Group Charter

- Co-Chairs: Propose 1 Adult & 1 Student
 - DAG meeting agenda & presentation review
 - Planning meeting (before DAG)
 - Assist in meeting protocol
- DAG Materials: Posted online
- Quiet Public Observation & End of Meeting Comment
 - Also comment cards



DAG Meeting Guidelines

- Make the effort to attend every meeting and to arrive on time.
- Participate and share your perspectives.
- Allow all DAG members to speak.
- Listen, consider and respect the views of others.

INTRODUCTION ACTIVITY /

5 min

Goals & Aspirations

Pair-up with someone next to you.

- +State your role (parent, student, teacher, alumni, etc)
- +Share your primary goal/aspiration for the project

Your partner writes down what they hear on the index card

20 min

Group Introductions

One-by-one around the room, share:

- +Name
- +Role
- +Goal/aspiration as written down by your partner
- +Share if you would be interested in being a co-chair

VOTE & ANNOUNCEMENT OF CO-CHAIRS /

PROJECT UPDATE / PORTLAND PUBLIC SCHOOLS



Benson Tech Project Update

- Stakeholder Engagement / Roles
- Project Budget
- BOE direction: 1,700 Design Capacity
- CTE – Career Technical Education
- STEAM – Science Technology Engineering Art
Math



Benson Tech Stakeholder Engagement

- **Design Advisory Group:** Advisory; Provide Input; Concerns & Aspirations reflected in alternatives developed
- **District & School Stakeholders:** Benson Tech Administration, Staff & CTE & Core teacher Dept.Rep., BESC Departments: Operations & OTL
- **Steering Committee:** District leadership decision makers



Benson Tech Project Budget

- August 28 BOE Vote approved MHS & LHS
 - MHS approved at \$199M (orig. \$142M)
 - LHS approved at \$242M (orig. \$183M)
- Funds deducted from Benson Tech budget
- School Board & Superintendent are committed to modernization of Benson Tech
- District will fully fund Benson Tech with funding source TBD



Design Capacity: 1,700 Benson Tech

- BOE Resolution 5160: November 2015
 - Directed the development of ed specs and master plan for Benson Tech @ 1,700 design capacity
 - Directed analysis of location options for other programs (including @ Benson Tech campus)
 - BOE to make final decision on location of Alliance
- Ed Spec & Master Plan includes Benson Tech HS; other schools/programs are not included
 - During construction building use will be limited for safe, phased occupied construction



Career Technical Education (CTE)

- Career Learning/CTE Master Planning Efforts
 - Assess the current state of Career Learning/CTE in PPS
 - Design and implement district wide systems
 - Develop a 5 year Career Learning & CTE master plan
 - Grades 6-12
 - Work to begin Fall 2018
 - Benson Tech modernization project process and timeline will continue as scheduled
- CTE coordination in Steering Committee and with Ed Specs



STEAM @ PPS

- Science, Technology, Engineering, Art & Math
 - STEAM & CTE will be collaborating to create intentional pathways across 8th – 12th grades
 - STEAM alignment with Benson Tech Ed Specs for creating more spatial adjacencies between CTE and Core

PROJECT BACKGROUND / BASSETTI ARCHITECTS

PROJECT OVERVIEW /



Main Building construction, circa. 1916

STUDENT DESIGN CAPACITY

1,700

PROPOSED BUILDING AREA

+/- 368,000 SF

KEY PROJECT CHALLENGES

- + Portland Landmark and NRHP eligible
- + Constrained urban site
- + Extensive health and safety upgrades required, including seismic upgrade of unreinforced masonry (URM) buildings and providing universal ADA access throughout campus
- + Phased construction with student occupancy

PORTLAND HISTORIC LANDMARK /



CONTRIBUTING HIGH SIGNIFICANCE

- + Building A, Main Building (1917)
- + Building B, Auditorium (1929)
- + Building C, Old Gymnasium (1925)

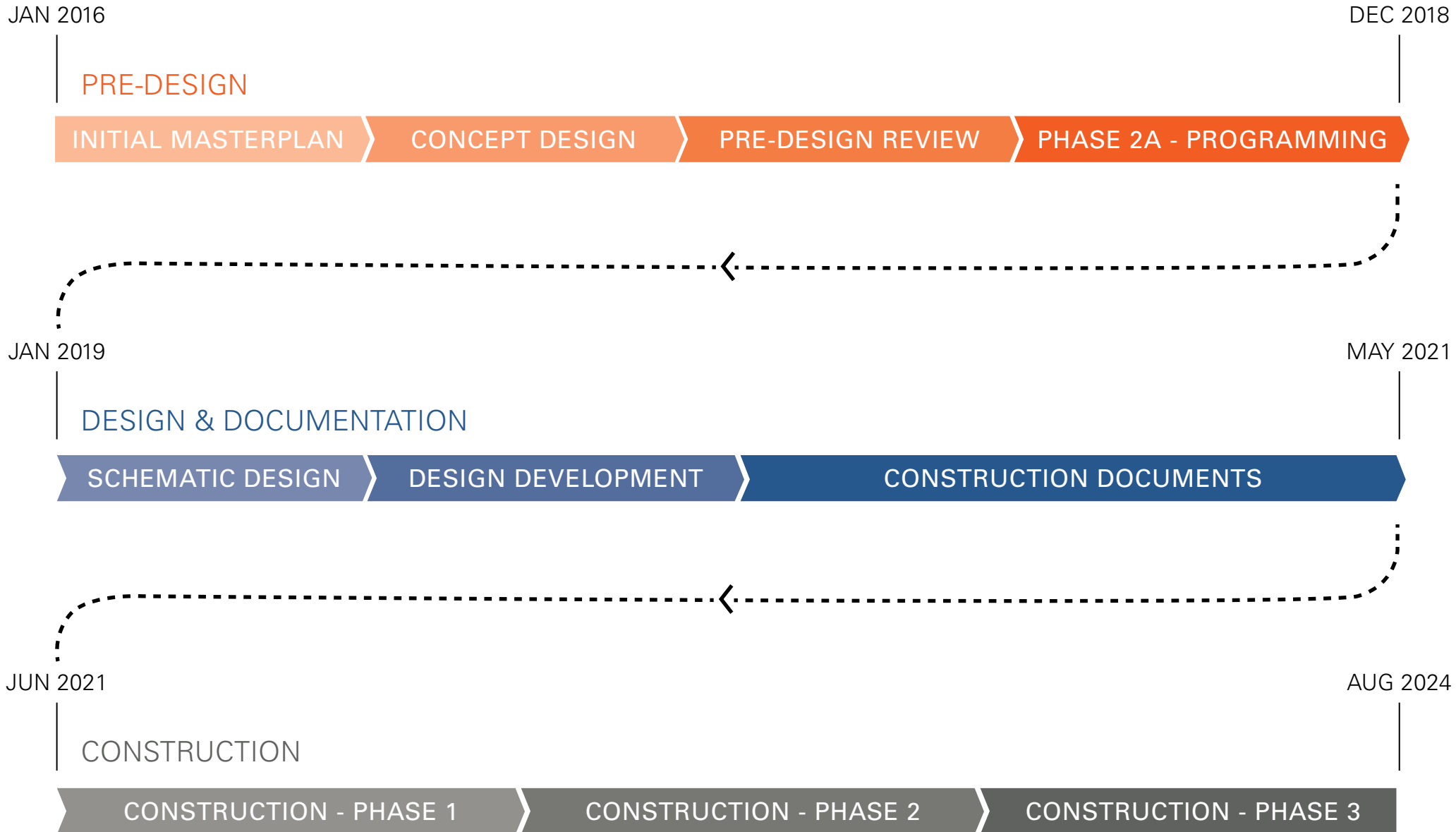
CONTRIBUTING MODERATE SIGNIFICANCE

- + Building G, North Shop Wing (1917)
- + Building J, South Shop Wing (1918)
- + Building K, Foundry Building (1917)

NON-CONTRIBUTING

- + Building D, Library Addition (1991)
- + Building E, Library Science Addition (1917/53/91)
- + Building F, Gymnasium (1964)
- + Building H, Aeronautics/Automotive Shops (1953)
- + Building L, KBPS (1991)

BENSONTECH MODERNIZATION PROCESS /



BENSONTECH MODERNIZATION PROCESS /

JAN 2016

SEP 2016

INITIAL MASTERPLAN

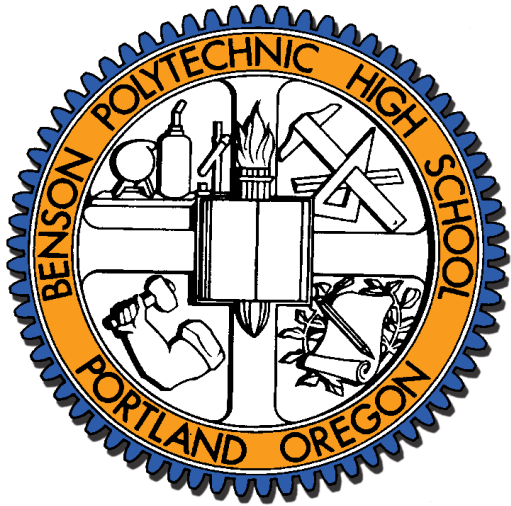
CONCEPT DESIGN

PRE-DESIGN REVIEW

PHASE 2A - PROGRAMMING

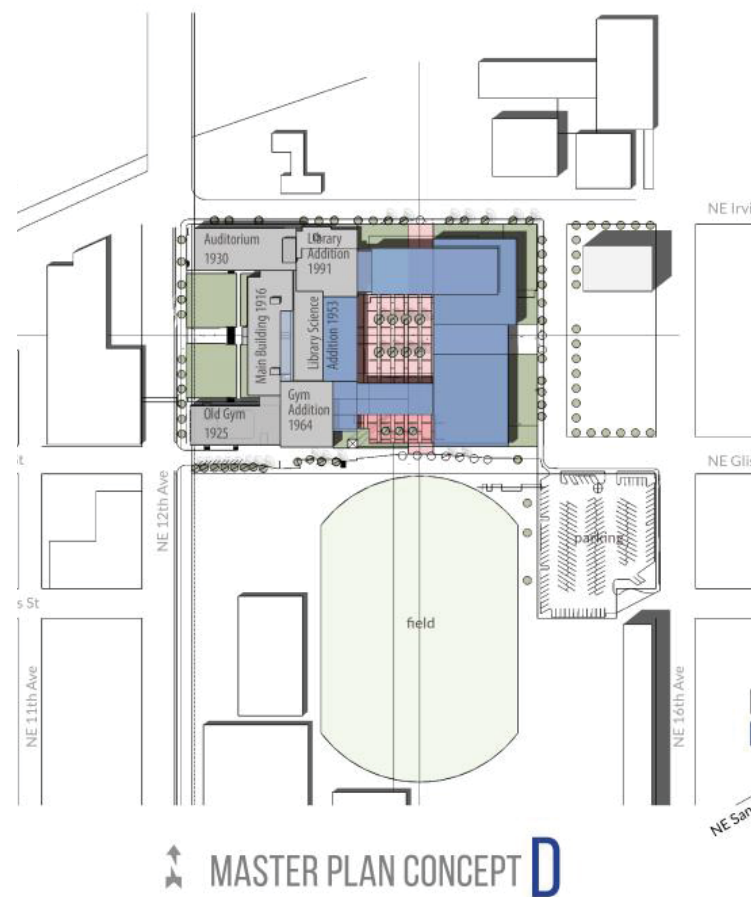
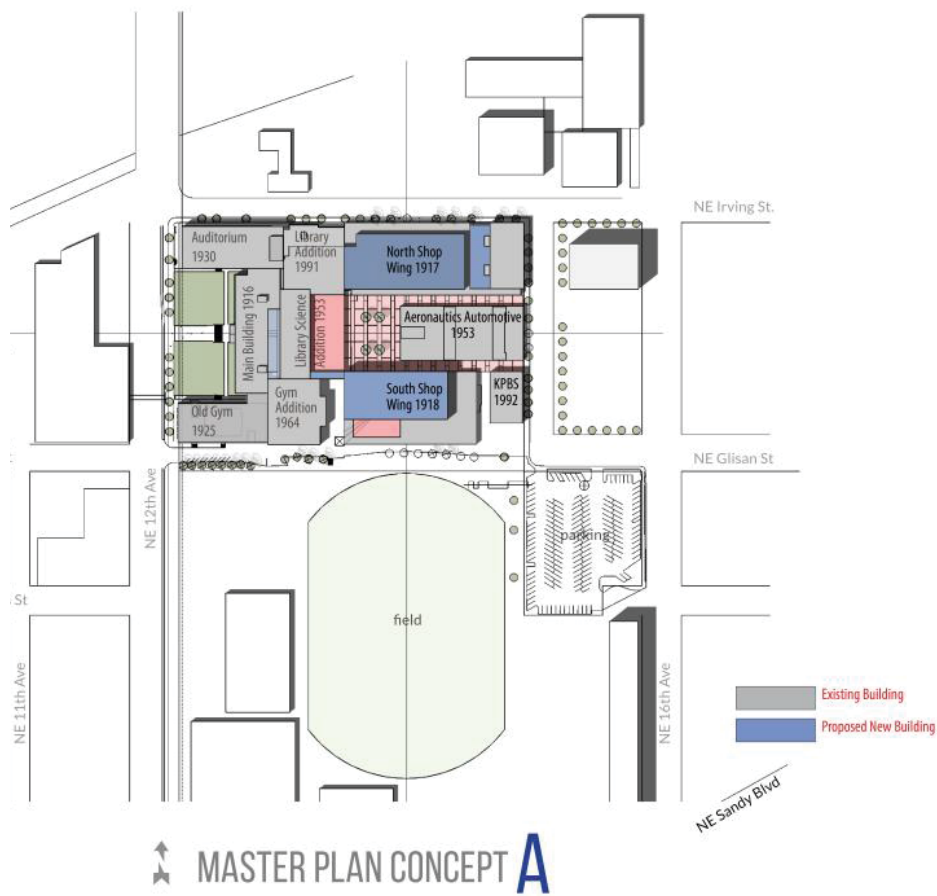
- + USER GROUP INPUT
- + 7 MPC MEETINGS
- + 2 PUBLIC WORKSHOPS
- + 1 OPEN HOUSE
- + **SCHEMES A-D**
- + **COST ESTIMATE**

GUIDING PRINCIPLES /



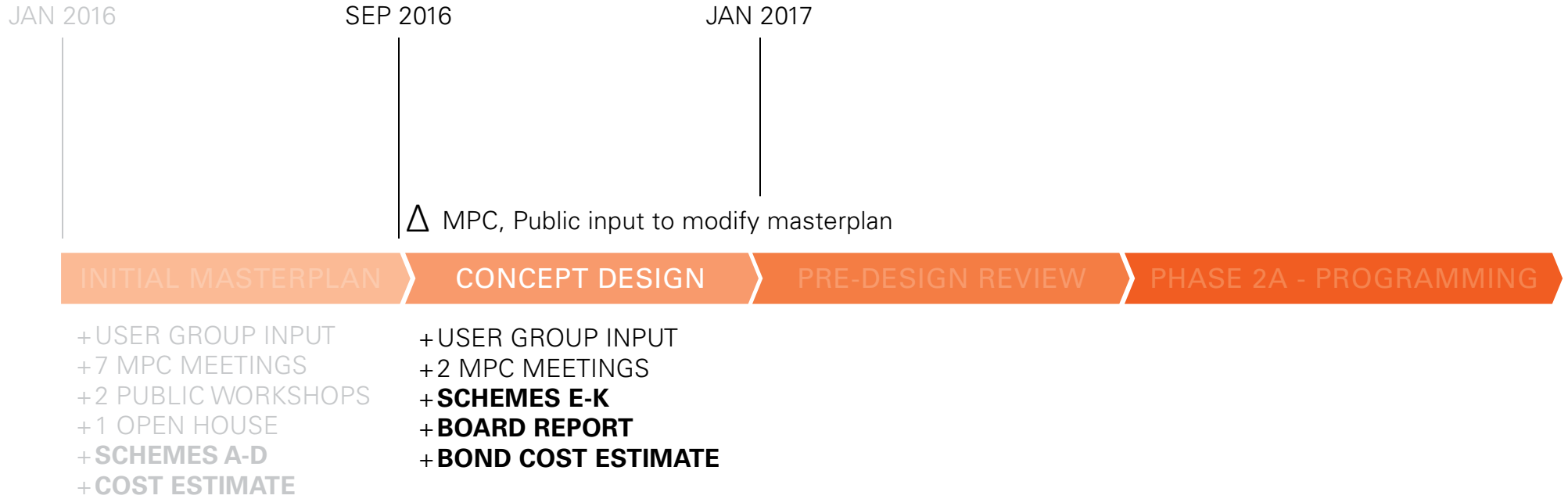
1. Honor the unique history and culture of Benson Polytechnic High School.
2. Engage with the local business, government, and post-secondary partners to create strong connections between education and industry.
3. Provide hands-on, project-based learning opportunities that are imbued with rigor and relevancy.
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).

BENSON TECH MODERNIZATION PROCESS /

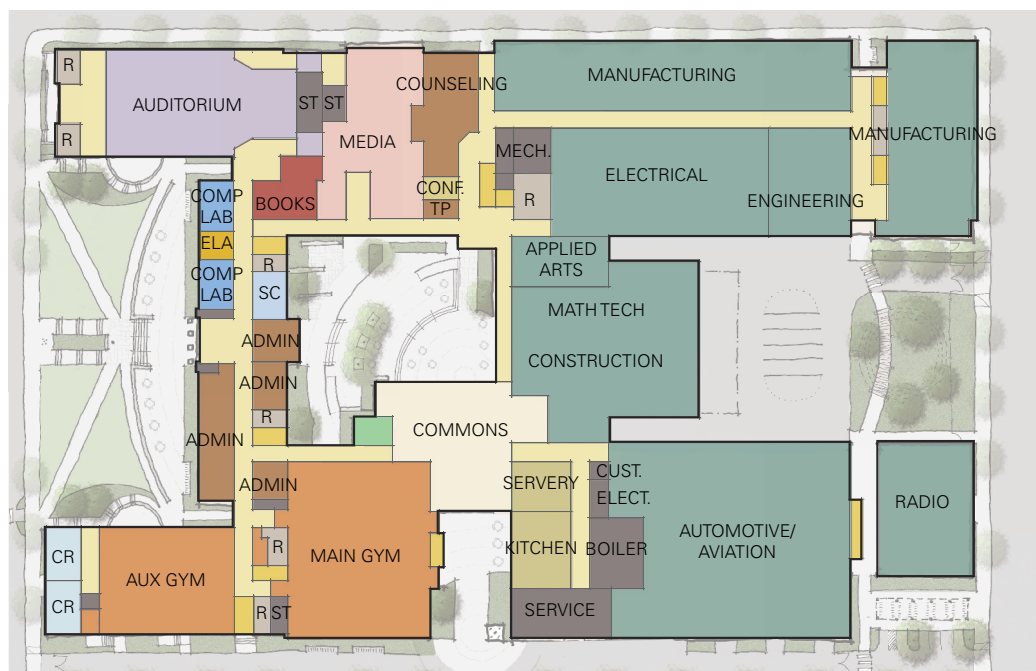
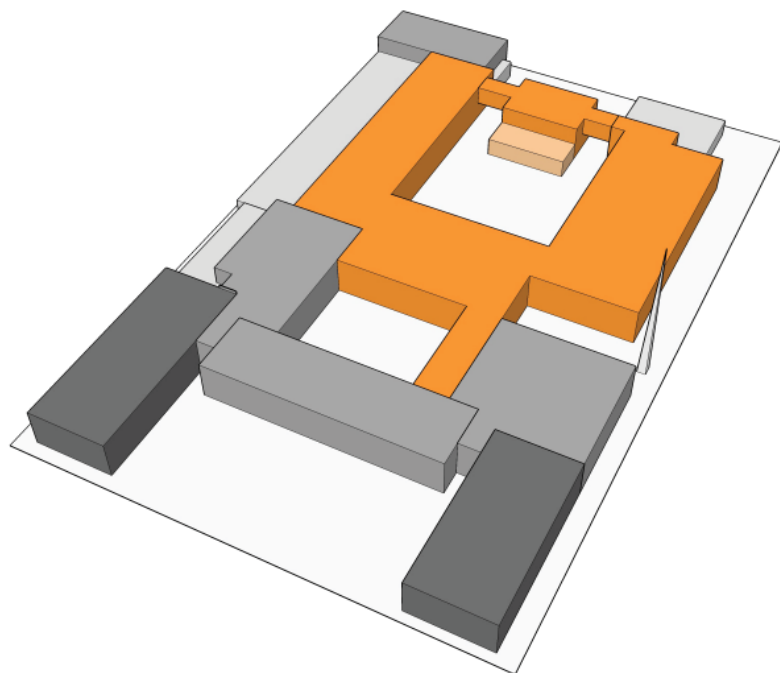
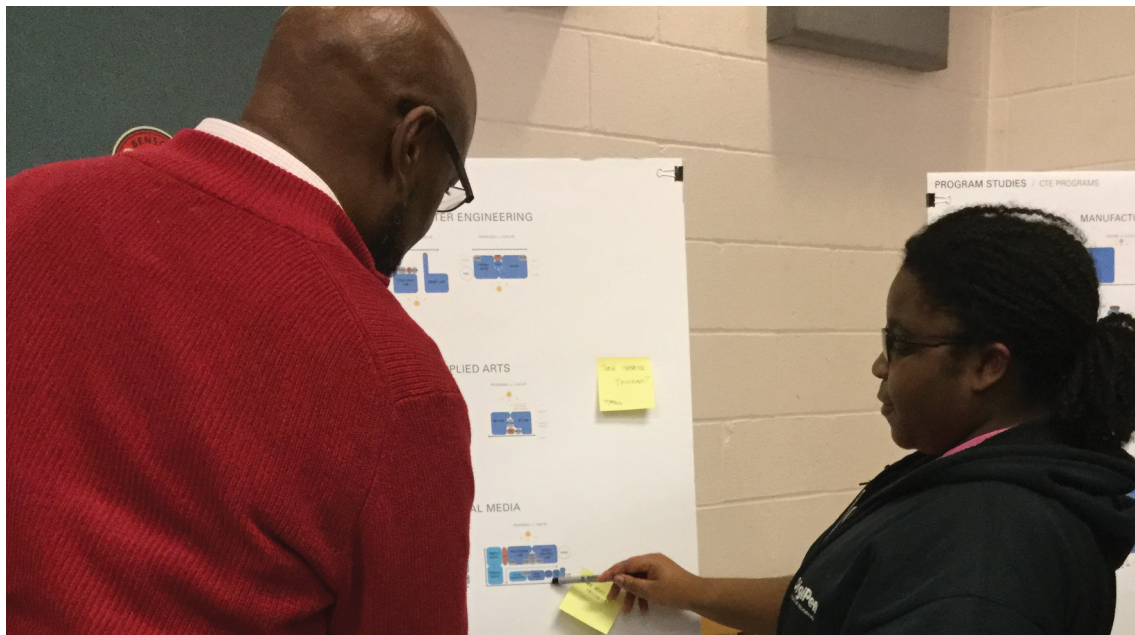


MASTER PLAN CONCEPTS PRODUCED BY DOWA-IBI, FALL 2016

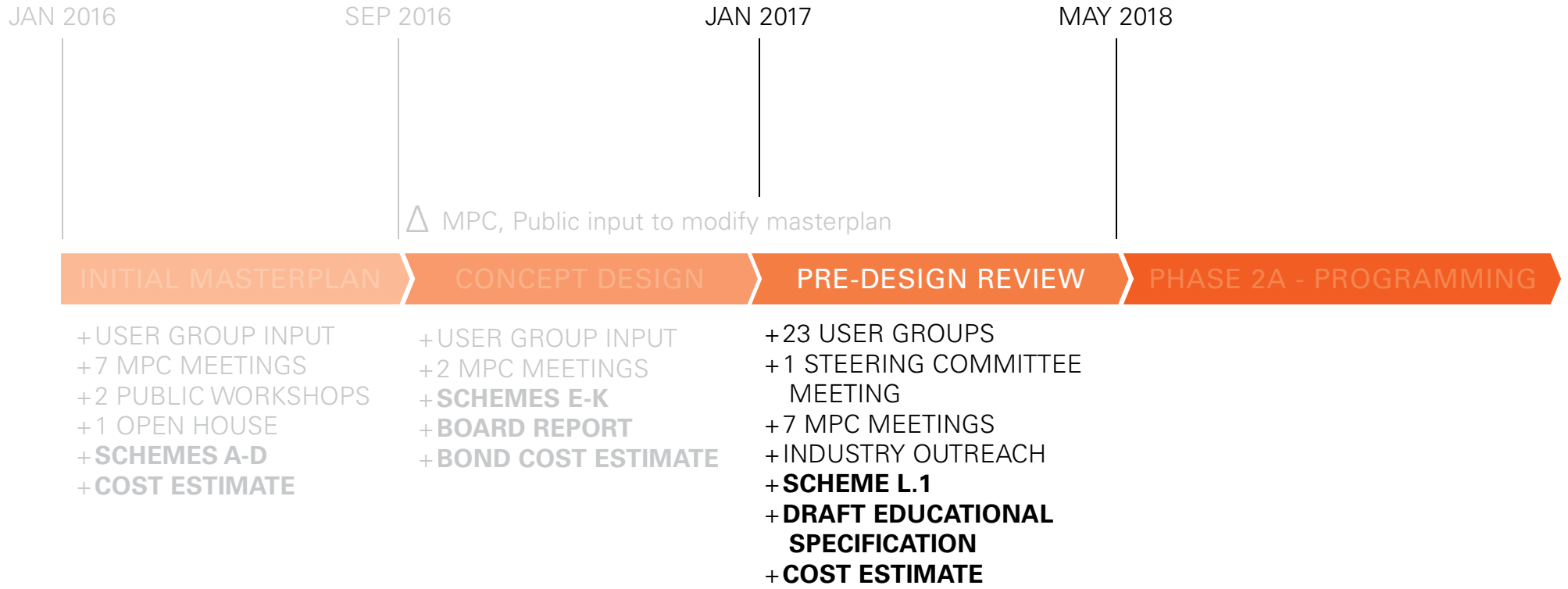
BENSON TECH MODERNIZATION PROCESS /



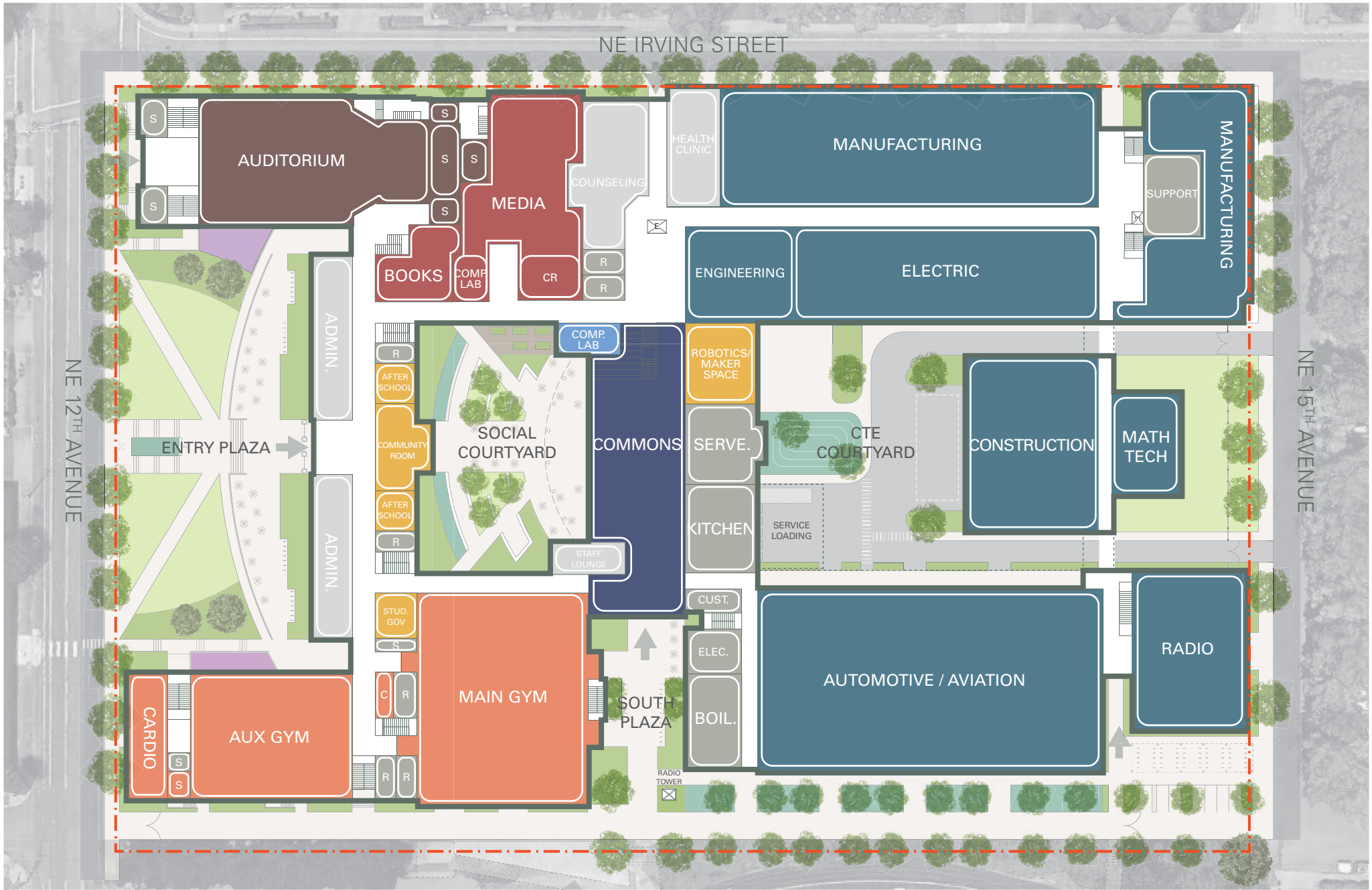
BENSON TECH MODERNIZATION PROCESS /



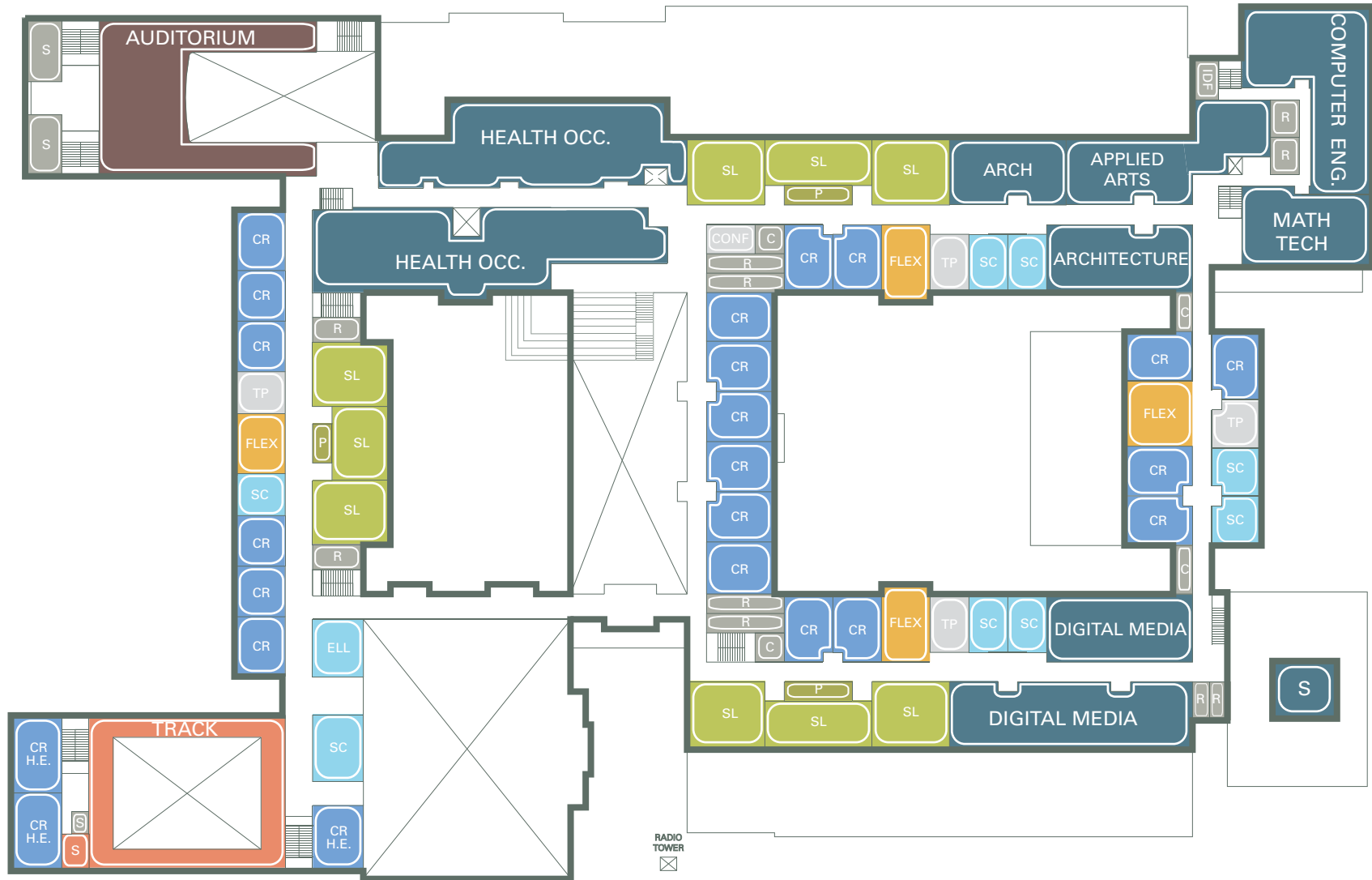
BENSON TECH MODERNIZATION PROCESS /



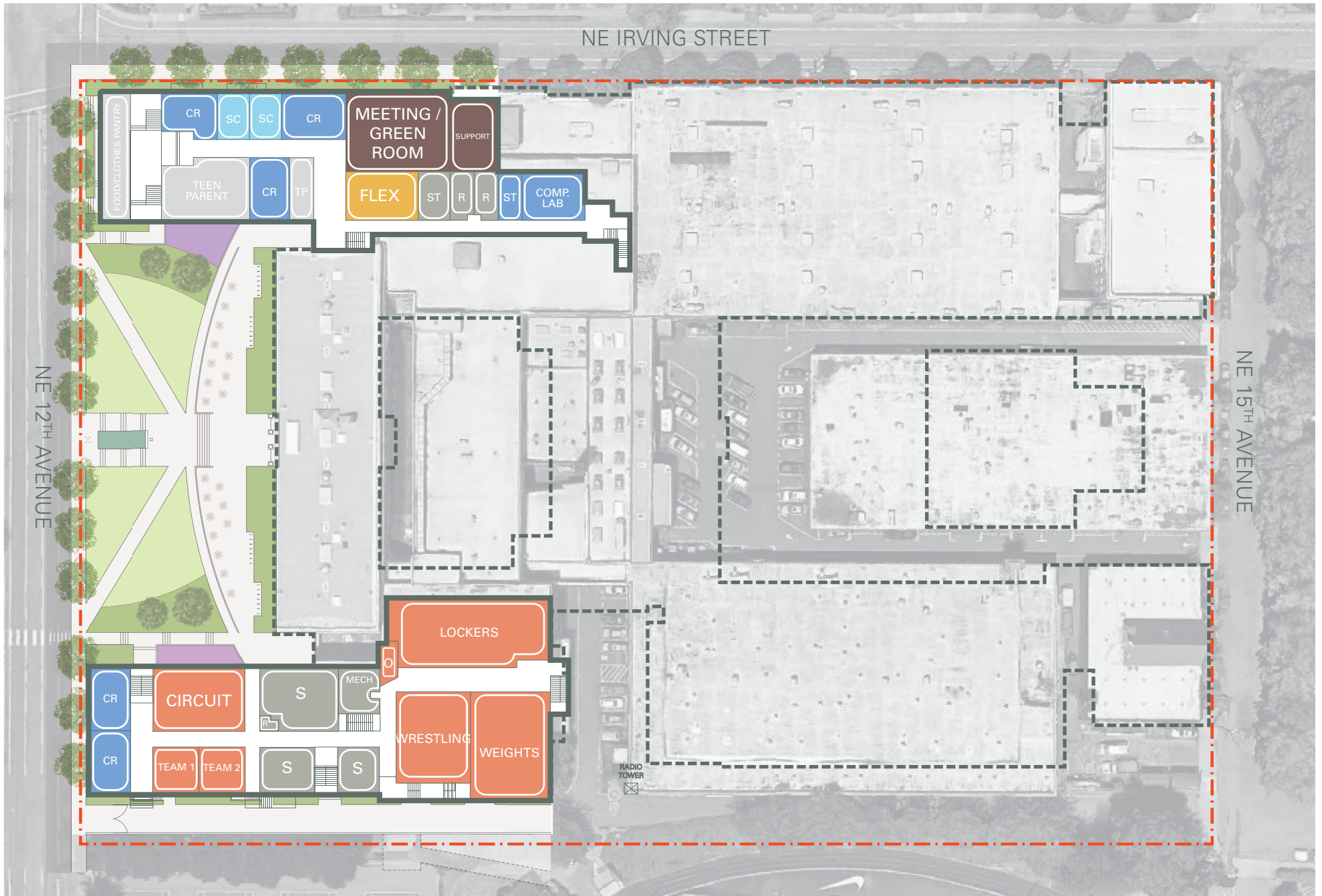
SCHEME L.1 / GROUND LEVEL



SCHEME L.1 / UPPER LEVEL



SCHEME L.1 / LOWER LEVEL



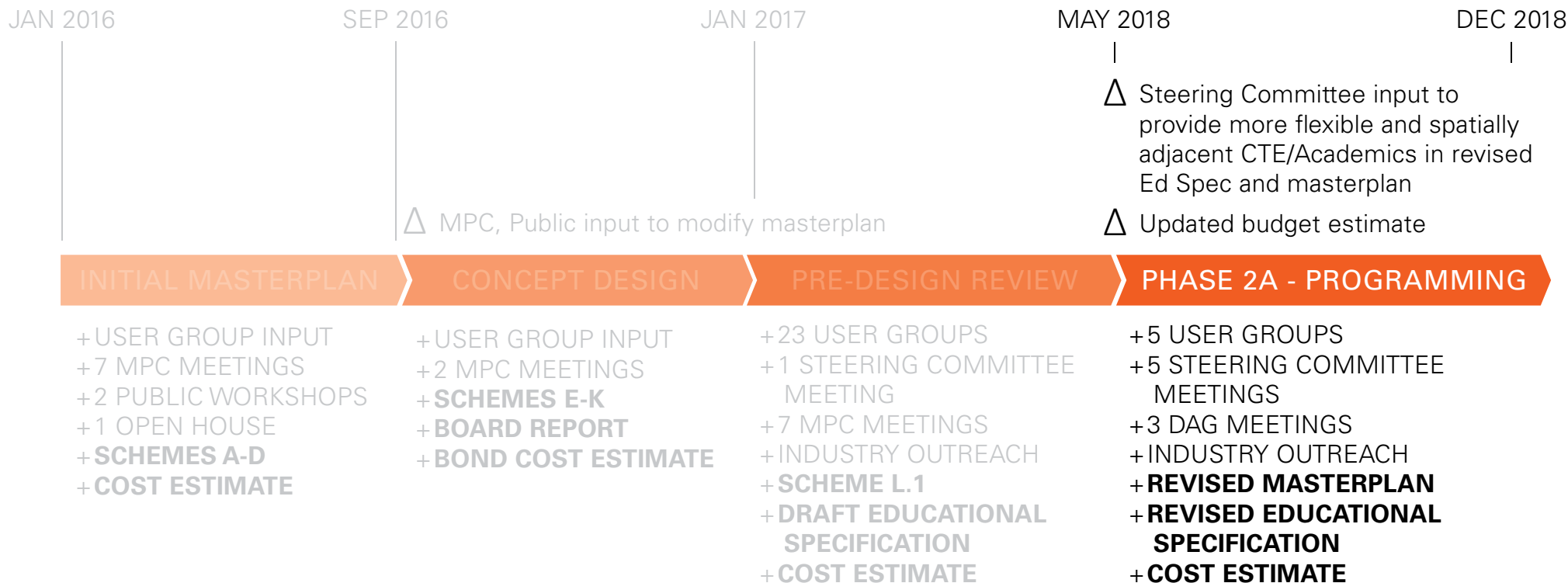
INDUSTRY OUTREACH /

COMPLETED 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



BENSON TECH MODERNIZATION PROCESS /



EDUCATIONAL SPECIFICATIONS /

DEFINITION

Educational specifications are a set of building design characteristics that establish the ways the facilities support programs and curriculum.

The comprehensive ed spec establishes a baseline of equitable facilities standards for school construction efforts across PPS.

At Benson Polytechnic High School, an adapted site specific ed spec is required to define the unique needs of the Career Technical Education (CTE) and focus option aspects of the program, in addition to the comprehensive program requirements.



EDUCATIONAL SPECIFICATIONS /



Education Specifications (Comprehensive High Schools)



Portland Public Schools | Portland, Oregon
Revised December, 2015

Focus Option Educational Specification
Benson Polytechnic High School
July 31, 2017



bassetti
architects



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*This BPHS Focus Option Educational Specification room data sheets provide information about spaces that are unique or specific to the Benson Polytechnic program. For spaces that are listed in the program summary and not included here, refer to the PPS Comprehensive High School Education Specification for information.

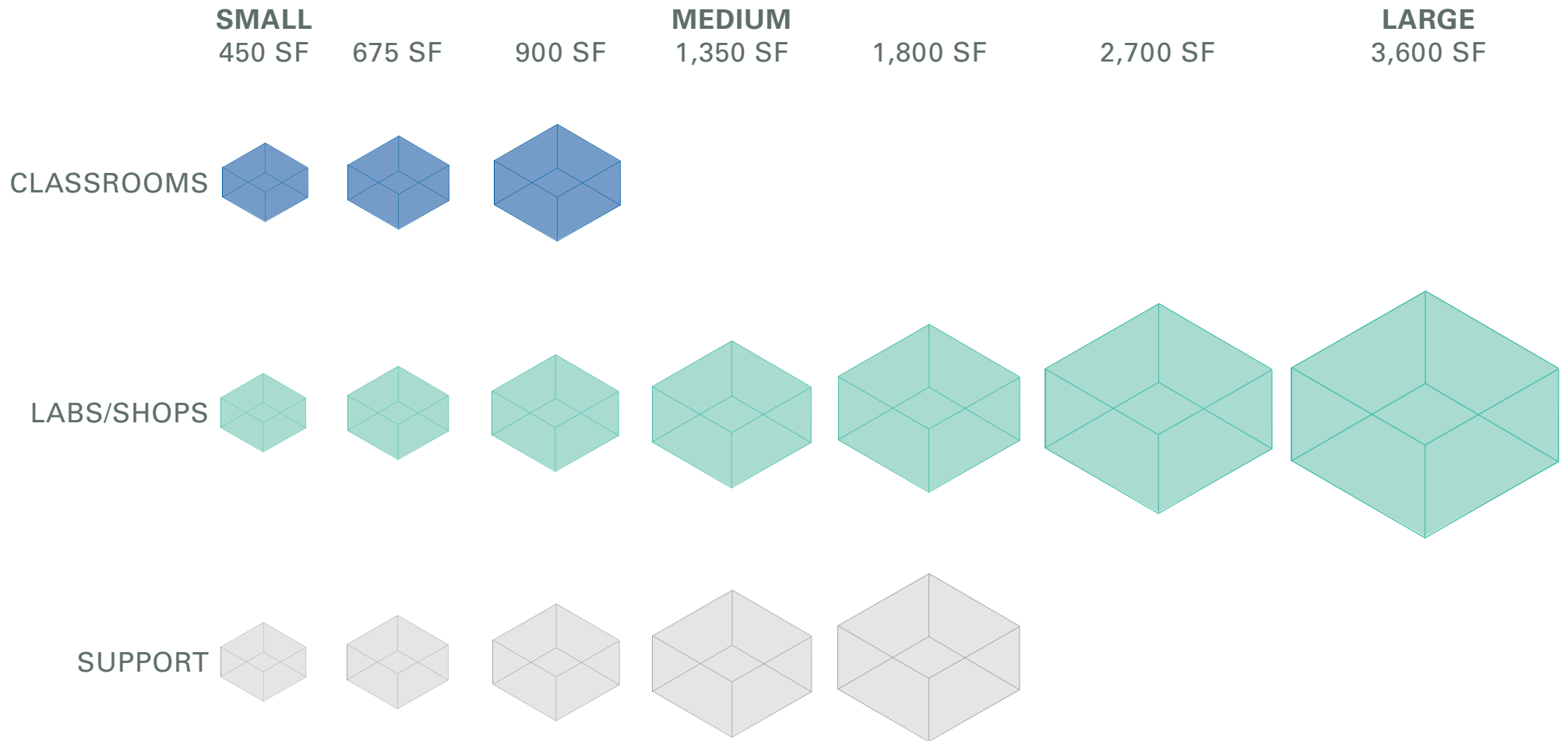
STEERING COMMITTEE ED SPEC GOALS /

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



Salem-Keizer Career Technical Education Center (CTEC)

ED SPEC UPDATE / PROGRAM COMPONENT SIZES

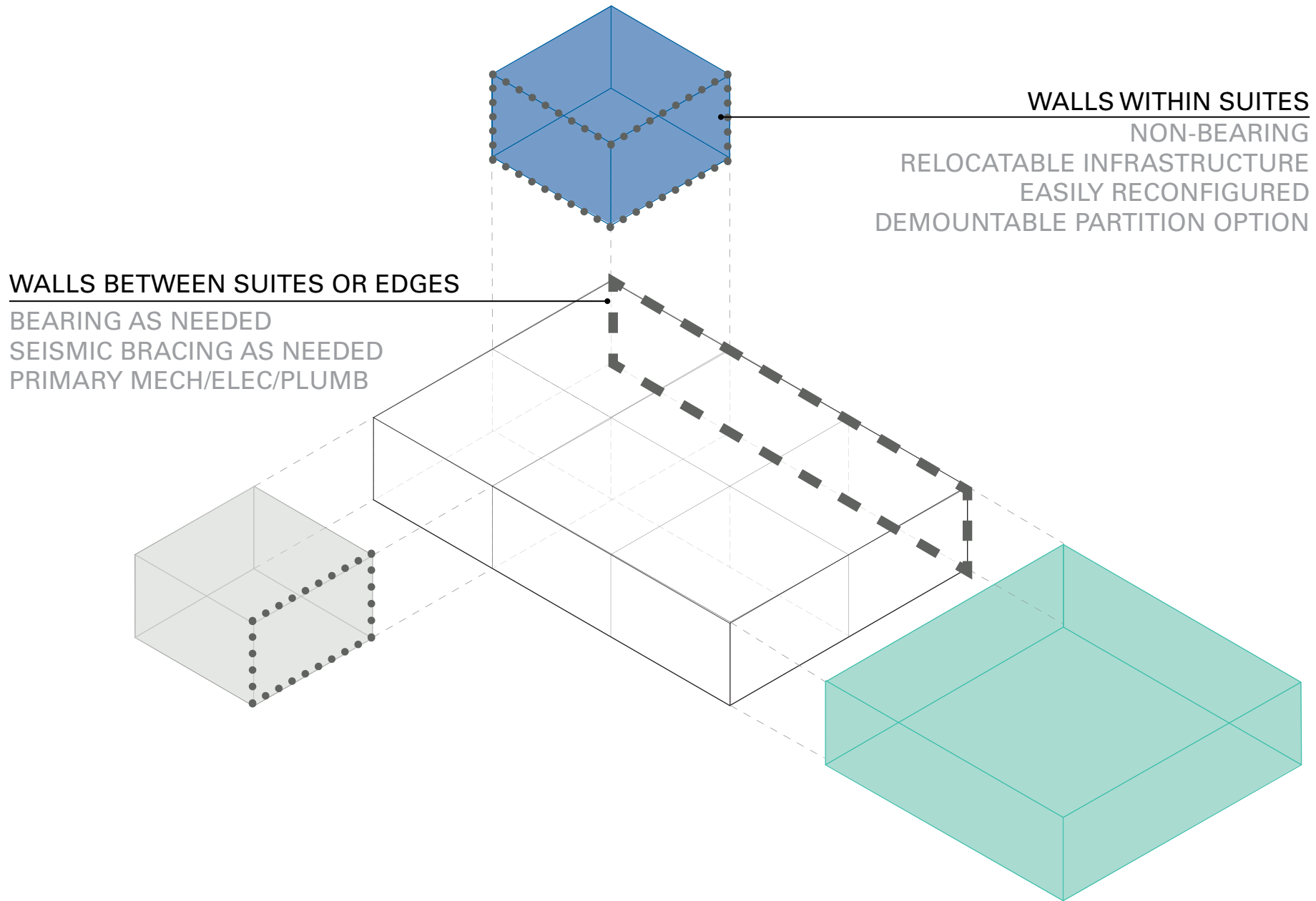


STEERING COMMITTEE ED SPEC GOALS /

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



Salem-Keizer Career Technical Education Center (CTEC)



STEERING COMMITTEE ED SPEC GOALS /

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

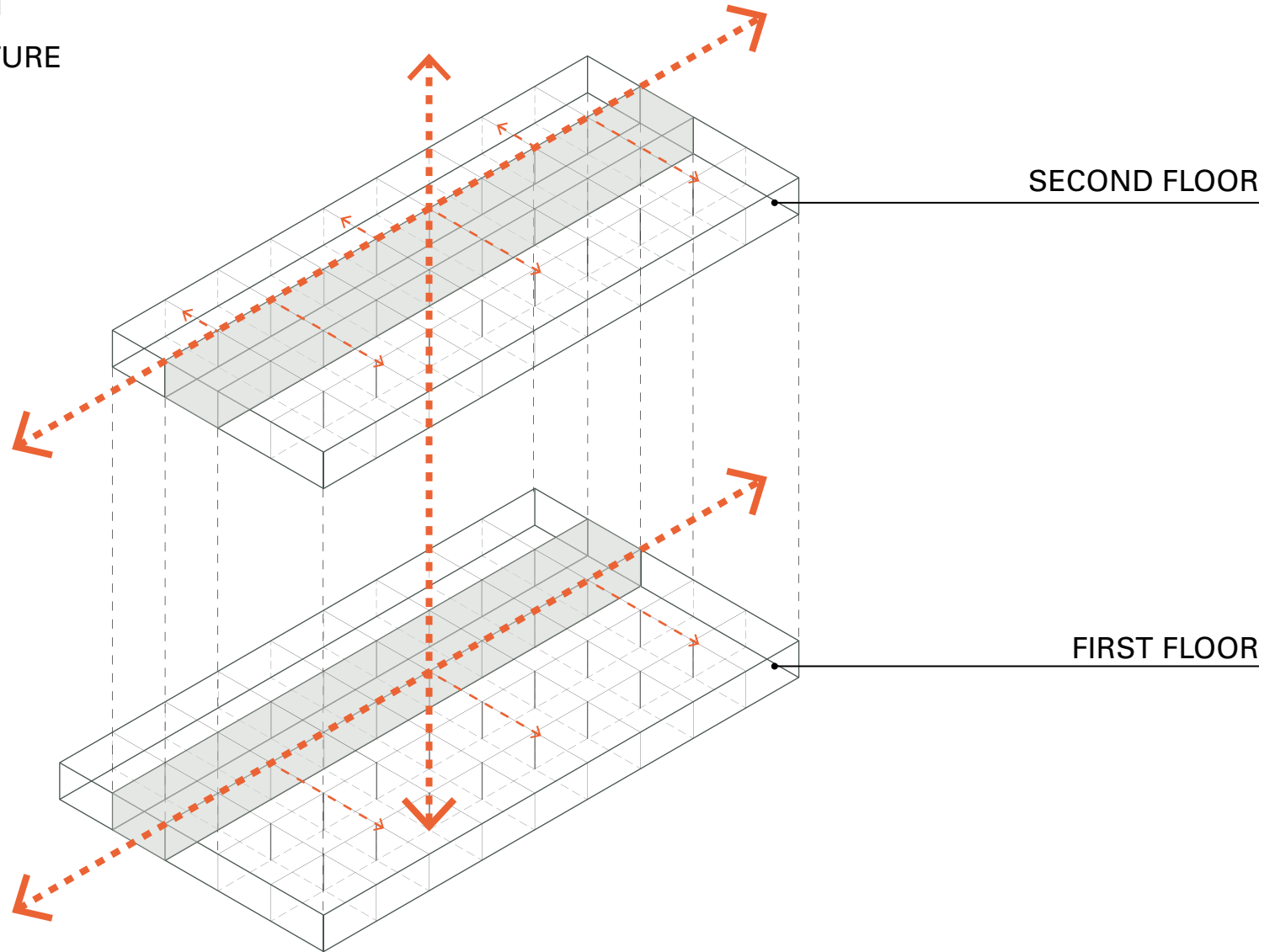


Clark College STEM Building

ED SPEC UPDATE / DESIGNING FOR FLEXIBILITY

○ CIRCULATION / SUPPORT

--> SYSTEMS INFRASTRUCTURE



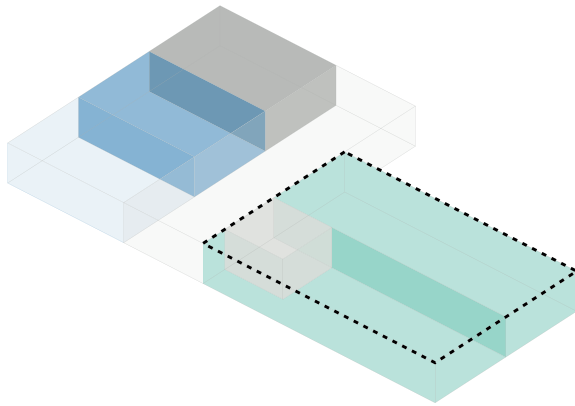
STEERING COMMITTEE ED SPEC GOALS /

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

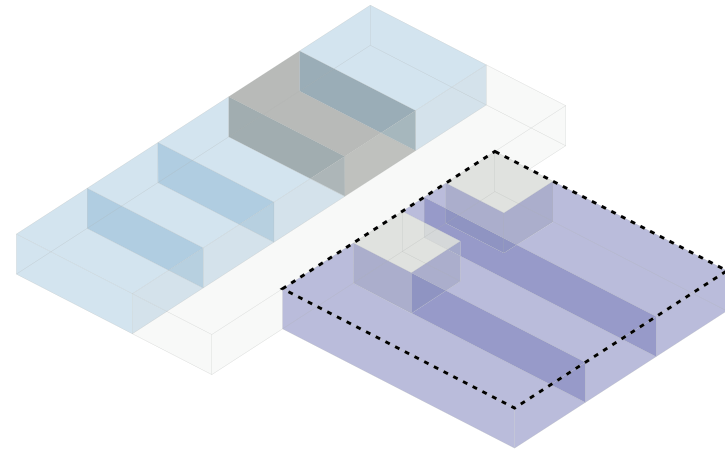


Raisbeck Aviation High School

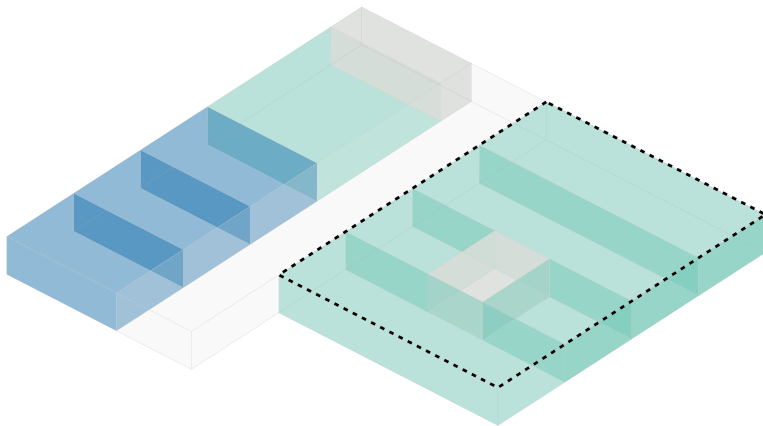
ED SPEC UPDATE / SUITE DEVELOPMENT



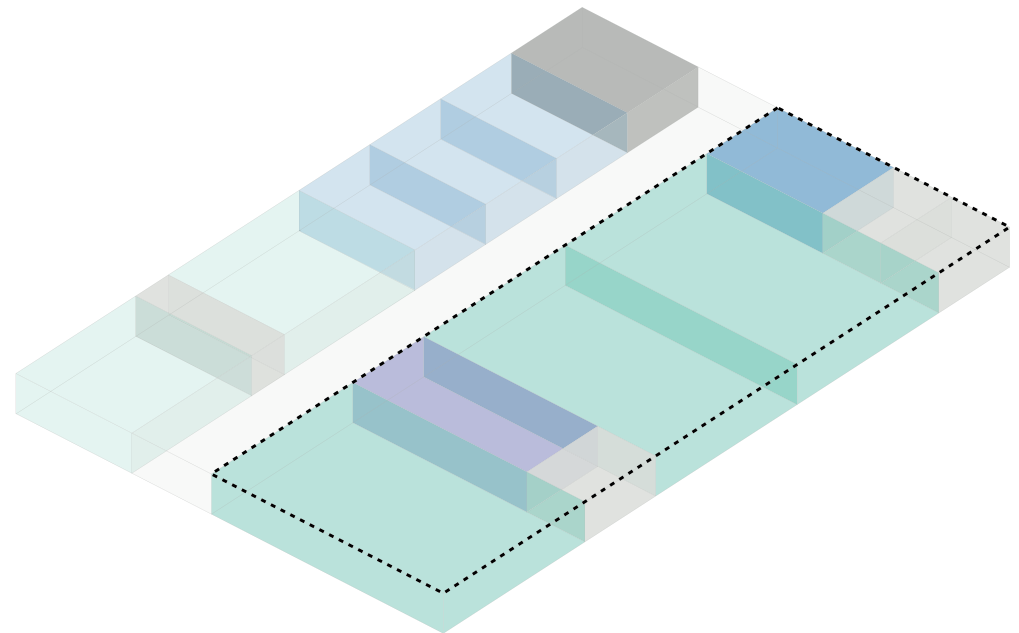
SUITE TYPE A
3,600 SF



SUITE TYPE B
5,400 SF



SUITE TYPE C
7,200 SF



SUITE TYPE D
14,400 SF

STEERING COMMITTEE ED SPEC GOALS /

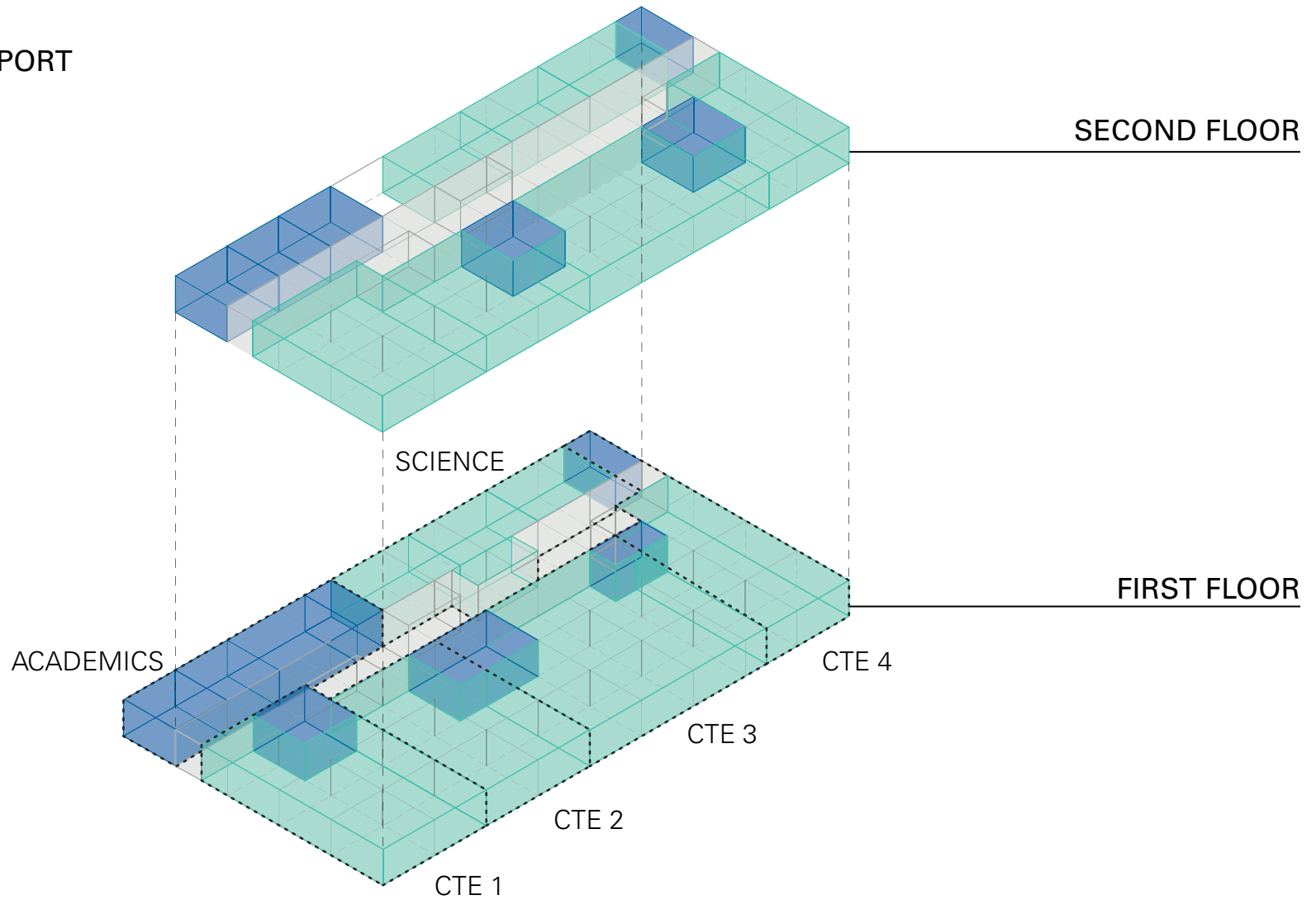
Provide **spatial adjacencies** which **enable collaboration** between CTE and Academic spaces.



Raisbeck Aviation High School

ED SPEC UPDATE / PROGRAM COMPONENTS

- CLASSROOMS
- LABS / SHOPS
- CIRCULATION / SUPPORT



BUDGET CONSIDERATIONS / DEFINING THE BUDGET



CONSTRUCTION COST

- + Benson Program Requirements (+/- 368,000 SF)
- + Environmental Health and Safety
- + Seismic Upgrades
- + Energy Code Upgrades
- + ADA
- + HVAC
- + Security / Safety
- + Off-Site Improvements Contingency
- + Design & Estimating Contingency
- + GMP Contingency
- + General Conditions
- + Bonds, Insurance, Overhead & Profit
- + Escalation

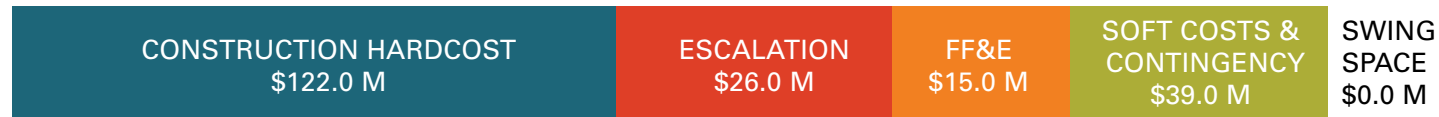
SOFT COST (Outside of Construction Cost)

- + Swing Space / Temp. Facilities / Phased Construction
- + Fixtures, Furniture and Equipment (FF&E)
- + Design & Permitting



BUDGET OVERVIEW /

ORIGINAL BOND BUDGET \$202.0 M



UPDATED ESTIMATE \$269.3 M



QUESTIONS?

SITE ANALYSIS / GROUP ACTIVITY

SITE ANALYSIS ACTIVITY /

5 min

Overview

- +Breakout into groups of 10
- +Provide input on existing site - features and aspects that you like, other aspects that need improvement.
- +Review current masterplan and provide input on how this is responding to aspects identified on existing site.

30 min

Activity and Discussion

SITE ANALYSIS ACTIVITY /



DISCUSSION /

PUBLIC COMMENT /

THANK YOU. / NEXT MEETING: NOVEMBER 1 @ 6:00PM