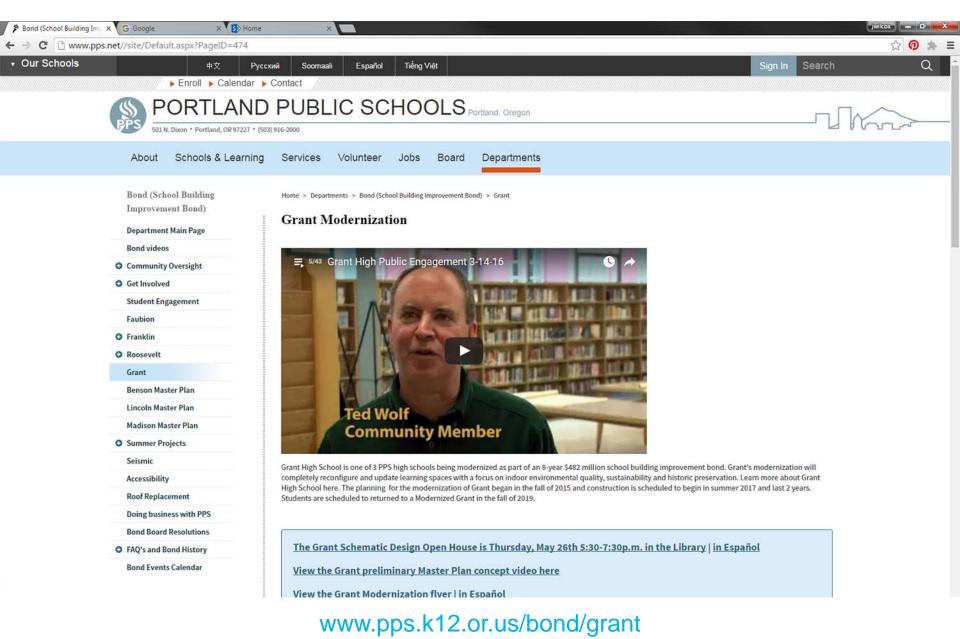
mahlum

Schematic Design OPEN HOUSE Grant High School Modernization 05.26.16





Grant Bond Website



Today's Agenda

Project Overview Listening Stations

Project Overview

Team Introductions Process & Schedule SDWS 1 Shareback SDWS 2 Shareback Schematic Design Development Overview of Today's Listening Stations

Project Overview

Team Introductions

Process & Schedule SDWS 1 Shareback SDWS 2 Shareback Schematic Design Development Overview of Today's Listening Stations

Portland Public Schools

- :: Michelle Chariton, Project Director
- :: Kristie Moore, Project Coordinator

Design Advisory Group (DAG)

:: Carol Campbell, DAG Chair Elect:: Abby Williams, DAG Co-Chair Elect:: Pam Knowles, Elected Official

Andersen Colas Construction (CM/GC)

- :: Andrew Colas, Project Executive
- :: Erin Storlie, Sr. Project Manager
- :: Marc-Daniel Domond, Project Manager
- :: Emily Hager, Sr. Estimator
- :: Dan Bott, Sr. Superintendent

Design Team

- :: Mahlum, Prime Architect
- :: Mayer/Reed, Landscape Architect
- :: Balheizer & Hubbard, Civil Engineering
- :: KPFF, Structural Engineering
- :: Interface, Mechanical, Electrical, Plumbing, Security
- :: Peter Meijer Architects, Historic Preservation Architect
- :: PLA, Theater Design
- :: Halliday, Nutritional Services
- :: Greenbusch, Acoustics, Audio/Video, Vertical Transportation
- :: Morrison Hershfield, Envelope Consultant
- :: Karen Braitmayer, Accessibility Design
- :: Angelo Planning Group, Land Use Planning
- :: Rider Levett Bucknall, Cost Estimation
- :: APEX, Environmental Consultant

PM 6:49 APR/28/2016

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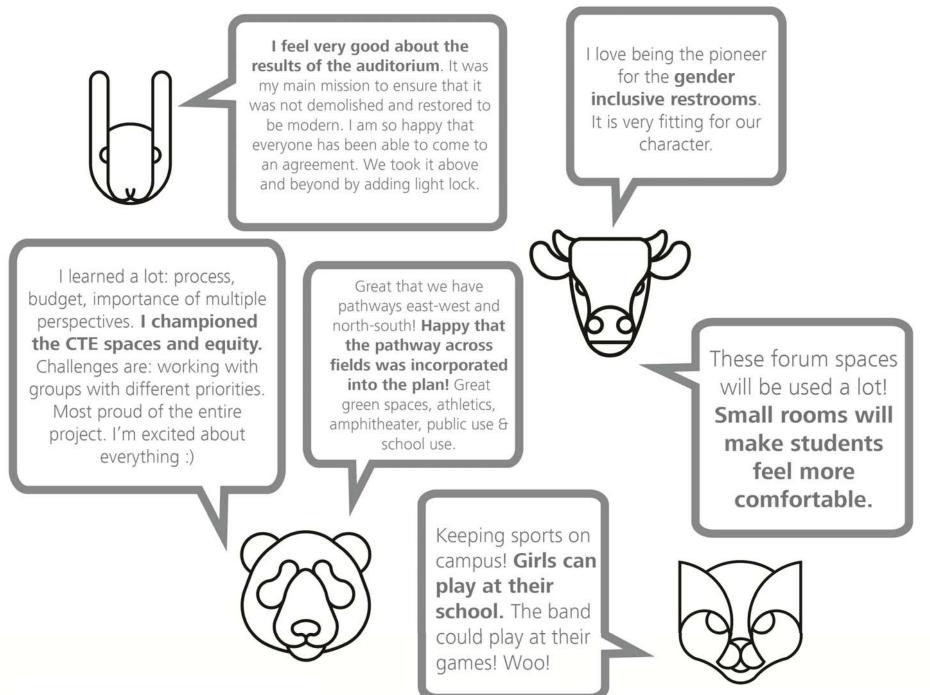
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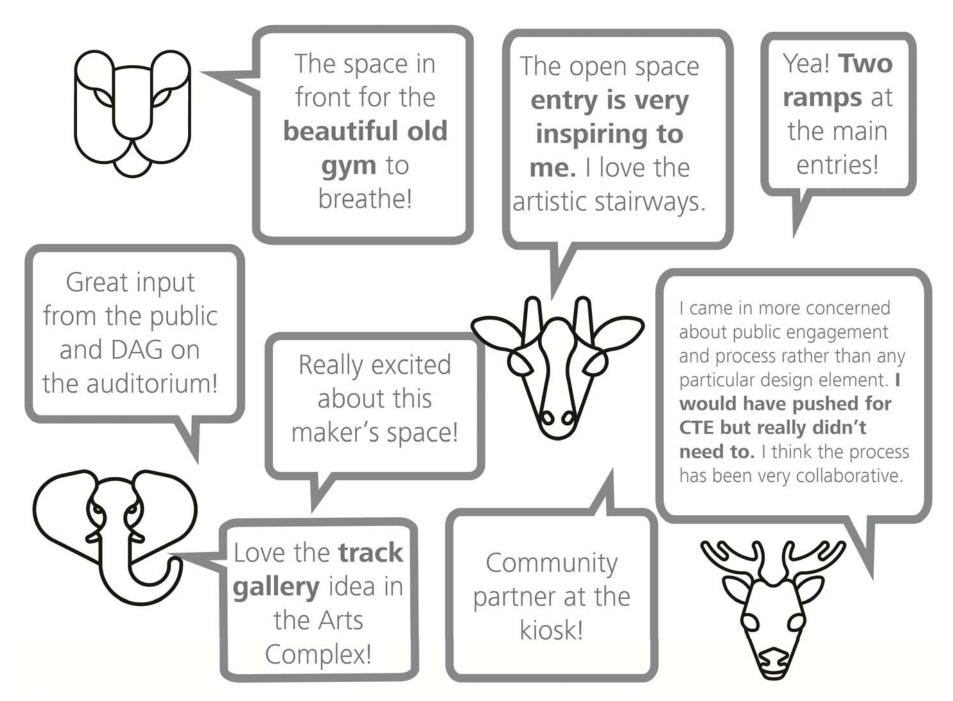
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DAG



Icons created by Tanya Magdieva via the Noun Project



SCHEMATIC DESIGN OPEN HOUSE

How have you positively impacted the modernization of Grant High School?

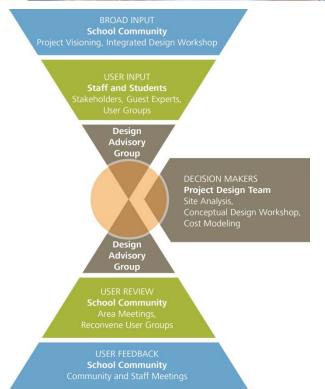


Project Overview

Team Introductions **Process & Schedule** SDWS 1 Shareback SDWS 2 Shareback Schematic Design Development Overview of Today's Listening Stations



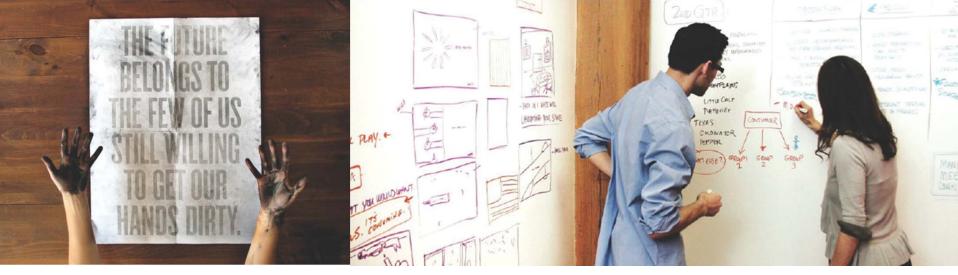
Contributing Voices **PPS Board of Education Stakeholder Cohorts Design Advisory Group Guest Experts Students Parents Community**





Stakeholder/DAG/Community Input to Date

- 47 Stakeholder & All Staff Meetings
 - 9 DAG Meetings
 - 5 Community Workshops/Open House (average 100+)
 - + Countless Student Engagement Events
 - + PTA & Board Meetings
 - + School Tours



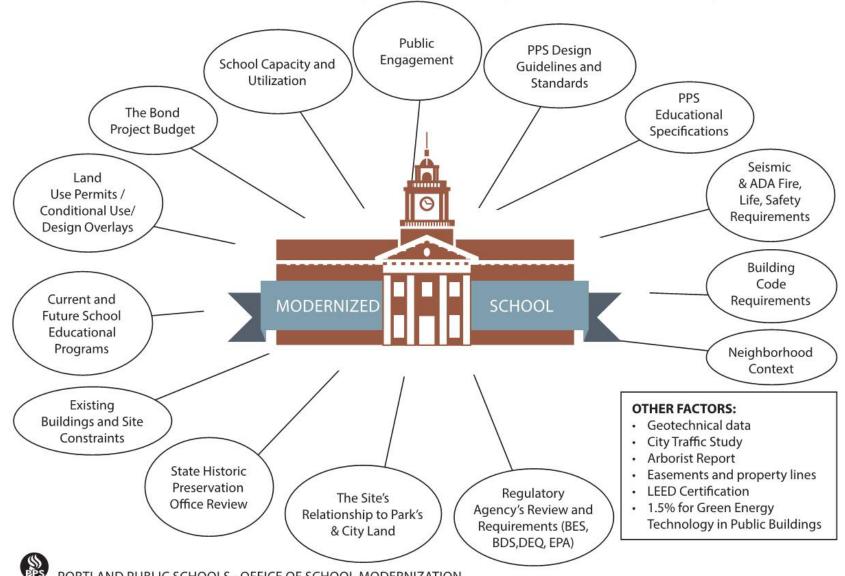
Schedule

DAG 01	Sep 09
DAG 02	Sep 24
DAG 03	Oct 08
School Tours	Oct 23
MP Workshop 1*	Oct 24
DAG 04	Nov 05
MP Workshop 2*	Nov 07
DAG 05	Nov 19
MP Open House*	Dec 03

S.I.B.C. Meeting	Dec 08
School Board	Dec 15
DAG 06	Dec 16
SD Workshop 1*	Jan 09
DAG 07	Jan 21
DAG 08	Mar 03
DAG Thank You	Mar 04
SD Workshop 2*	Mar 05
DAG 09	Apr 28
SD Open House*	May 26

*Community Focused Meetings

Additional Factors Influencing Design



PORTLAND PUBLIC SCHOOLS • OFFICE OF SCHOOL MODERNIZATION

Budget

Construction

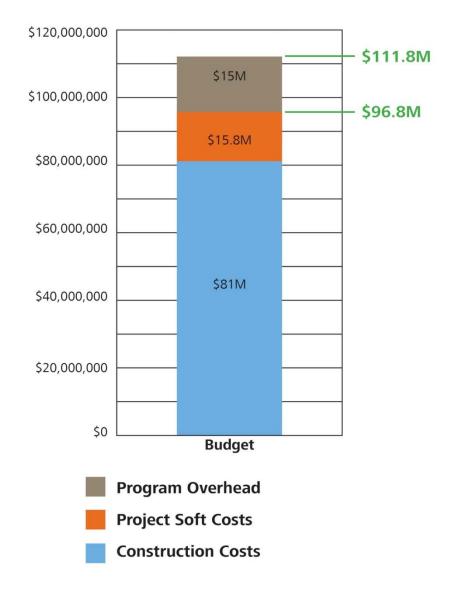
Historic preservation Modernization "Sticks & Bricks" Site improvements Offsite improvements Design contingency Hazmat removal

Project "soft costs"

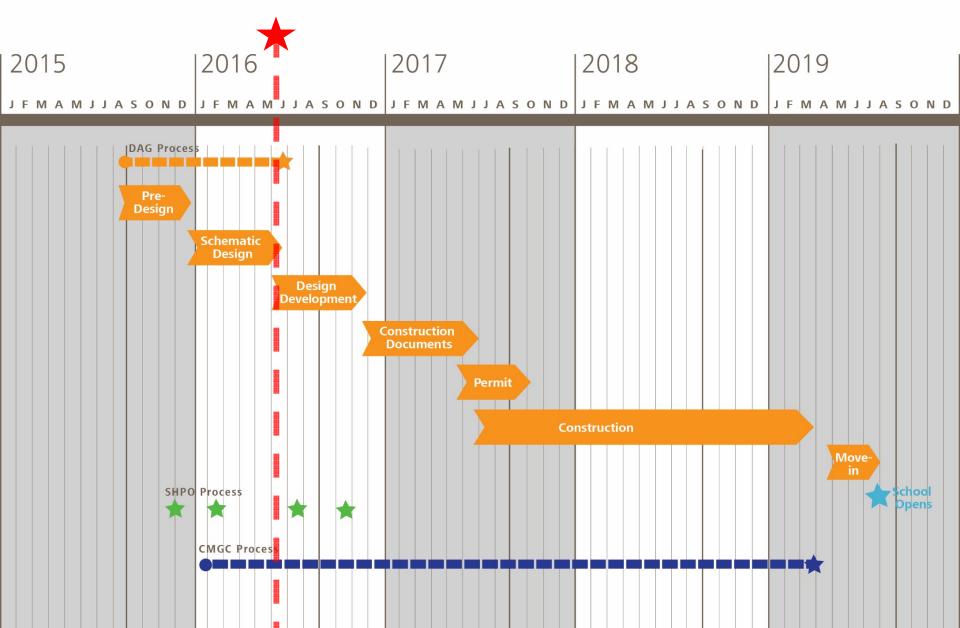
New furniture and equipment Classroom technology Network and phones Professional services Permit and utility fees

Program cost

Escalation Project contingency Project management Owner held insurance



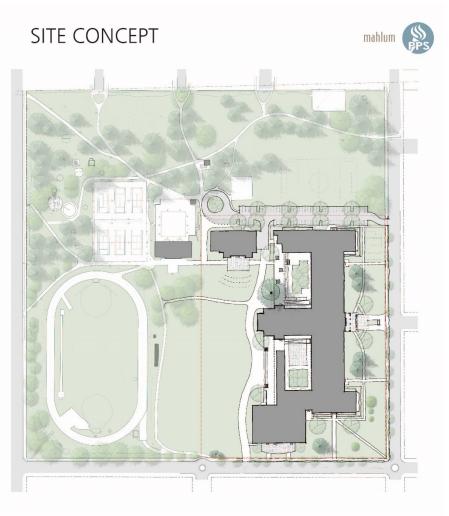
Project Schedule



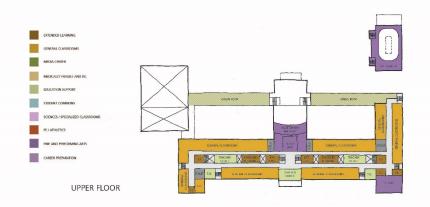
Project Overview

Team Introductions Process & Schedule SDWS 1 Shareback SDWS 2 Shareback Schematic Design Development Overview of Today's Listening Stations

Group Activity 01



BUILDING CONCEPT AND MASSING mahlum





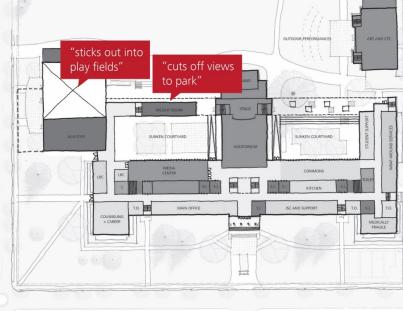


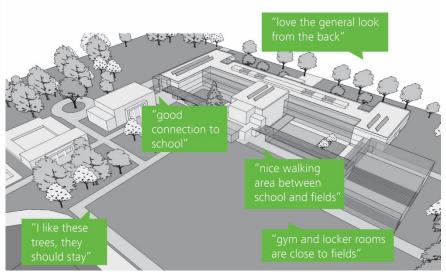
Negative Aspect & Why? What do you want to know more about?



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Group Activity 02

Design Advisory Group Mission



The Grant High School modernization will result in an inclusive learning environment that fosters strong, productive relationships among students, teachers, and the community through inspiring, flexible spaces that honor the history while supporting students' success in college, career, and life.

From Broad Goals to Actionable Items

Use this goal and the masterplan concept to generate 3-5 specific features, activities, or programs. If we were to achieve this statement, what would the school look like? How would Grant operate?



Sustain a student-centered approach, where all learners feel connected by celebrating diversity and inclusion



SCHEMATIC DESIGN WORKSHOP 1

Design Advisory Group Goals

Together, the DAG prioritized their top ten goals from a bucket of about 200. From there, the community added their comments and ranked these from one to ten, and stakeholders voted. Here are the results based on the average.

Sustain a student-centered approach, where all learners feel connected by celebrating diversity and inclusion

Design a building to inspire learning, to serve as a place of possibility

Support the educational mission of Grant with a variety of flexible study & project spaces that anticipate future needs

Accommodate diverse teaching & learning styles to facilitate strong relationships

Create state-of-the-art facilities for all disciplines *

Focus on college and career readiness, preparing students to enter the workforce as positive contributors of society

Blend indoor and outdoor spaces to enhance quality of learning environment and deepen our connection to nature

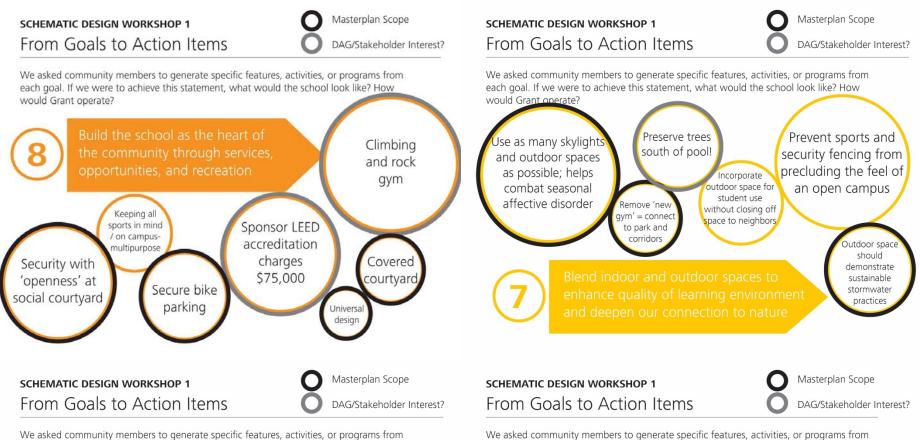
Build the school as the heart of the community through services, opportunities, and recreation

Provide a variety of spaces to gather, eat, and hangout throughout the campus

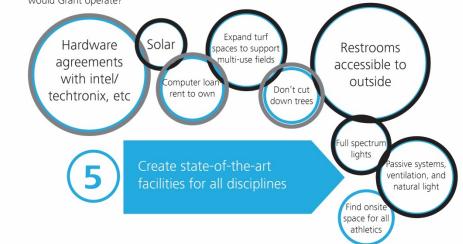
Honor the rich history of Grant by preserving architecturally and culturally significant features

At the top, all agreed that the school should be student centered, inspiring, celebrating diversity and inclusion. *Stakeholders felt strongly that all disciplines should have state-of-the art facilities.





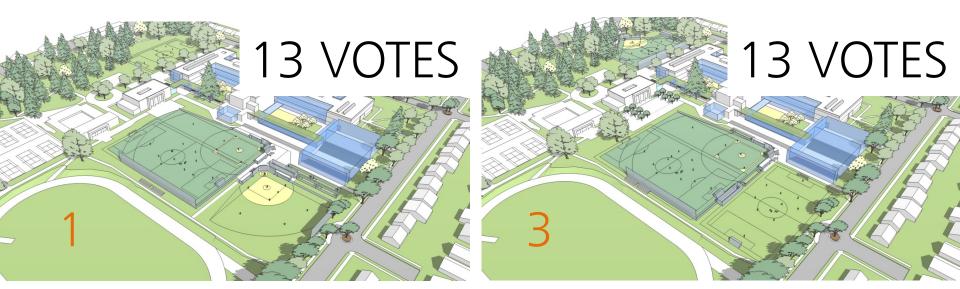
We asked community members to generate specific features, activities, or programs from each goal. If we were to achieve this statement, what would the school look like? How would Grant operate?



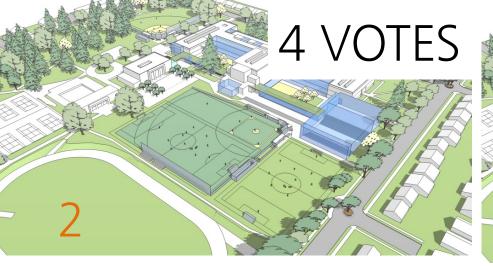
each goal. If we were to achieve this statement, what would the school look like? How would Grant operate?



Group Activity 03



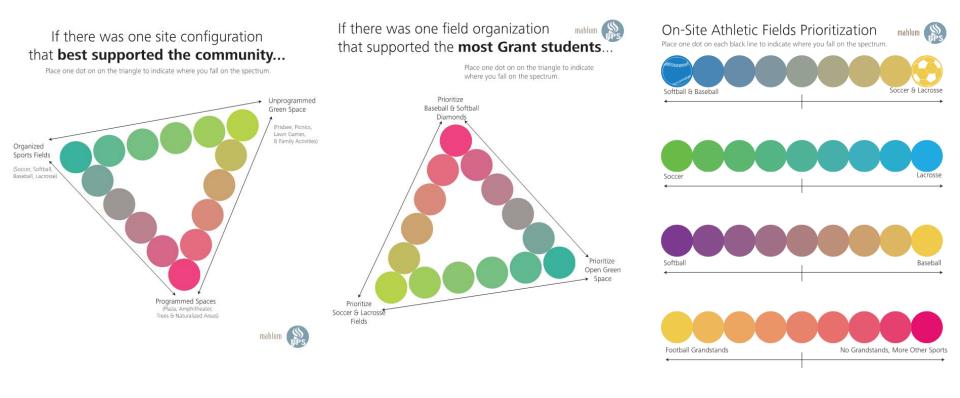
14 VOTES





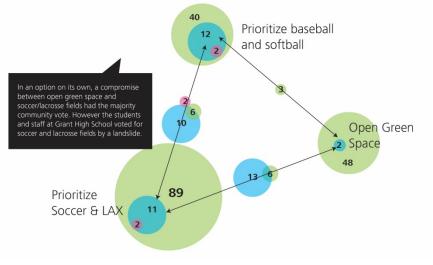


Group Activity 04

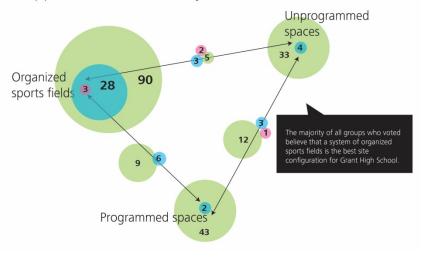


If there was one **field organization** that

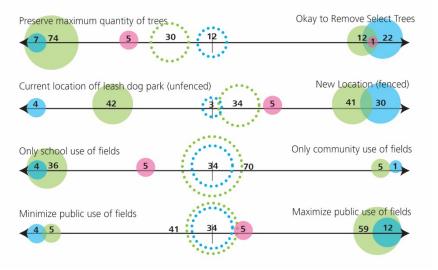
supported the most Grant students...



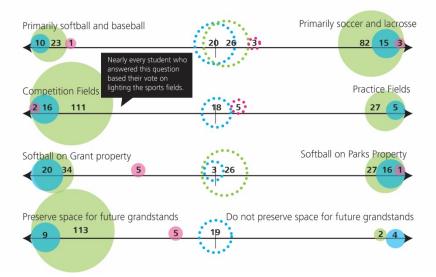
If there was one **site configuration** that best supported the community...



Parks Partnership Prioritization



On Site Athletic Fields Prioritization



Project Overview

Team Introductions Process & Schedule SDWS 1 Shareback SDWS 2 Shareback Schematic Design Development Overview of Today's Listening Stations

Group Activity 01

Exterior: Site & Courtyards



Take a minute to empathize with your assigned Persona. Now react as you would as this student. How are you thinking and feeling about the environment before you? What are some challenges and opportunities you may face? What do you care about most?



Exterior: Building Facade



Take a minute to empathize with your assigned Persona. Now react as you would as this student. How are you thinking and feeling about the environment before you? What are some challenges and opportunities you may face? What do you care about most?



Interior: Performing Arts

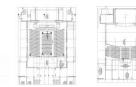


Take a minute to empathize with your assigned Persona. Now react as you would as this student. How are you thinking and feeling about the environment before you? What are some challenges and opportunities you may face? What do you care about most?

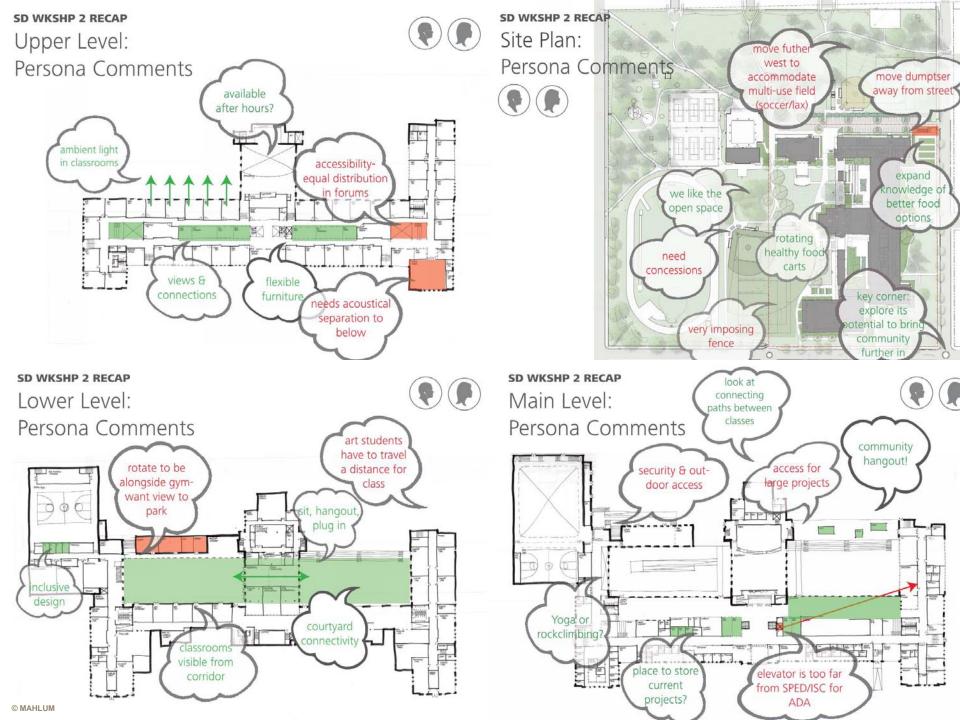


What We Heard

- Dance prefers to be in performing art space rather than near athletics - Maintain existing choir room
- Provide ADA access to auditorium
- Provide light and sound lock for auditorium
 Theater classroom needs to share support space with auditorium
- Ineater classroom needs to share support space
 Practice rooms could double as dressing rooms
- Make-up area could be in theater corridor w. separate dressing areas
- Audio engineering overlooks auditorium Drama & dance classrooms can be used as performance spaces
- Acoustical separation between performance spaces is critical



Project Investigation Based on your Persona



Group Activity 02

Team Arts/Music/Humanities Industry malum (Section 2017)

Things to Consider

Event Toolbox

Sustainability Summit Fairs

Grantasia

Hack-a-thon

Code-a-thon

Pop-up shops

Farmers Market

24 hour charrette

Robotics Competition

+ Who is your target audience?

+ Which spaces would you utilize?

+ Think about different disciplines' involvement: how

are you showcasing the diverse programs at Grant?

+ What audio-visual and technology do you need?

+ How might the day be documented or recorded?

Displays

Demonstration

Performance

Presentation

Promotion

Publication

Feature

Seminar

Workshop

Roundtable

Conference

Mock-Events

Assembly

+ What is missing for your event to be successful?

Convention

Tournament

Fiesta

Feasts

Field Day

Festival

Farm To Table



Group Activity Two: 45 minutes.



Your team's focus is on creating a large gathering at the new Grant High School. Together, using your knowledge of the region's resources, organizations, and trends, help us understand what would be a memorable event, or series of events, to celebrate Arts, Music and Humanities that integrates the entire student body (1700).

Draw on the site and floorplans to indicate places, flow of people and materials, event layout and any other tools or spaces you may need to support the event.

Title of the Event:

What will catch people's attention?

Duration/Season/Timing:

When would be the optimal timing?

Purpose:

What is the intention of day/week?

Disciplines:

Who is doing what? Locate them on the site & floorplans.

Design a Major Event

Team Science/Engineering Industry

Group Activity Two: 45 minutes.

You are in charge of designing a Grant High School.



Team Trades/Crafts/Maker Industry

Group Activity Two: 45 minutes

You are in charge of designing a major city-wide event at the new Grant High School.

Team Entrepreneurs/Marketing Industry

Group Activity Two: 45 minutes.

Team "Other" Industry

Group Activity Two: 45 minutes.

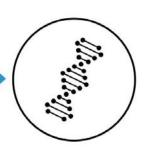




SD WKSHP 2 RECAP Design a Major Event

STEMTASIA

brought to you by: Team Science & Engineering



CONCEPT Spring School year in Jan or May: Fri afternoon - Sunday

 PURPOSE
 Culminate work done, practice and create new

 cooperative work, integrate family, create alliance

 between student and businesses (internships), continuing

 education in research & innovation

ACTIVITIES Hack-a-thon model: mixed student + expert teams are given an inquiry/problem solving statement, such as 'global warming,' teams compete to generate solutions, raise awareness, connect ideas to real world issues sd wkshp 2 RECAP Design a Major Event

Generals are Dreamers



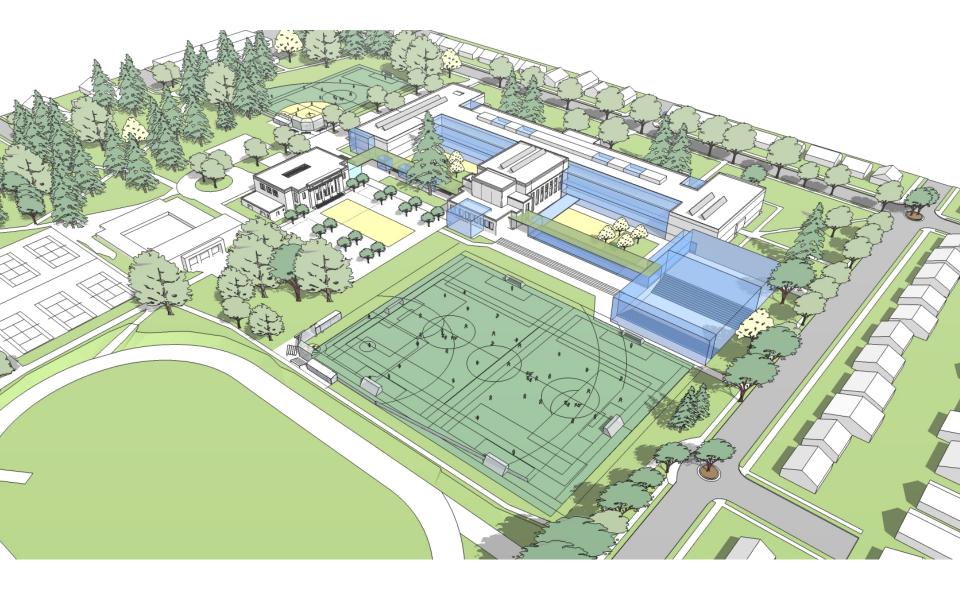
CONCEPT Fall 2019 Grand Opening of the new Grant High School
 PURPOSE Introduce the new modern high school as a place to inspire students, teachers, and community and to cultivate design thinking, innovation inquiry and creativity.
 ACTIVITIES All disciplines will be involved, from lectures to workshops, demonstrations on how the building operates to inspire, support learning, making and creating.

Project Overview

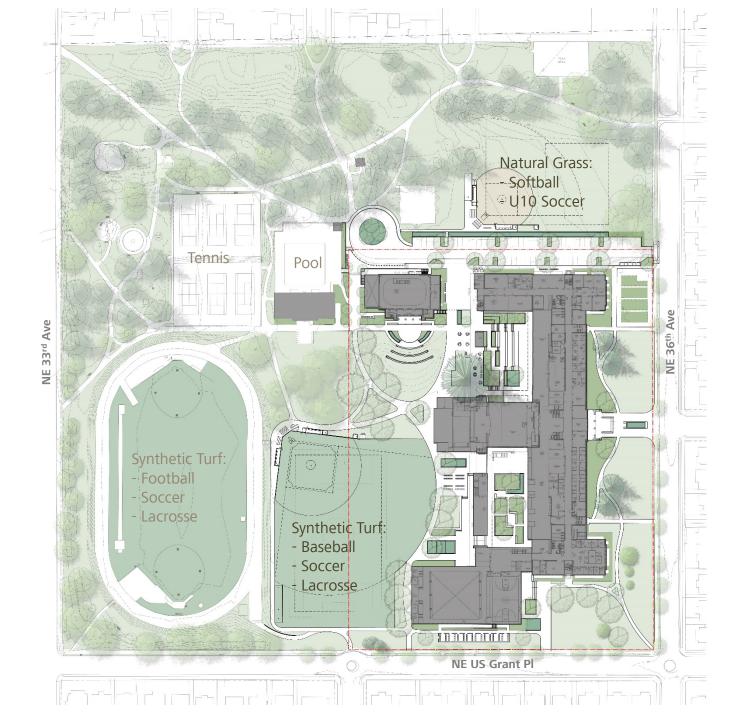
Team Introductions Process & Schedule SDWS 1 Shareback SDWS 2 Shareback Schematic Design Development Overview of Today's Listening Stations

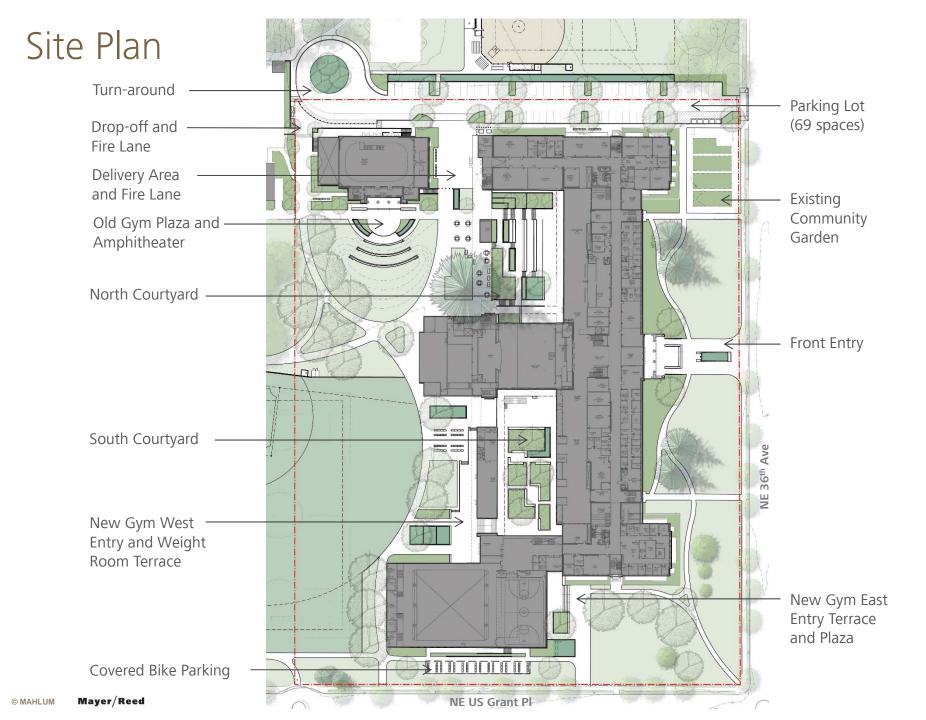
Schematic Design Development :: Site

Master Plan :: Site Concept



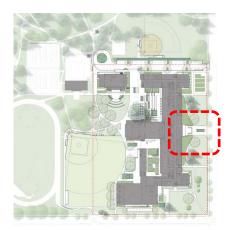
Schematic Design :: Site Concept

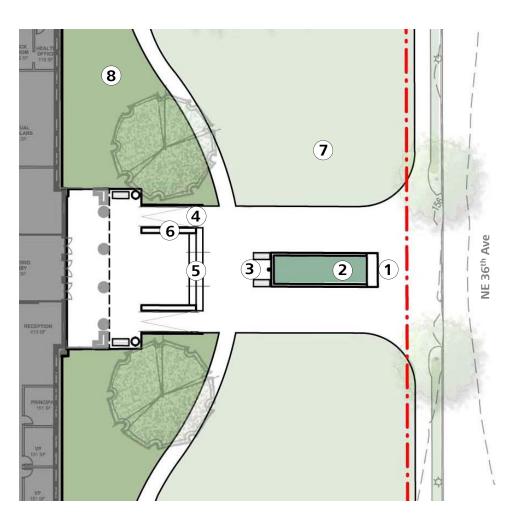




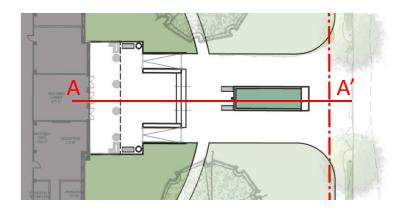
Main Entry

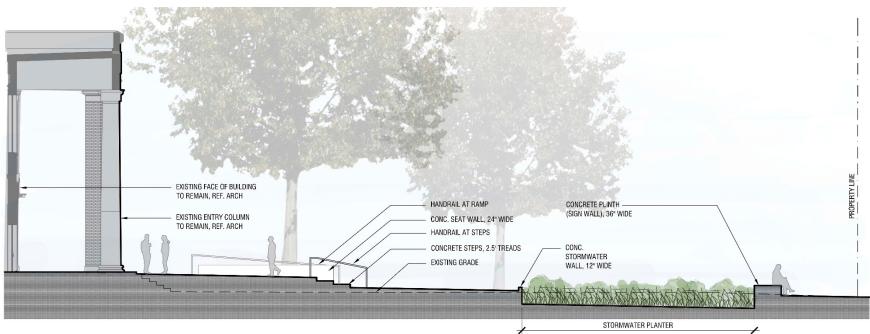
- 1 Wide Seat Wall / Sign Wall
- 2 Stormwater Planter
- **3** Memorial Benches and Flagpole
- 4 Ramp
- 5 Steps
- 6 Seat Wall
- 7 Lawn
- 8 Shrubs





Main Entry



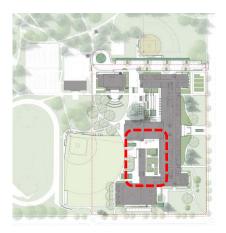


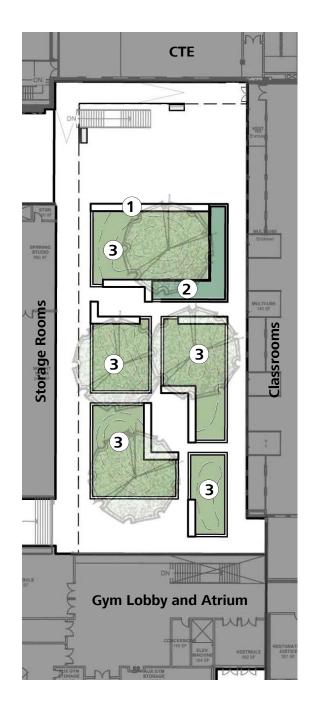
Α

A'

South Courtyard

- 1 Wide Seat Wall
- 2 Stormwater Planter
- **3 Vegetated Mounds**



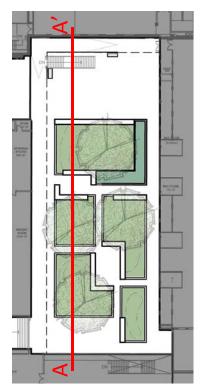


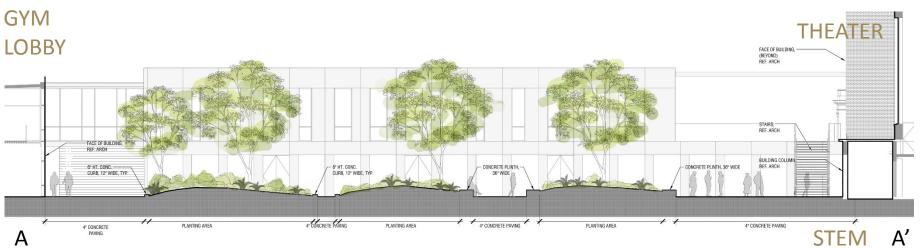
South Courtyard



B

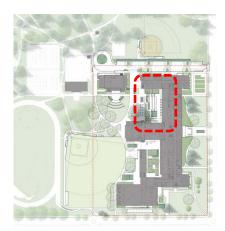
South Courtyard

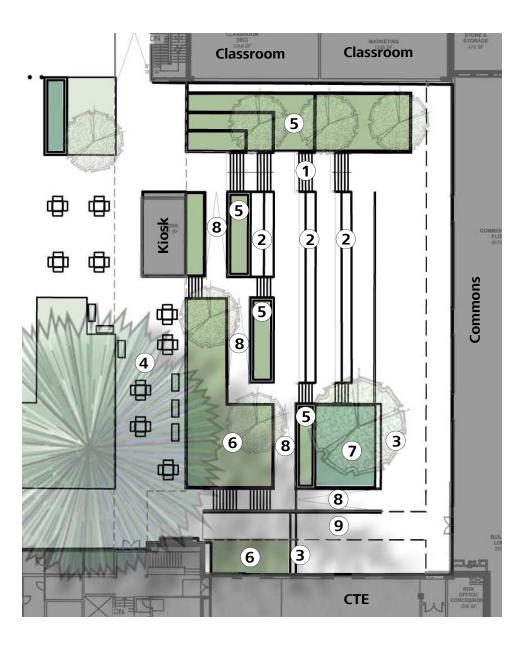




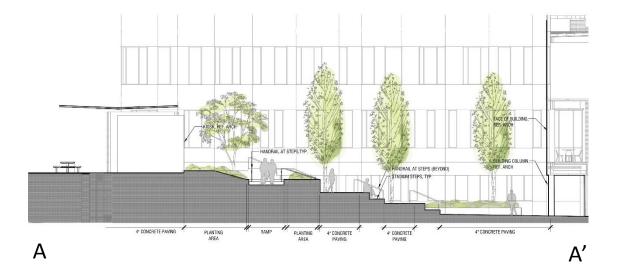
North Courtyard

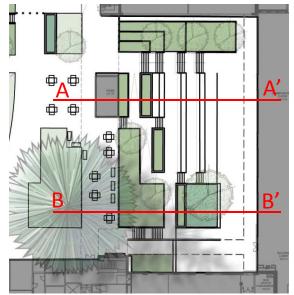
- 1 Steps
- 2 Stadium Seating
- 3 Seat Wall
- 4 Fixed Seating
- 5 Raised Planter
- 6 Sloped Planting Area
- 7 Stormwater Planter
- 8 Ramp
- 9 Ramp (overhead)

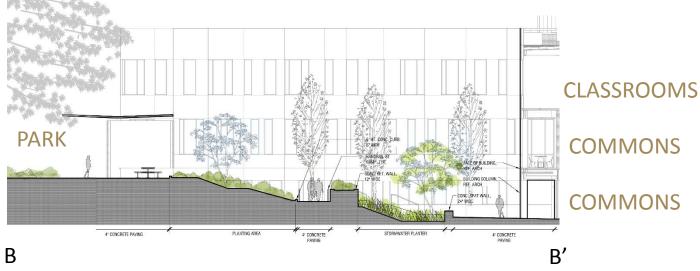




North Courtyard

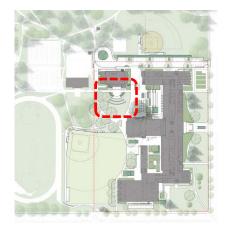


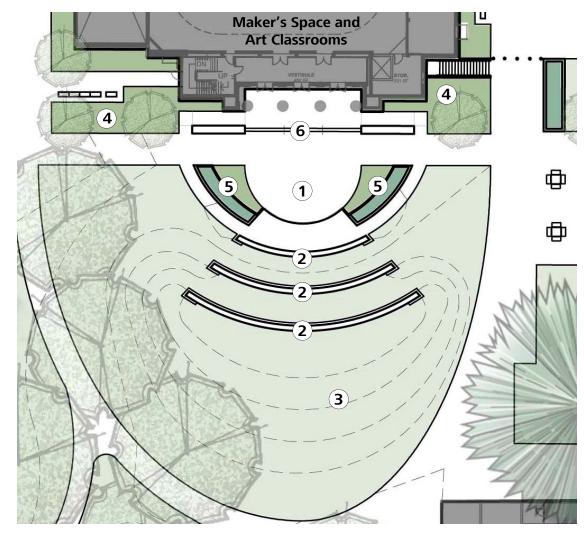




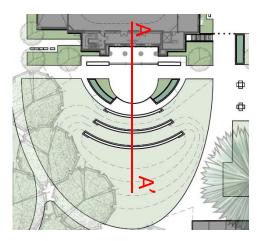
Art Complex Amphitheater

- 1 Stage
- 2 Seat Wall
- 3 Sloped Lawn
- 4 Shrubs
- 5 Shrub Planting, Stormwater Planter, and Sloped Walk
- 6 Ramps, Steps, and Seat Walls



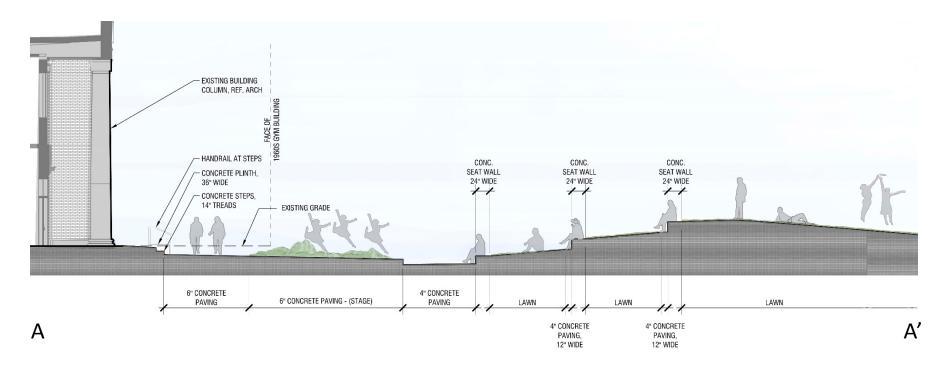


Art Complex Amphitheater



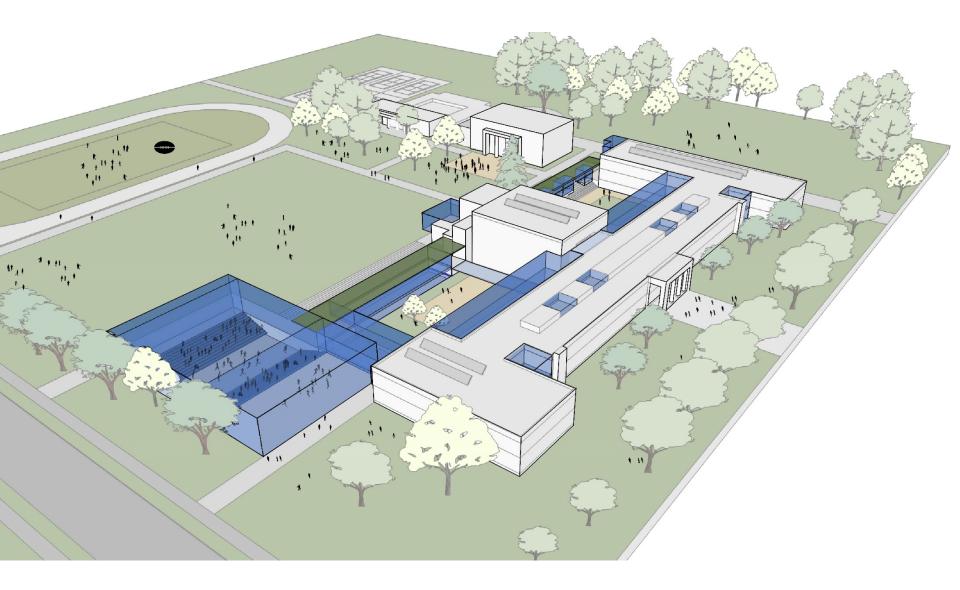


Concordia University Amphitheater



Schematic Design Development :: Building

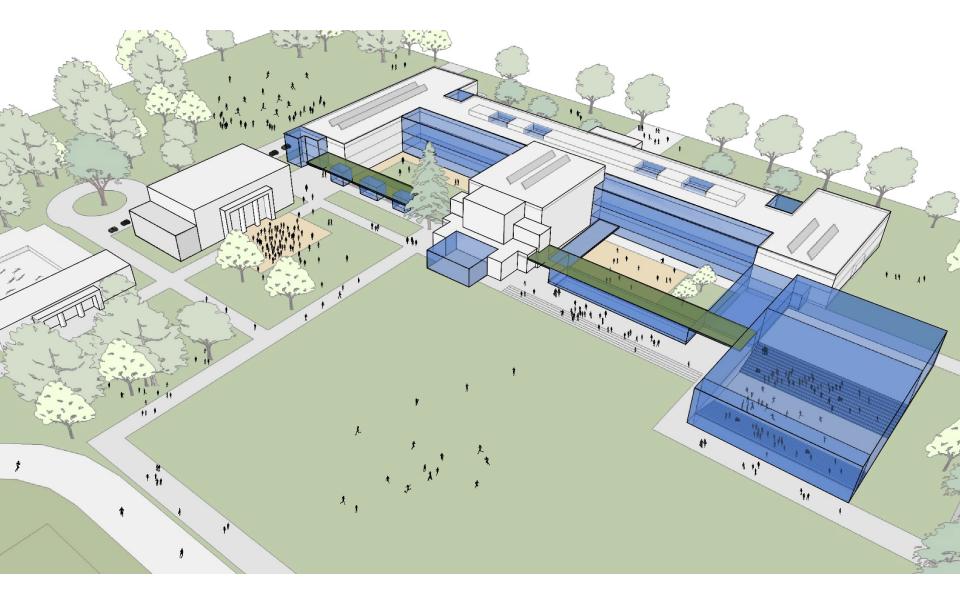
Master Plan



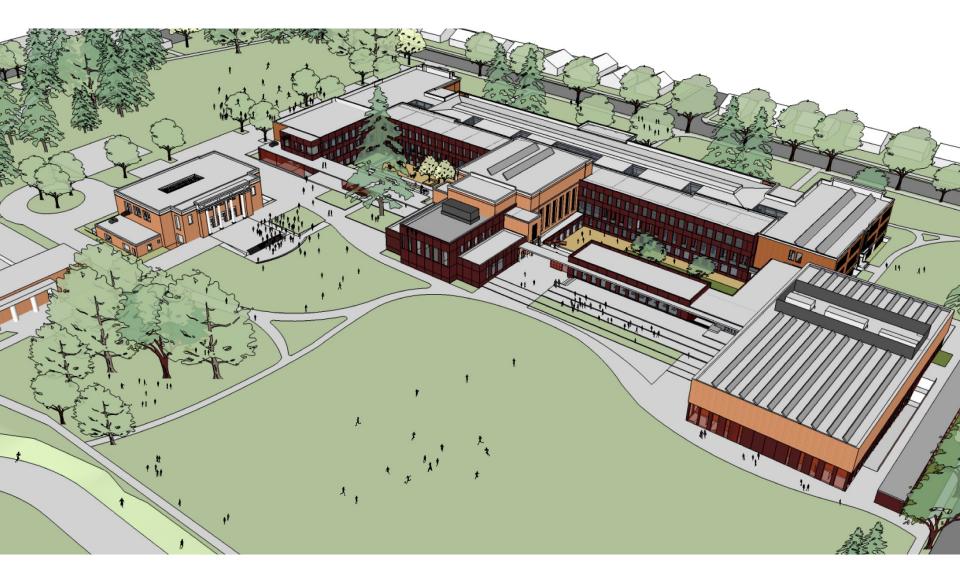
Schematic Design



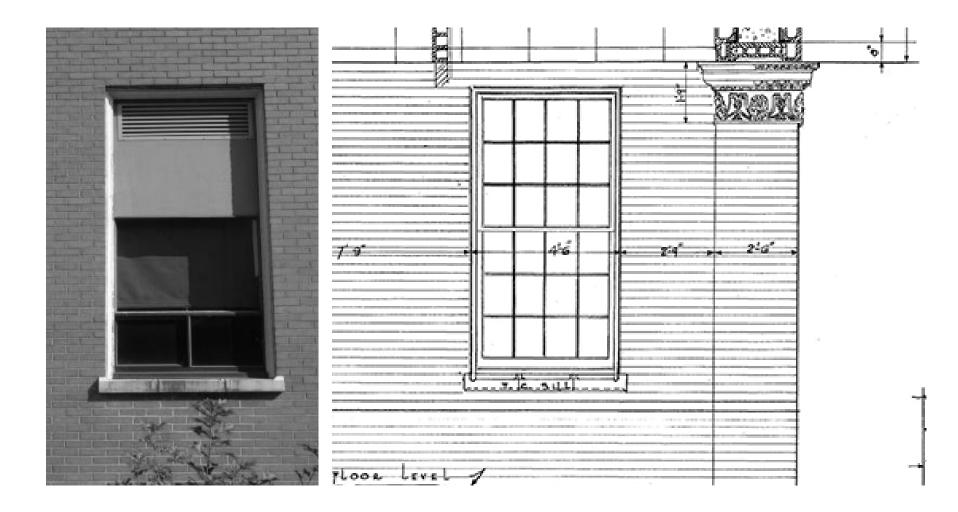
Master Plan

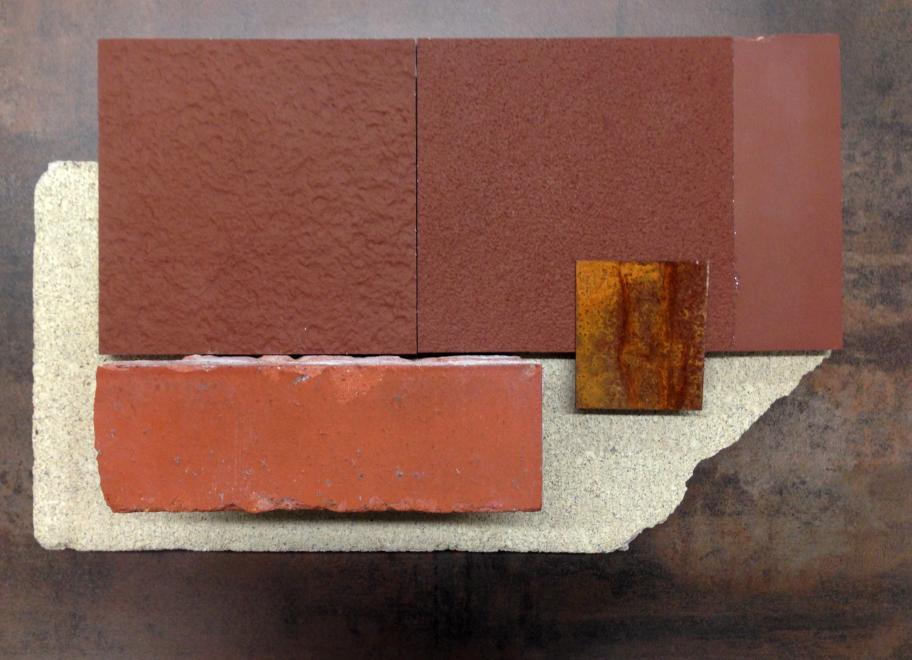


Schematic Design



Restoration







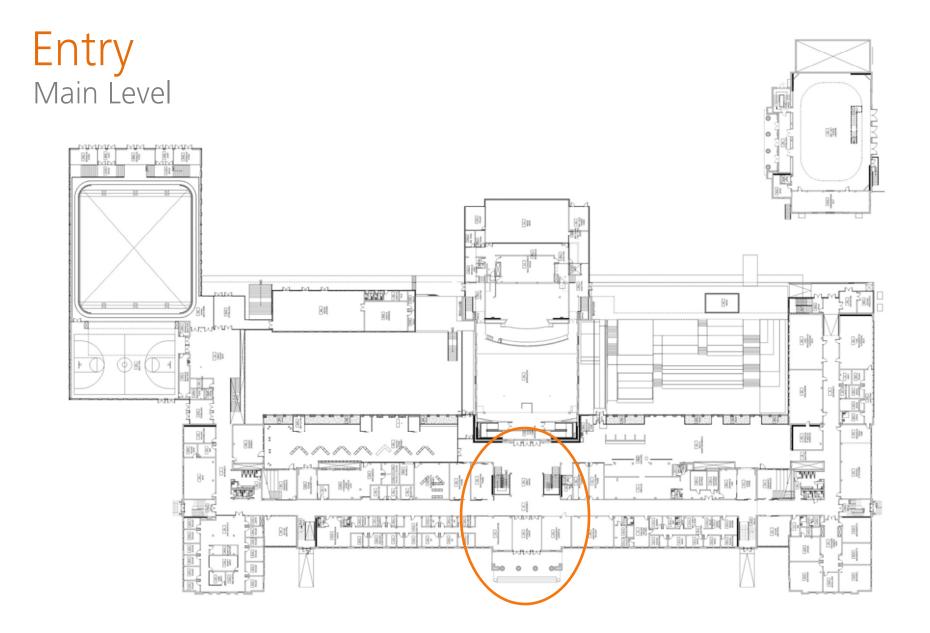






Schematic Design Development :: Building

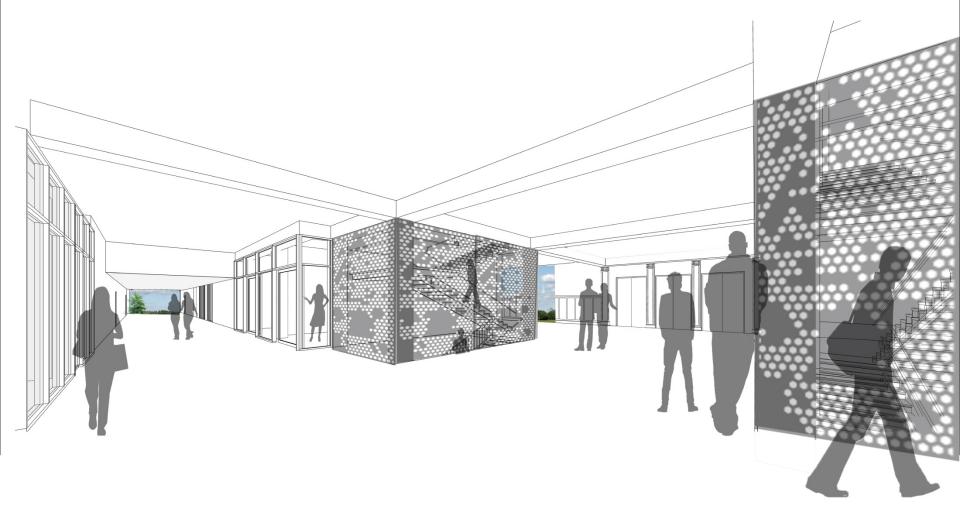


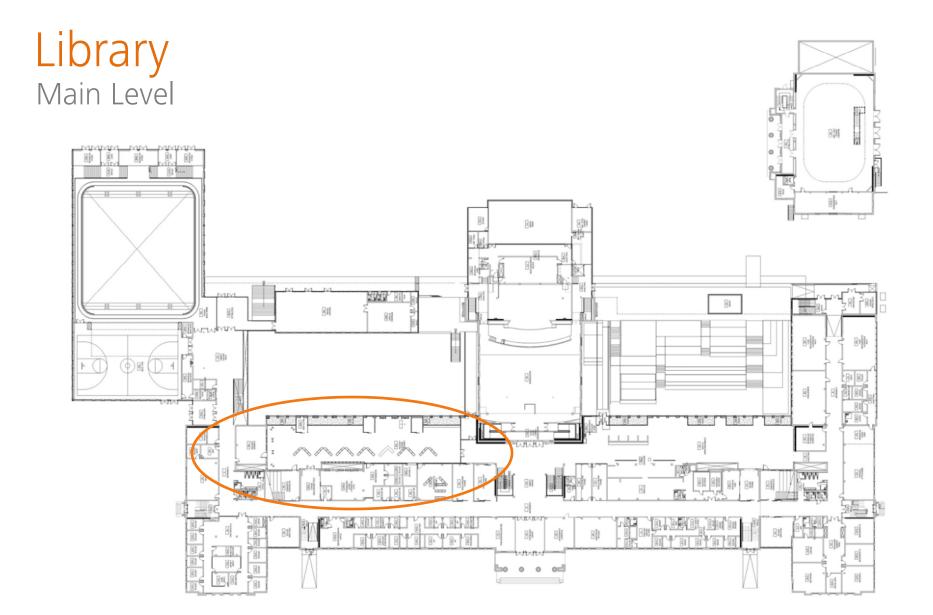












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Library

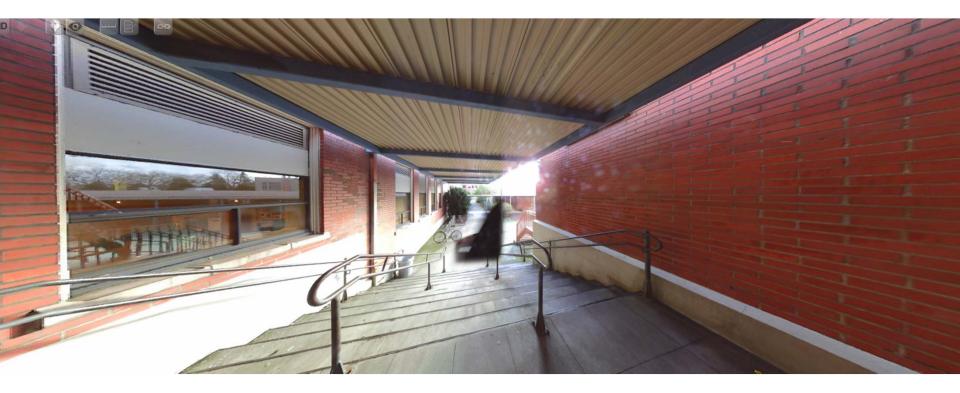
Individual work areas Group work areas Pin Up space Quiet space Movable tables Group tech stations





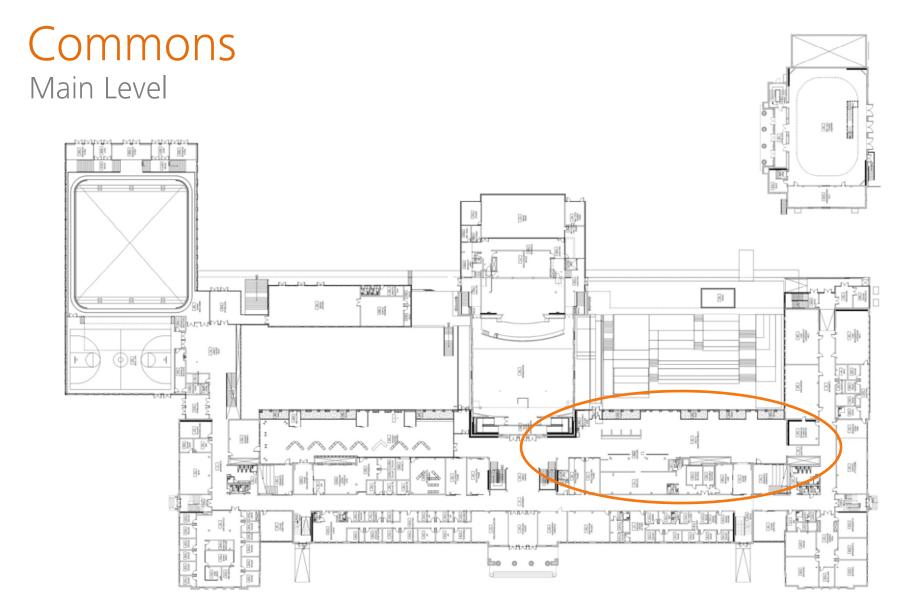


Library Main Level



Library Main Level







The Grant High School news magazine. Connected.

MAY 2016 ISSUE

Lunchroom Legacy



STORY BY SOPHIE HAUTH, KALI RENNAKER AND LAEL TATE | PHOTOS BY JOSHUA WEBB ON MAY 7, 2016





When the long-awaited lunch bell rings at Grant High School, students shuffle out of their classes, eager for something to eat.

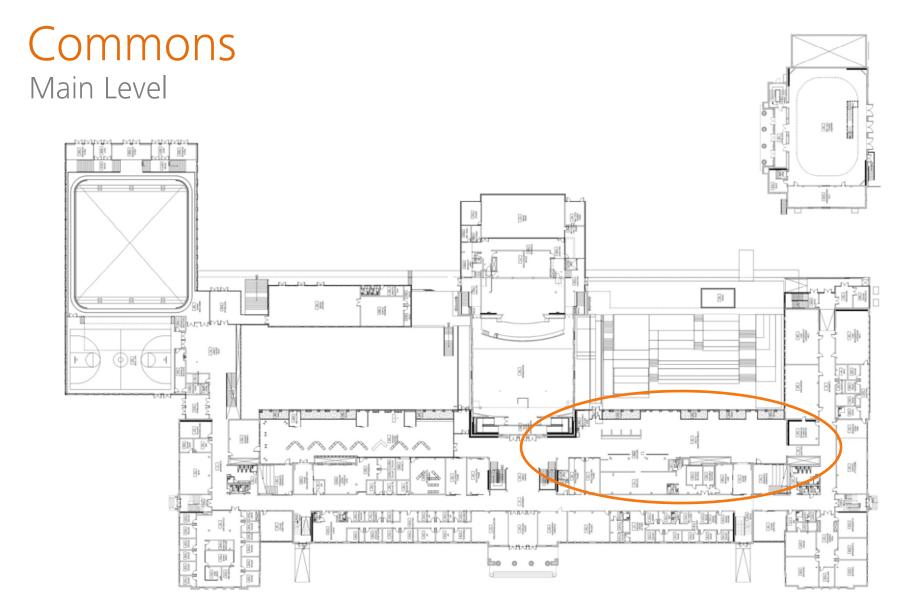


The Grant High School news magazine. Connected.

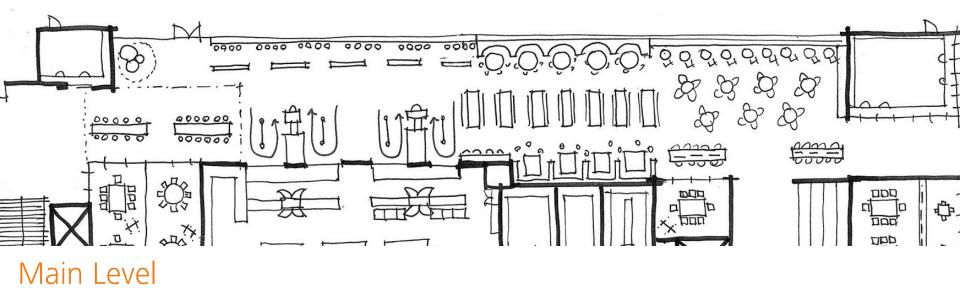
"The cafeteria...should exemplify unity, and everybody should come together in the cafeteria. It's everybody's favorite time, 'cause everybody loves lunch."

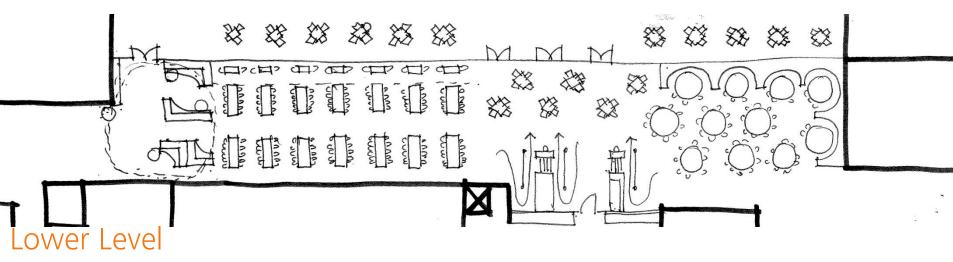
"The space, what it looks like...makes a really huge impact on how people feel about the cafeteria."

- Student Comments



Commons- Learning Cafe



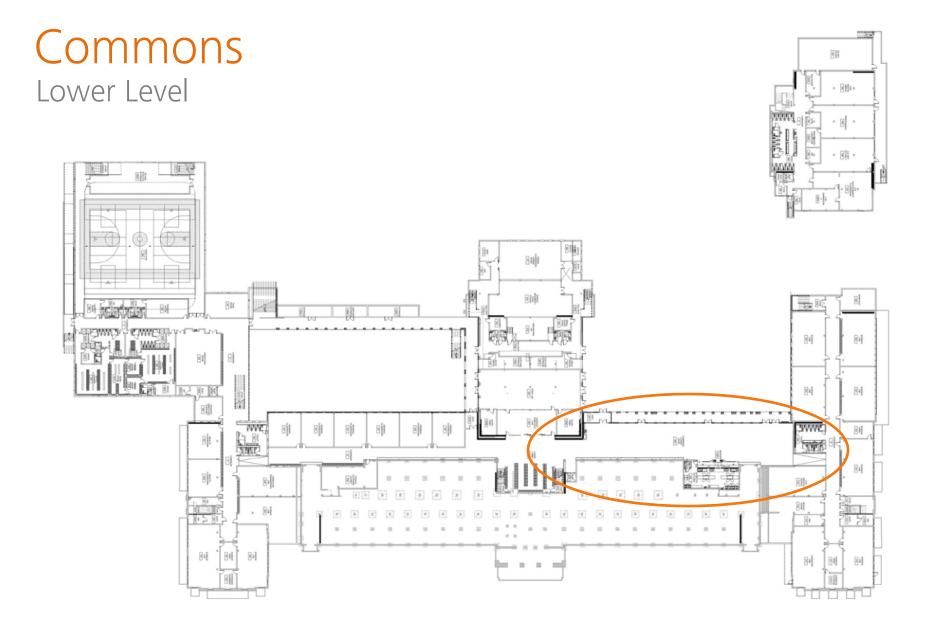


Commons Main Level



Commons Main Level



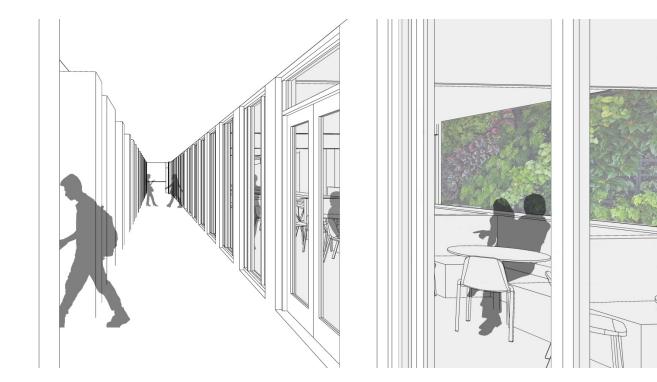


Commons Lower Level

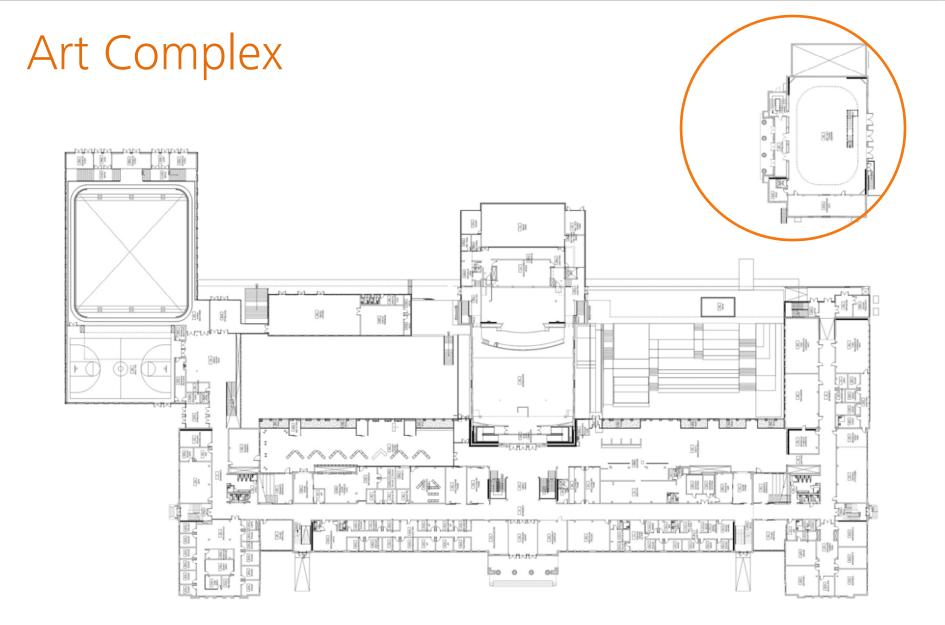


Commons Lower Level



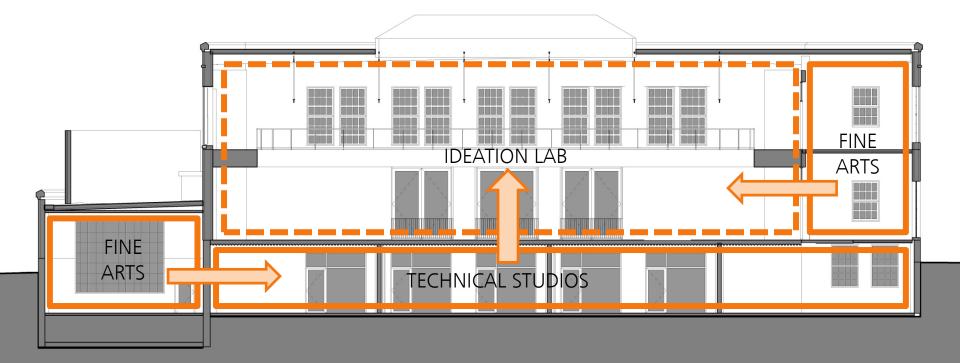






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Art Complex :: Community of Practice Ideation Lab





Ideation Lab Open, Shared, Flexible Space



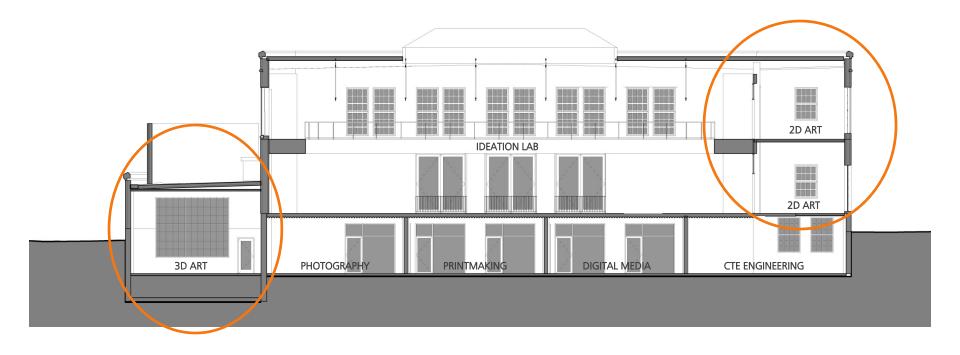
Ideation Lab Open, Shared, Flexible Space



Ideation Lab Open, Shared, Flexible Space



Art Complex Fine Art Studios

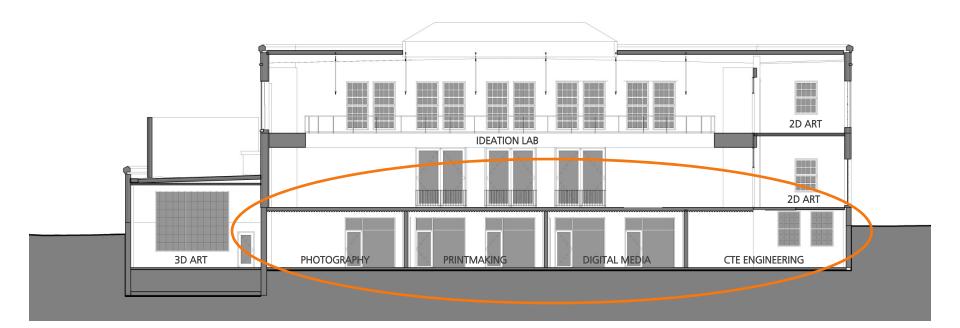




Art Complex 3-D Art Studio



Art Complex Technical Studios



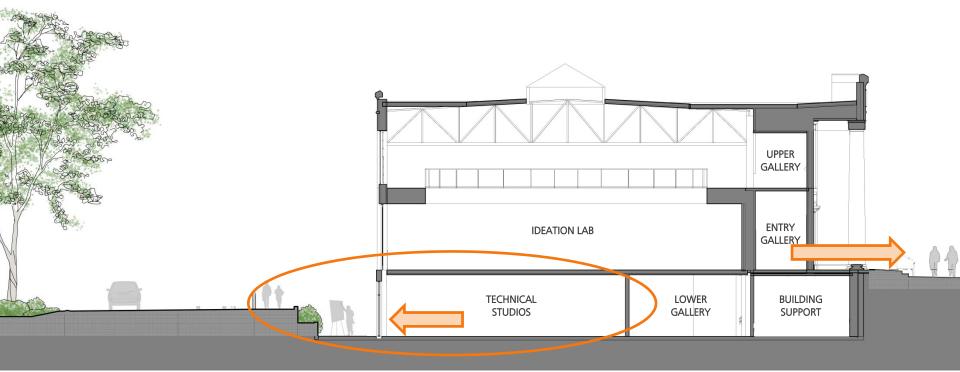
Art Complex Technical Studios



Art Complex Technical Studios

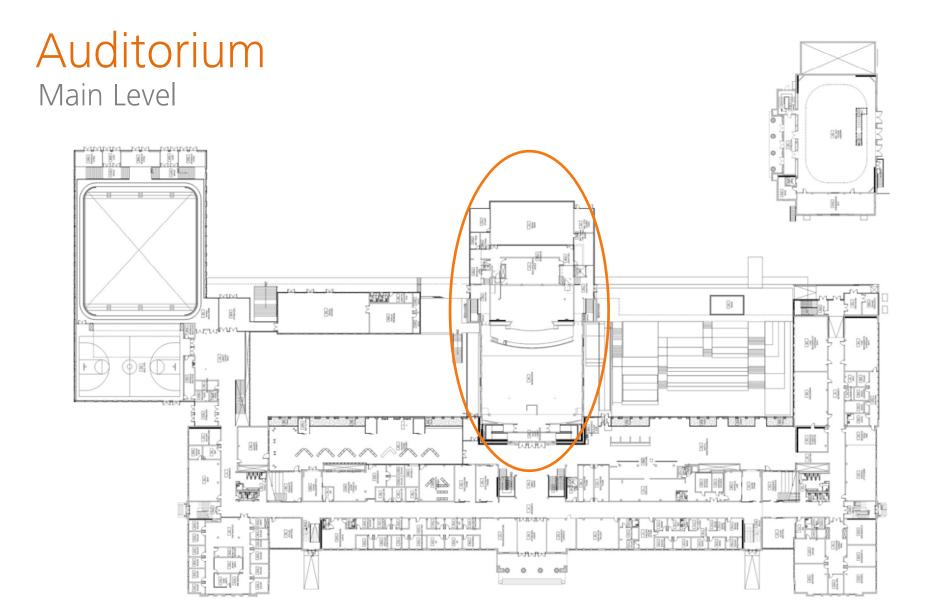


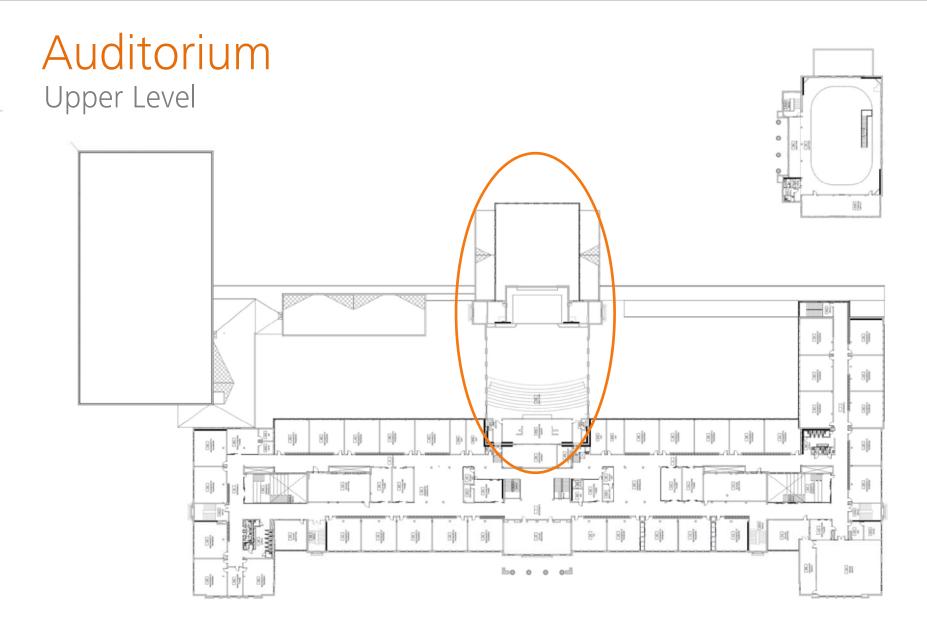
Art Complex Work Yards



Art Complex Work Yards



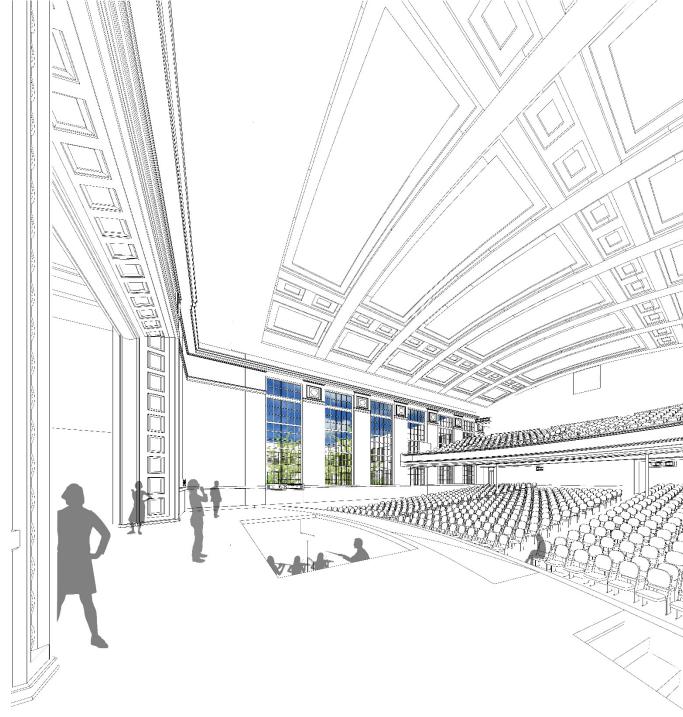


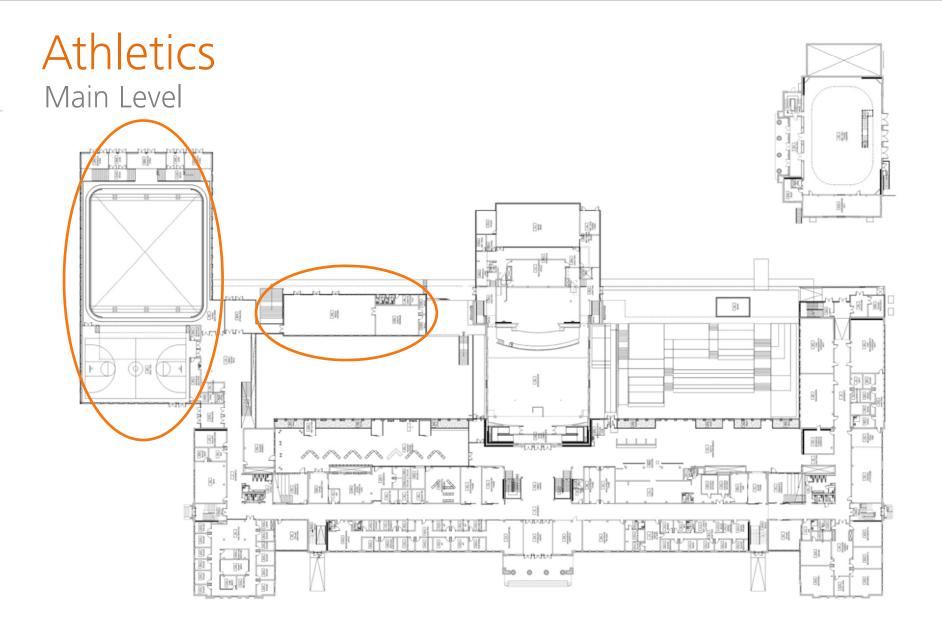


Auditorium House



Auditorium House





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Athletics Lobby Main Level



Athletics Lobby Main Level

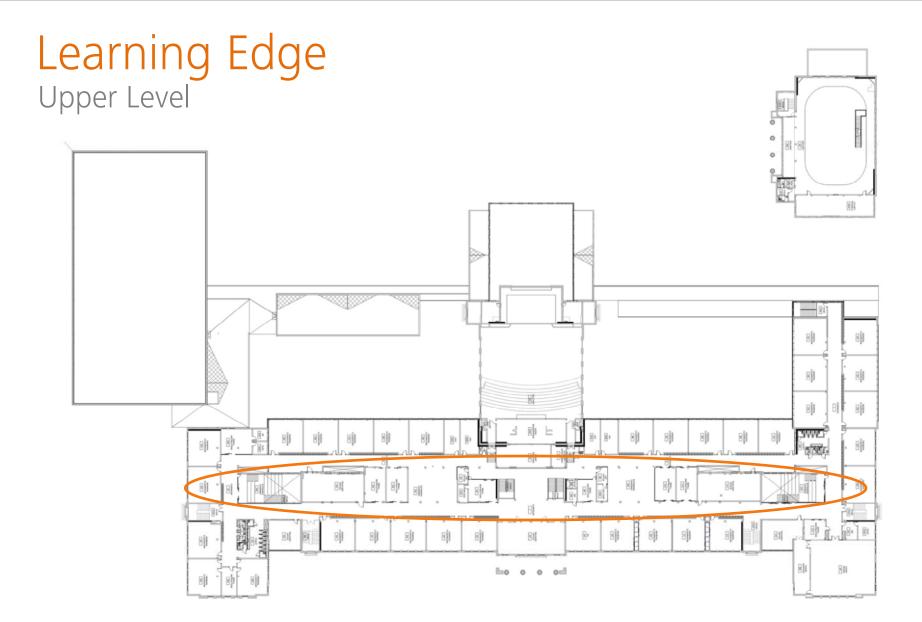


Athletics Gymnasium Main Level

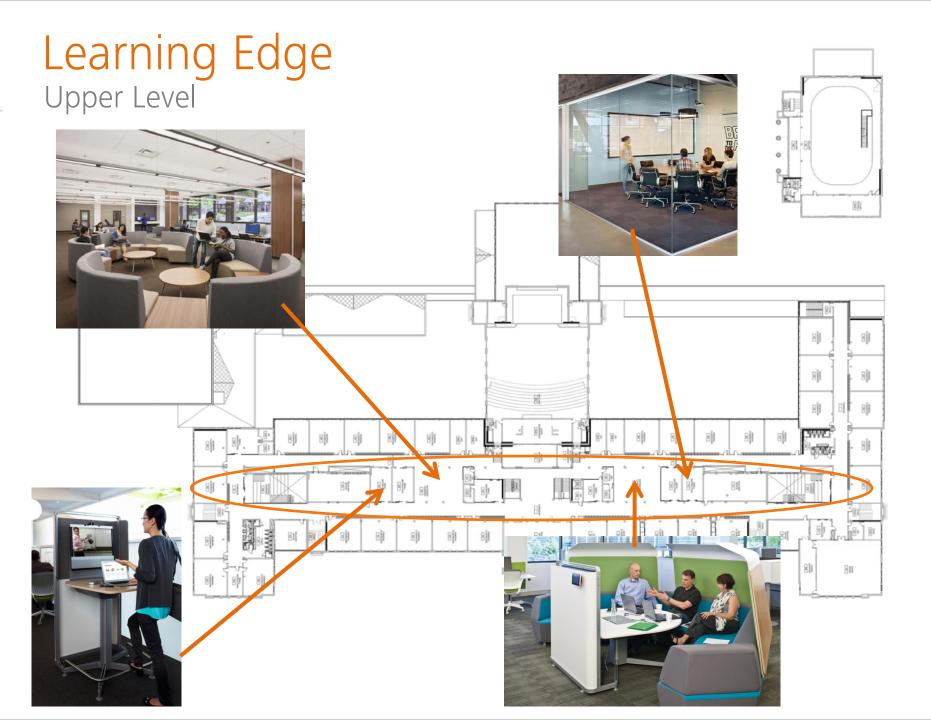


Athletics Gymnasium Main Level



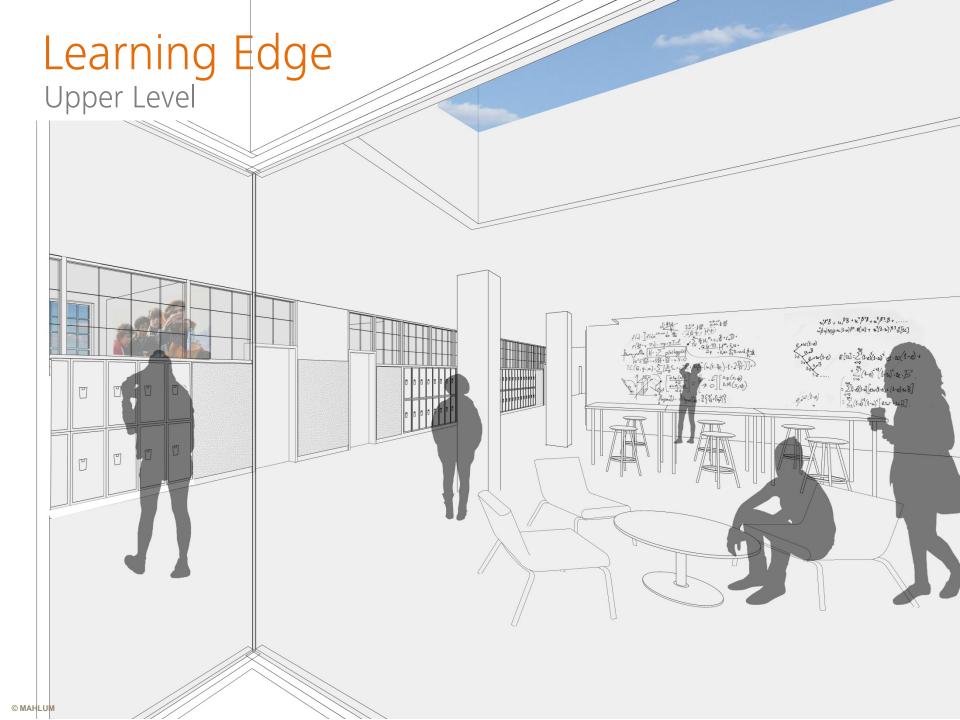


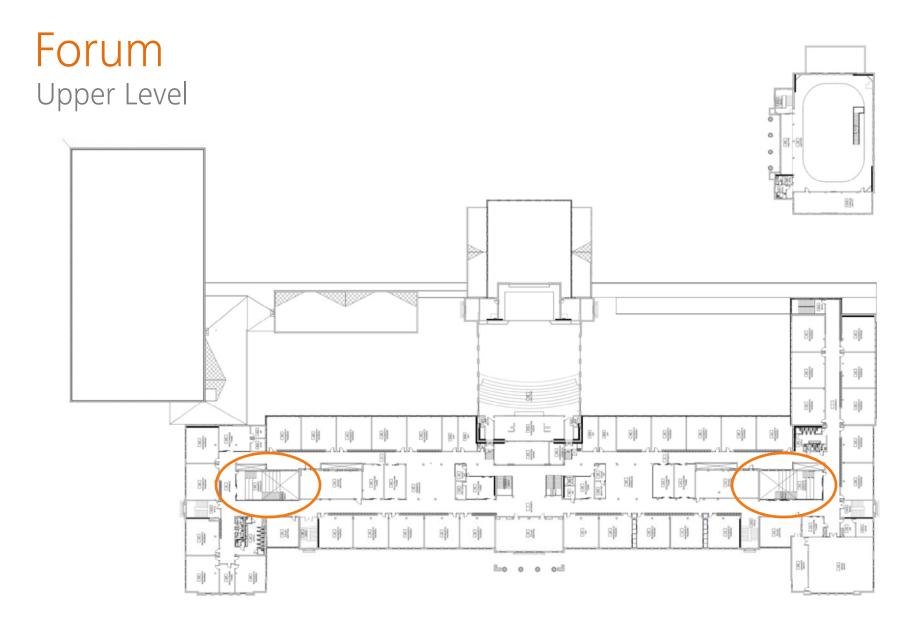
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Learning Edge Upper Level



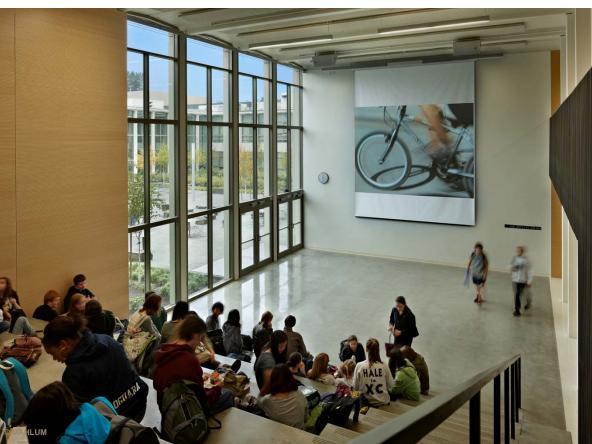




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Forum Seating

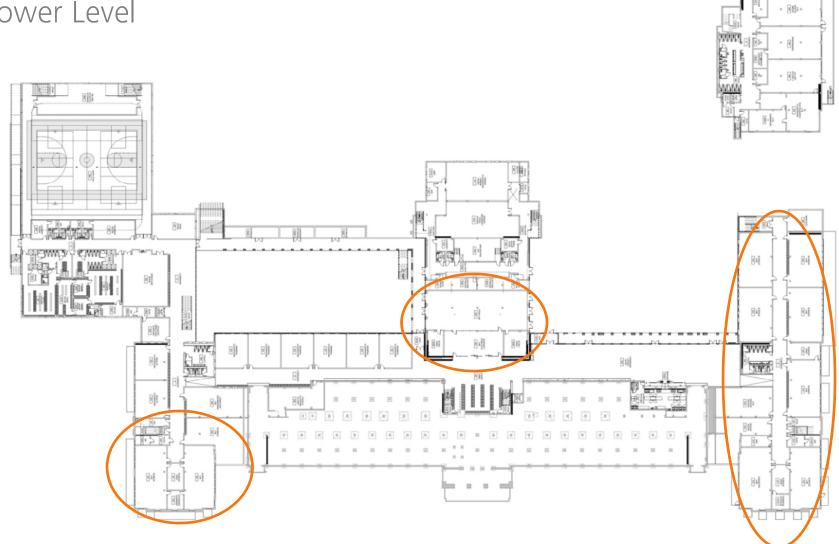
Eating Studying Presenting Group work







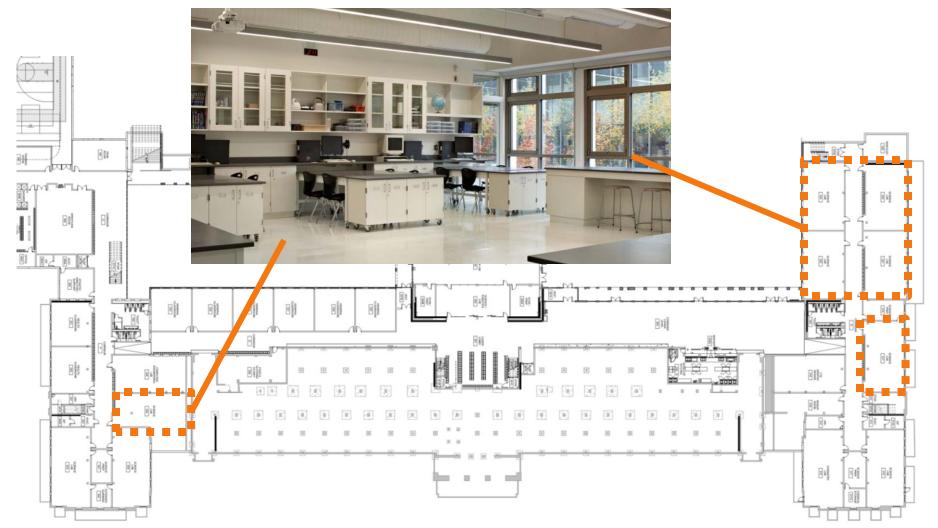




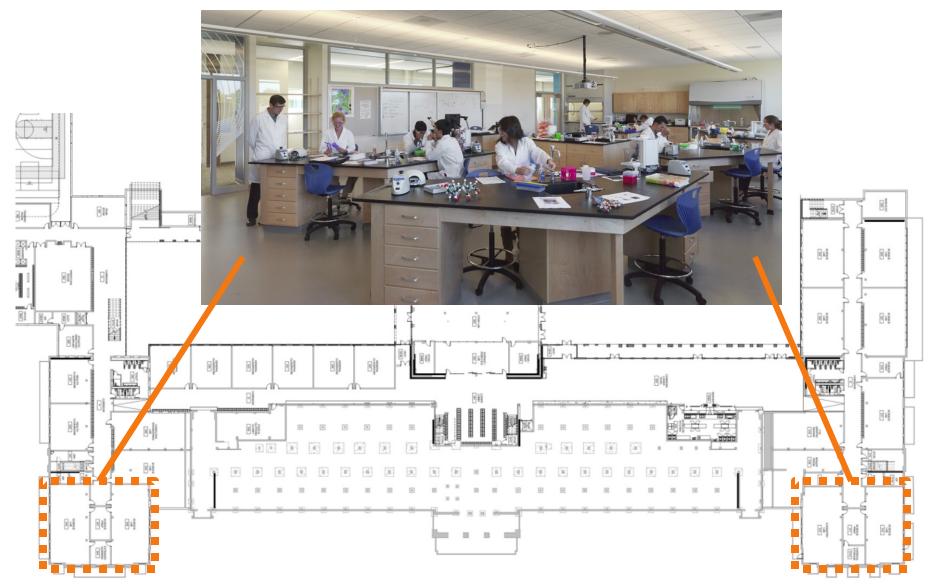
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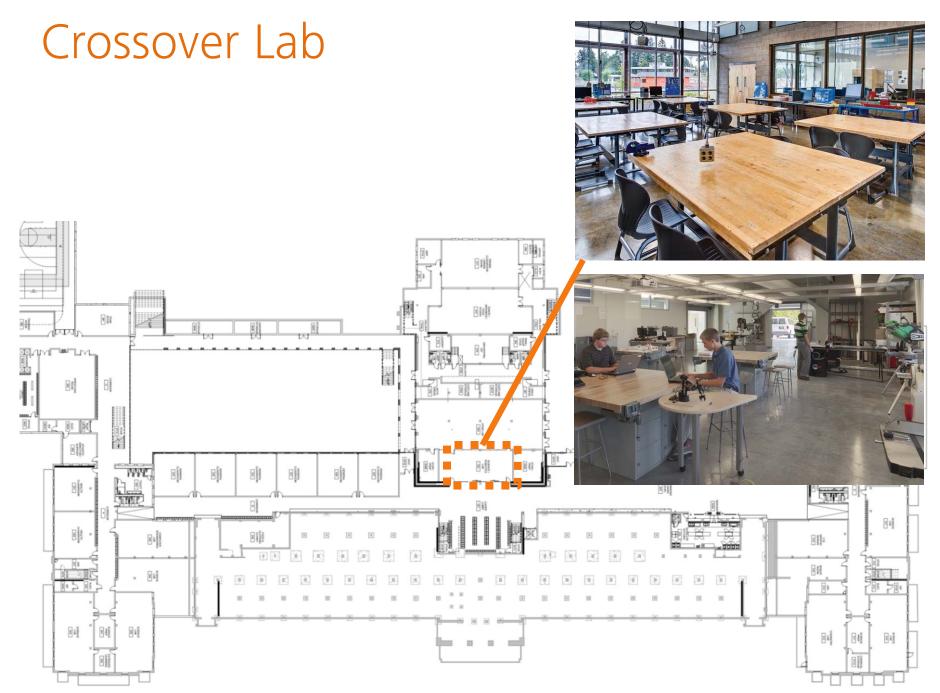
Science & STEM Lower Level

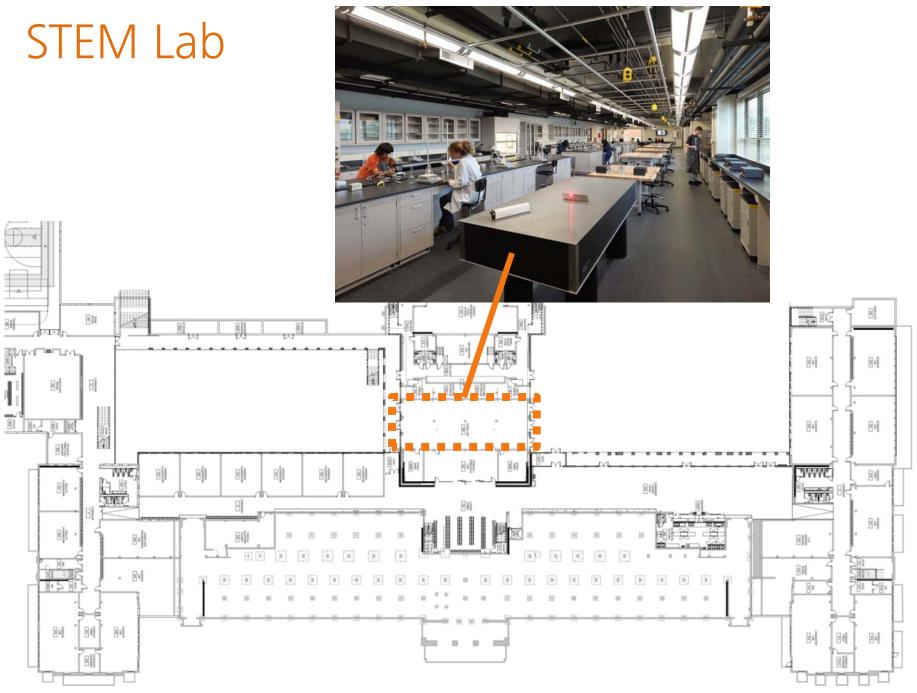
Flexible Labs



Specialized Labs

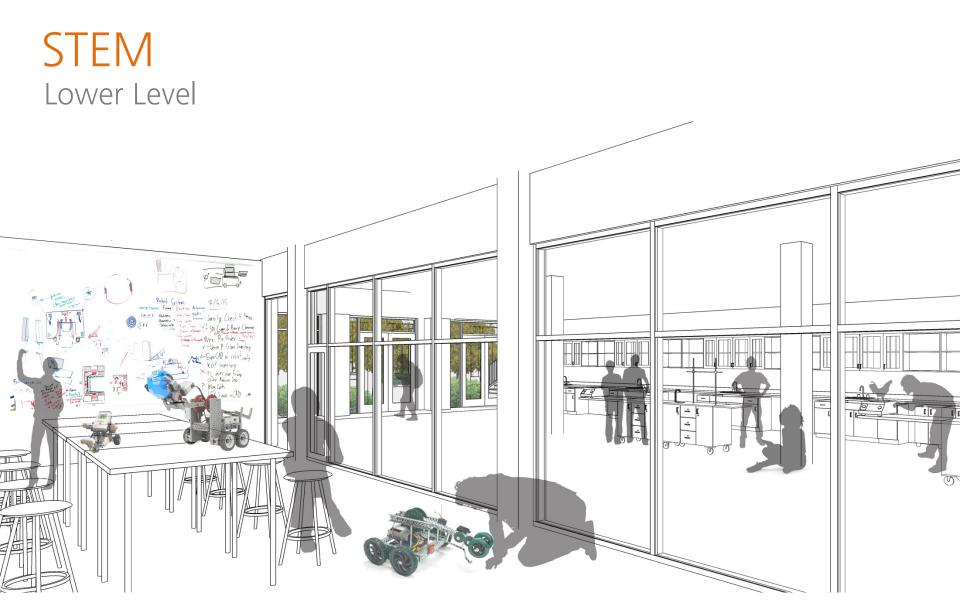






STEM Lower Level







Schematic Design Development:: Gender Inclusive Restrooms

Gender Inclusive Restroom Design



Inclusive Restroom Design

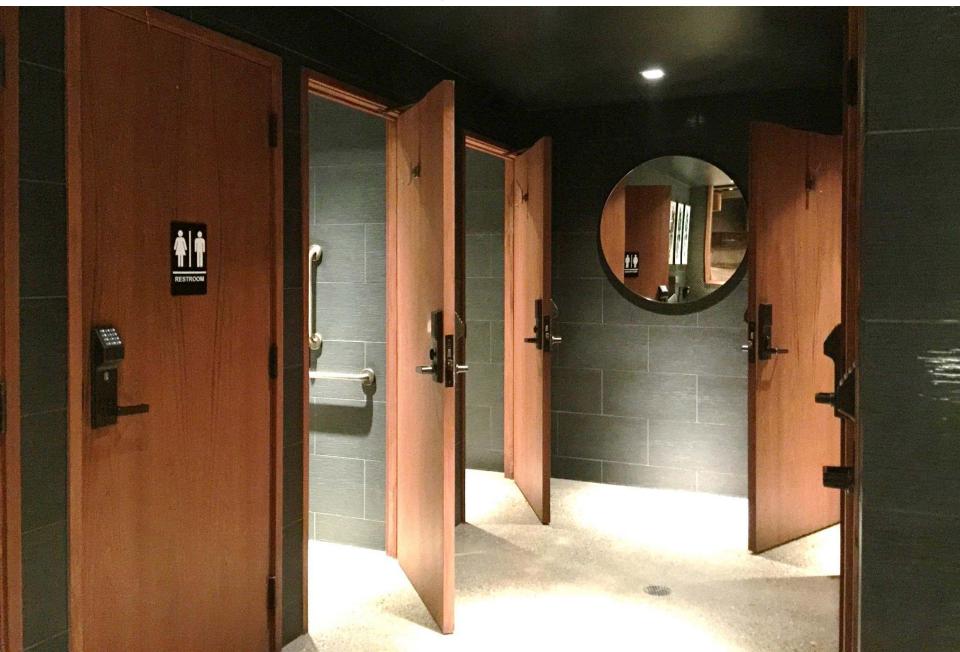


Equality



Equity

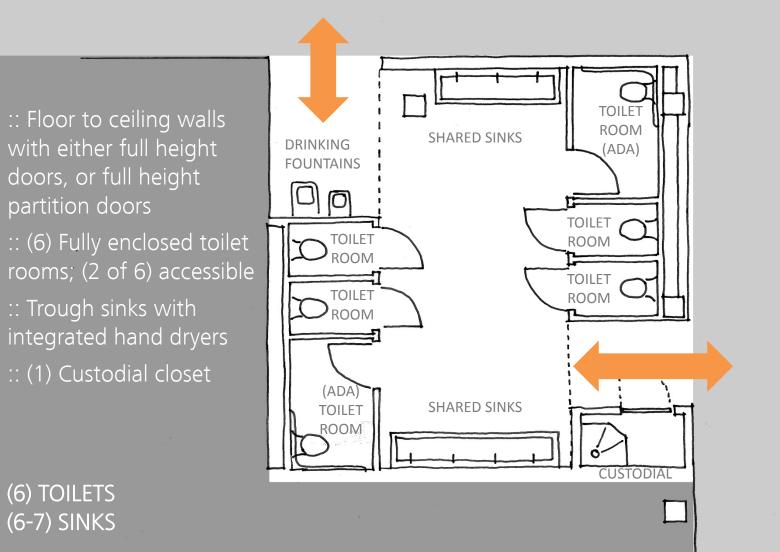
Inclusive Restroom Design :: Precedent



Inclusive Restroom Design :: Precedent



Inclusive Restroom Design :: Concept



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Project Overview

Team Introductions Process & Schedule SDWS 1 Shareback SDWS 2 Shareback Schematic Design Development Overview of Today's Listening Stations

Listening Station 1: Focus on Site



Listening Station 2: Focus on Building Design

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1 TTT 1 4 7 10 10 1000 Et the state minini

2 Building Development How will the new building support Grant High School programs?

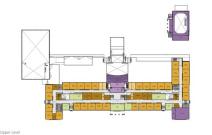


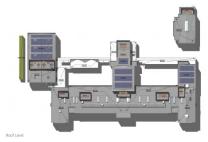


















Listening Station 3: Focus on Historic Preservation

Historic Analysis How will the modernization celebrate historic elements?











Historic Analysis How will the modernization celebrate historic elements? 2



- 1. Auditorium
- 2. Main Entry/ Portico
- 3. Interior stairs
- 4. Old gym
- 5. Murals & Artwork
- 6. Front lawn
- 7. Choir room
- 8. Historic windows
- 9. Original library
- 10. Corridors





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Listening Station 4: Focus on Sustainability

Sustainability How will Grant High School become a green building?

Rankings

- 1. High Performance Building
- 2. Daylight & Views
- 3. Natural Cooling & Ventialation
- 4. Strategies for Human Comfort & Health
- 5. Water Use Reduction
- 6. On-Site Renewable Energy
- 7. Building Reuse
- 8. Stormwater Design
- 9. School as a Teaching Tool
- 10. Rainwater Harvesting







High Performance Building









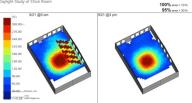




100% area > 10 %,96% area > 30 % Aux Gym

99% area > 10 tc.66% area > 30 tc

Daylight Study of Choir Room





SCHEMATIC DESIGN OPEN HOUSE

How have you positively impacted the modernization of Grant High School?



We Welcome Your Thoughts