The goal of the DAG is to develop comprehensive, equitable, integrated and visionary high school campus designs with authentic school community engagement. Members will be expected to serve for several months throughout the planning process.

MADISON HIGH SCHOOL MASTER PLAN

Portland Public Schools | Opsis Architecture + Dao

MHS MASTER PLAN UPDATE

DESIGN ADVISORY GROUP 01 AGENDA

Welcome Back

DAG Introductions

Why did you join the DAG?

Code of Conduct

Elect Co-Chairs

Schedule

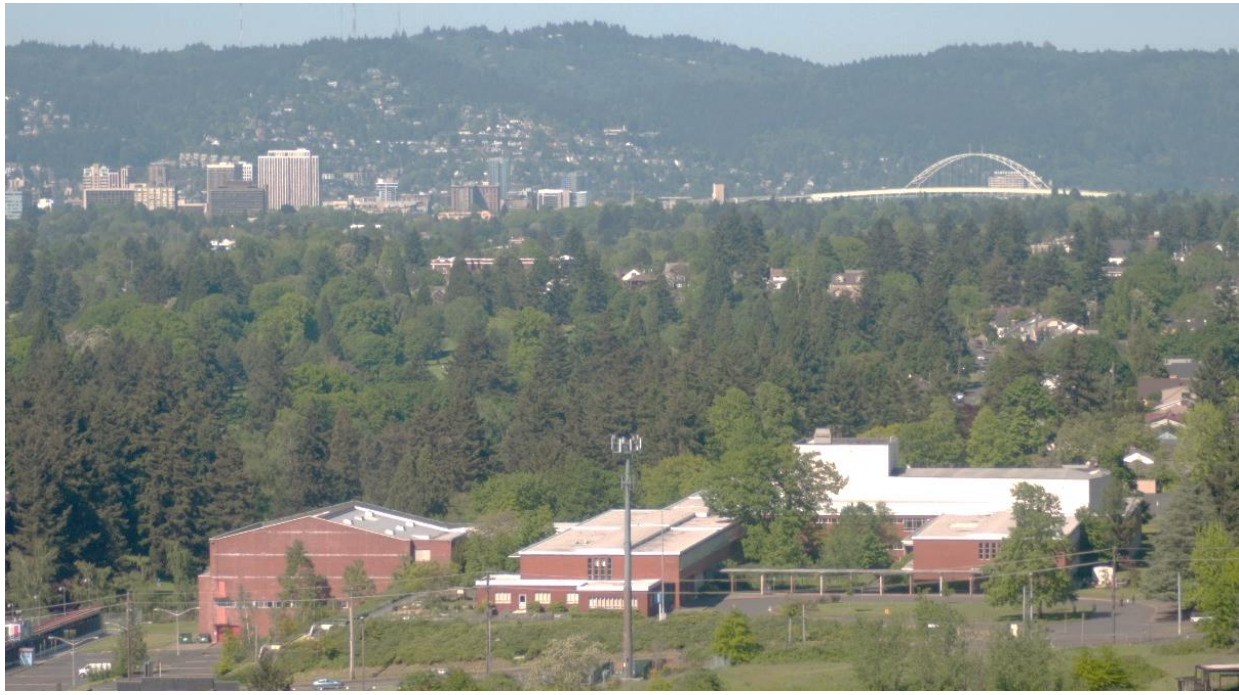
Group Activity

Learning Possibilities

Report Back

Public Comments

Next Steps



DAG CODE OF CONDUCT

R – E – S – P – E – C – T

- Differing opinions
- Decisions you may not agree with
- Allow everyone to speak
- Be brief and to the point
- Be on time and be prepared
- The art of compromise
- Represent the community – not your just your specific interest
- Anything in writing is a public document
- Listen more, talk less
- Keep political issues/criticisms to yourself
- Maintain a positive attitude
- Hold each other accountable for maintaining RESPECT

DAG CHARTER

Mission Statement:

"to advise the Madison Modernization Project Team in developing a comprehensive, equitable, integrated and visionary school design with authentic school community engagement"

- DAG advises on priorities for the project, but is not a decision making group
- DAG is one of many stakeholder groups
- DAG members represent the entire project and are information conduits
- DAG participates in open houses and other public meetings
- DAG input is vital to understanding Madison culture, values, priorities, preferences, community, challenges
- DAG is critical to forming the overall vision for the school

MASTER PLAN

MADISON HIGH SCHOOL

Master Plan

DRAFT FINAL REPORT

08.02.16

opsis architecture | DAO architecture

VISION STATEMENT




The new Madison High School will be a welcoming, safe and secure place that builds upon the diversity and resiliency of everyone in the Madison community – students, parents, teachers and neighbors alike.

In the 21st Century, teaching and learning happens everywhere. As such, the new Madison will serve as a rigorous and engaging learning atmosphere that helps students embrace the future and solve real world problems, utilizing flexibility, creativity and the strength of a diverse community.




GUIDING PRINCIPLES

The MPC studied national trends in 21st century school design and married those trends with their own understanding of the particular needs and goals for the Madison community. The resulting principles formed the basis for the Master Plan concept designs:

Create State-of-the-Art 21st century learning environments

Transform the school's facilities to stimulate learning.

Community Connections

Make the school the heart of the Neighborhood.

Social and Academic Connections

Create a reflection of the neighborhood spirit and diversity inside Madison HS.

Indoor / Outdoor Connections

Create stronger connections between the school's interior and its outdoor courtyards and gardens.

Example of Sustainability

Connect the new facility to nature and environmental systems. Inspire students and the community to embrace sustainable behavior.

Access and Security

Create safe and convenient access points for students on foot, bike, bus, and cars.

Improve connectivity within the building

Create visual landmarks and open sightlines and improve access and flow.

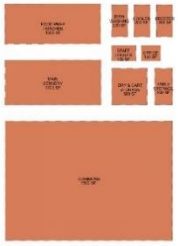
Optimize the Site's Environment

Address the school's topography while enhancing its use of solar access and adjacent amenities and views.

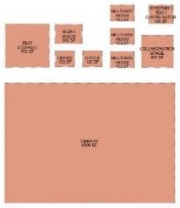
Enhance the Building's Systems

Modernize the school's structural, mechanical, electrical, and technology systems.

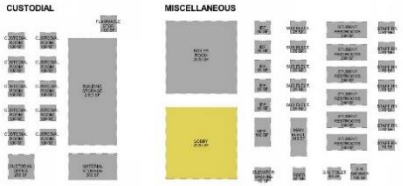
MASTER PLAN – ED SPECS



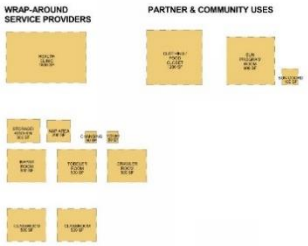
STUDENT CENTER / COMMONS



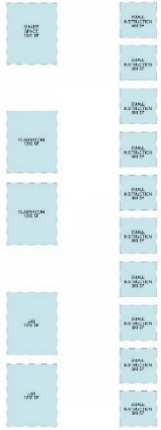
LIBRARY



SUPPORT

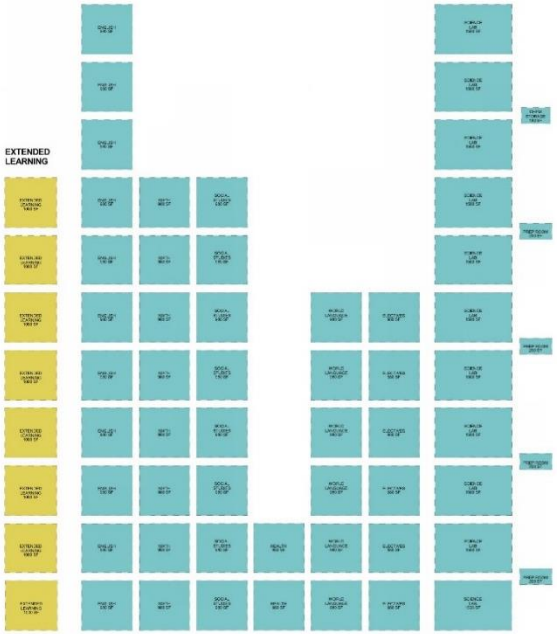


PARTNER & COMMUNITY USES & WRAP-AROUND SERVICE PROVIDERS

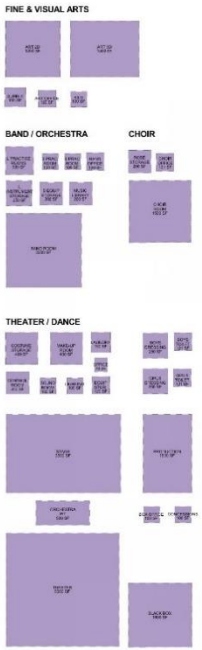


CAREER PREP

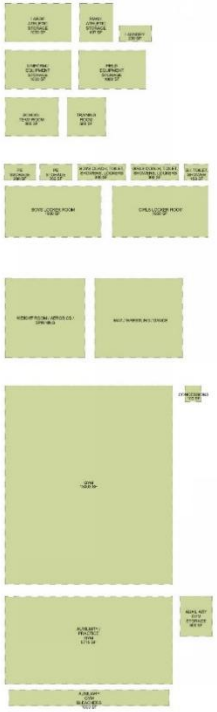
SMALL INSTRUCTION



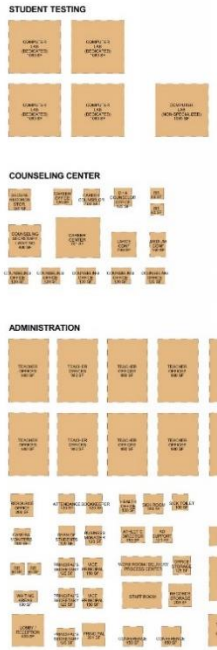
INSTRUCTIONAL

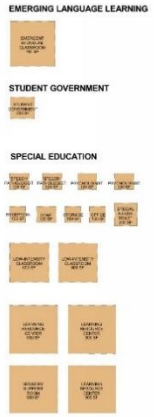


FINE ARTS



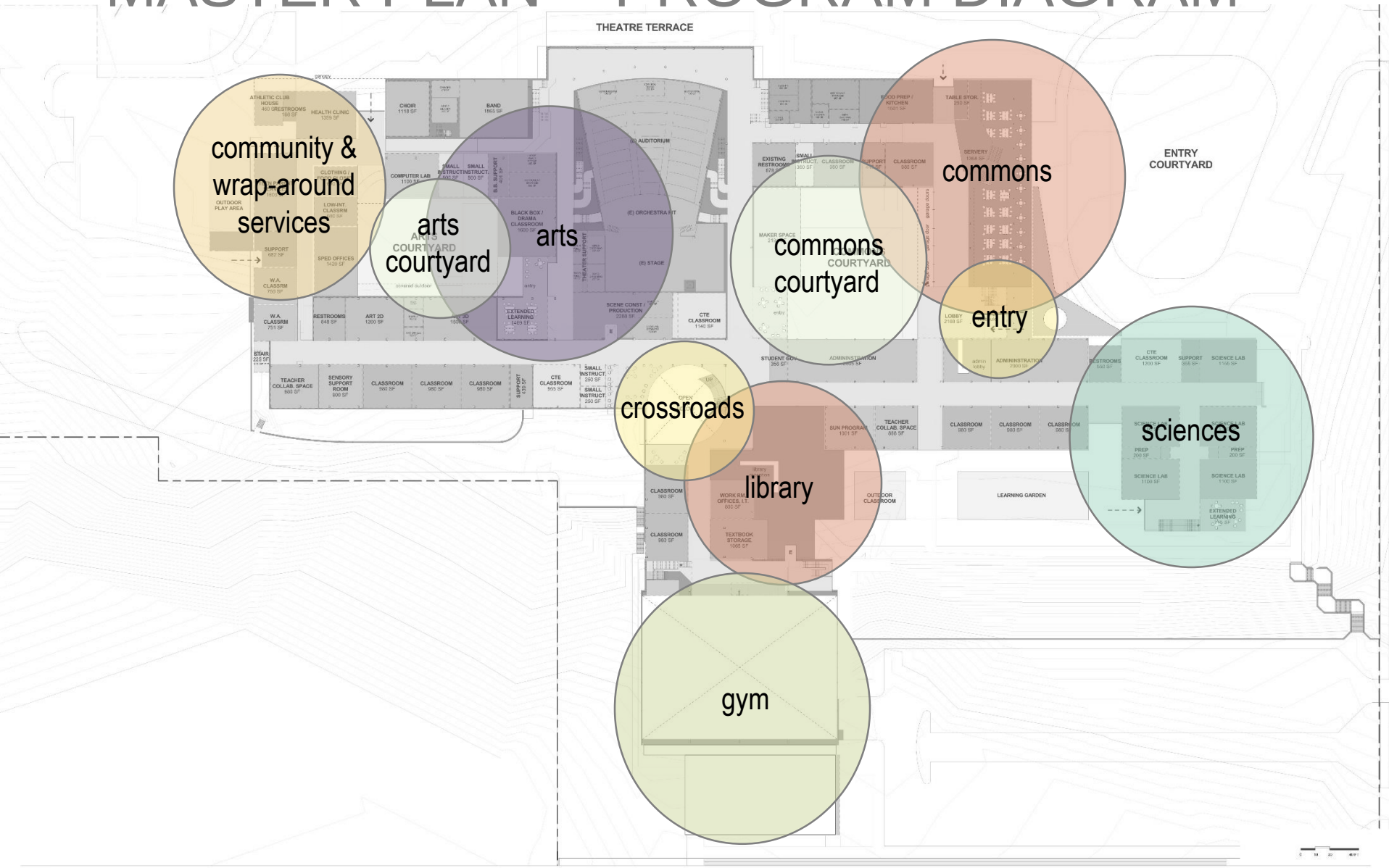
ATHLETICS



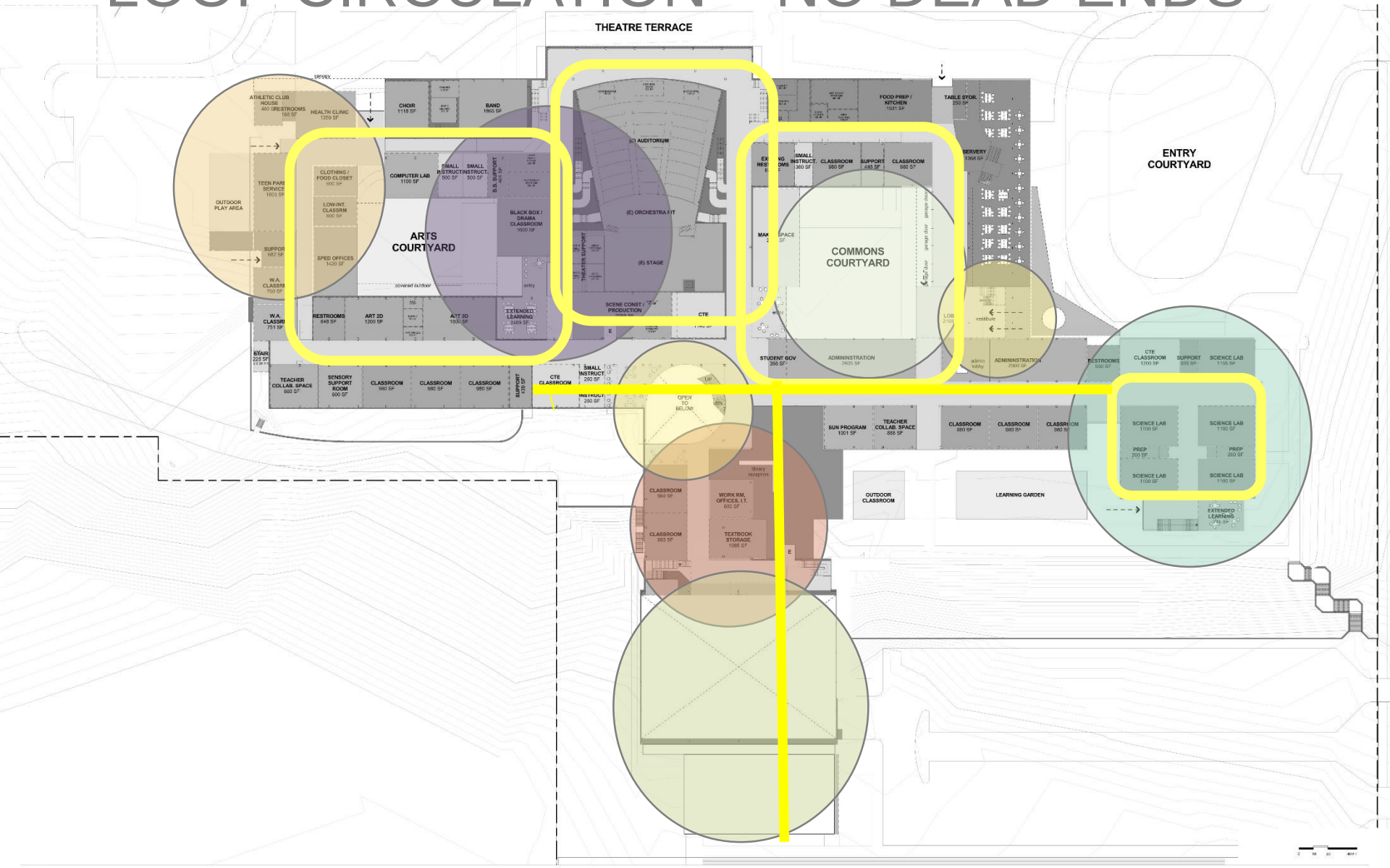


EDUCATION SUPPORT

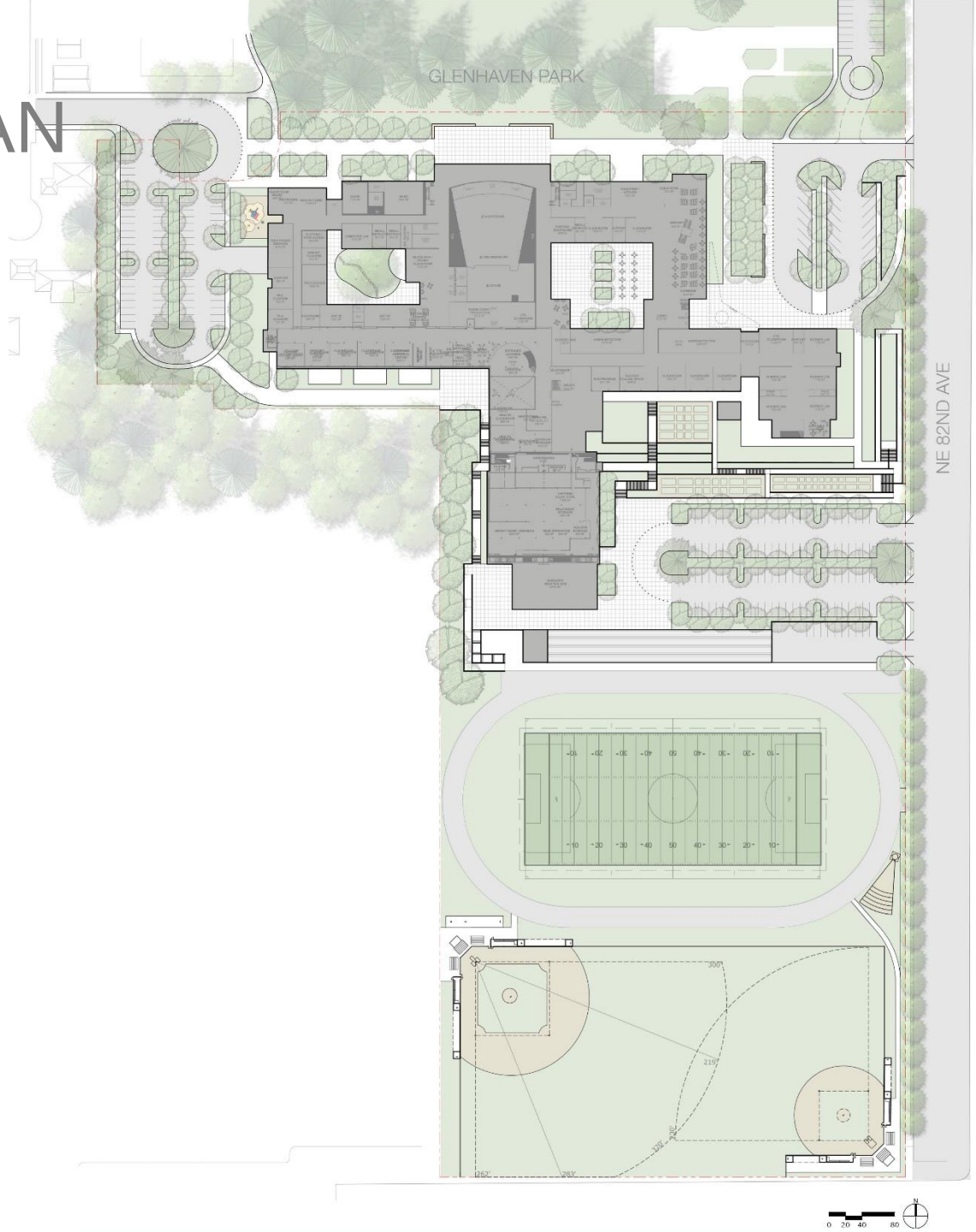
MASTER PLAN - PROGRAM DIAGRAM



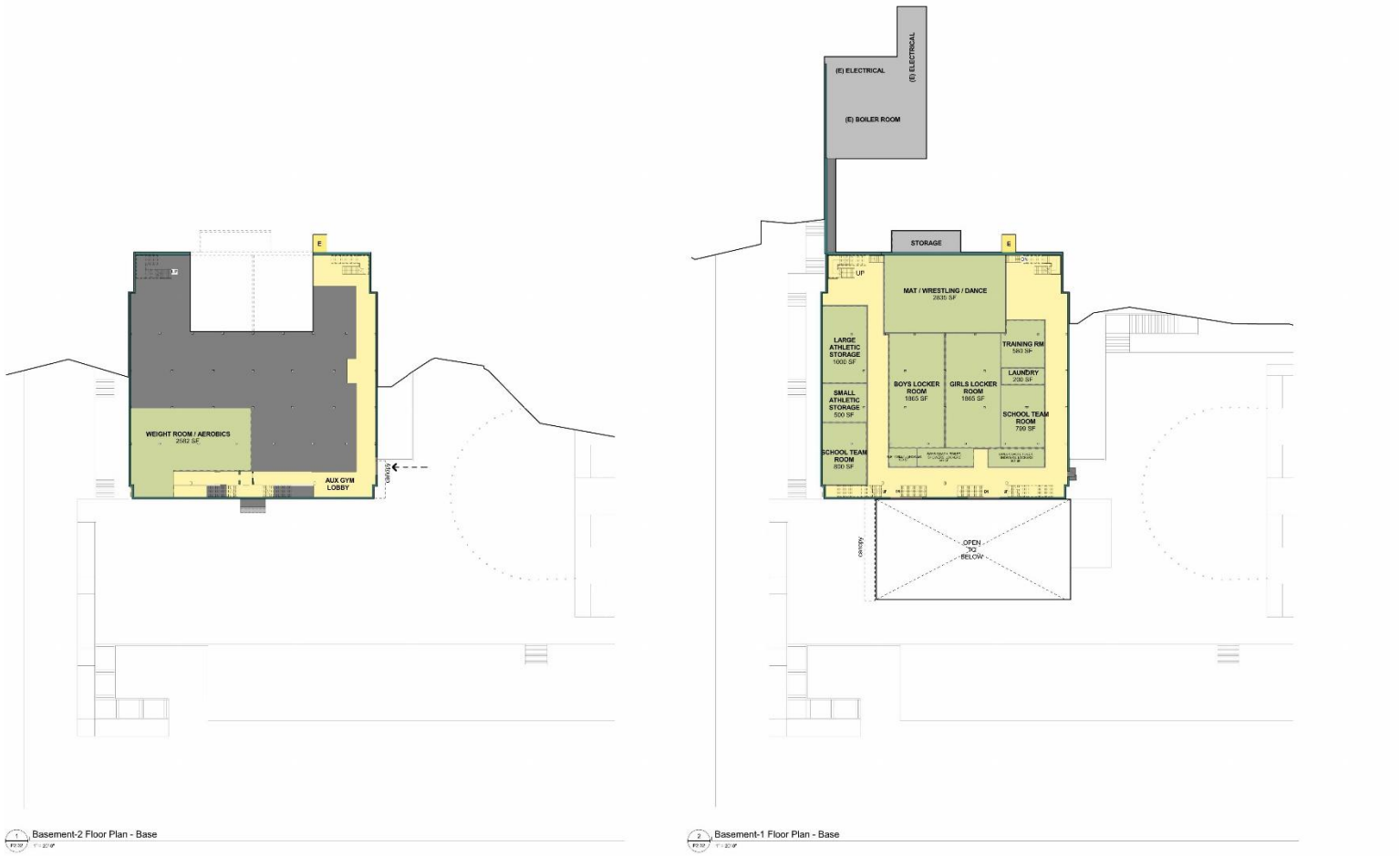
LOOP CIRCULATION – NO DEAD ENDS



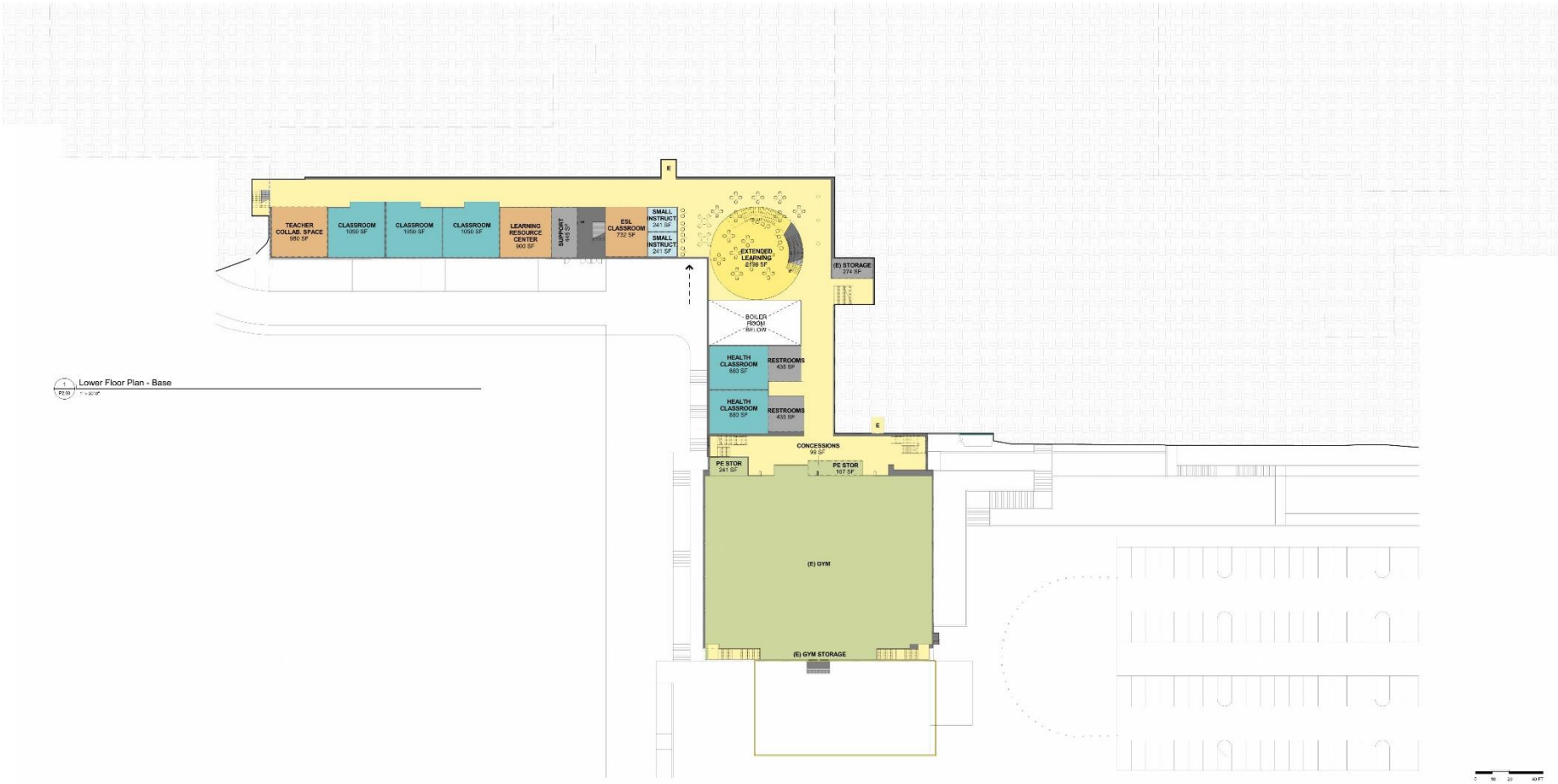
SITE PLAN



PROGRAM PLANS – LOWEST LEVELS

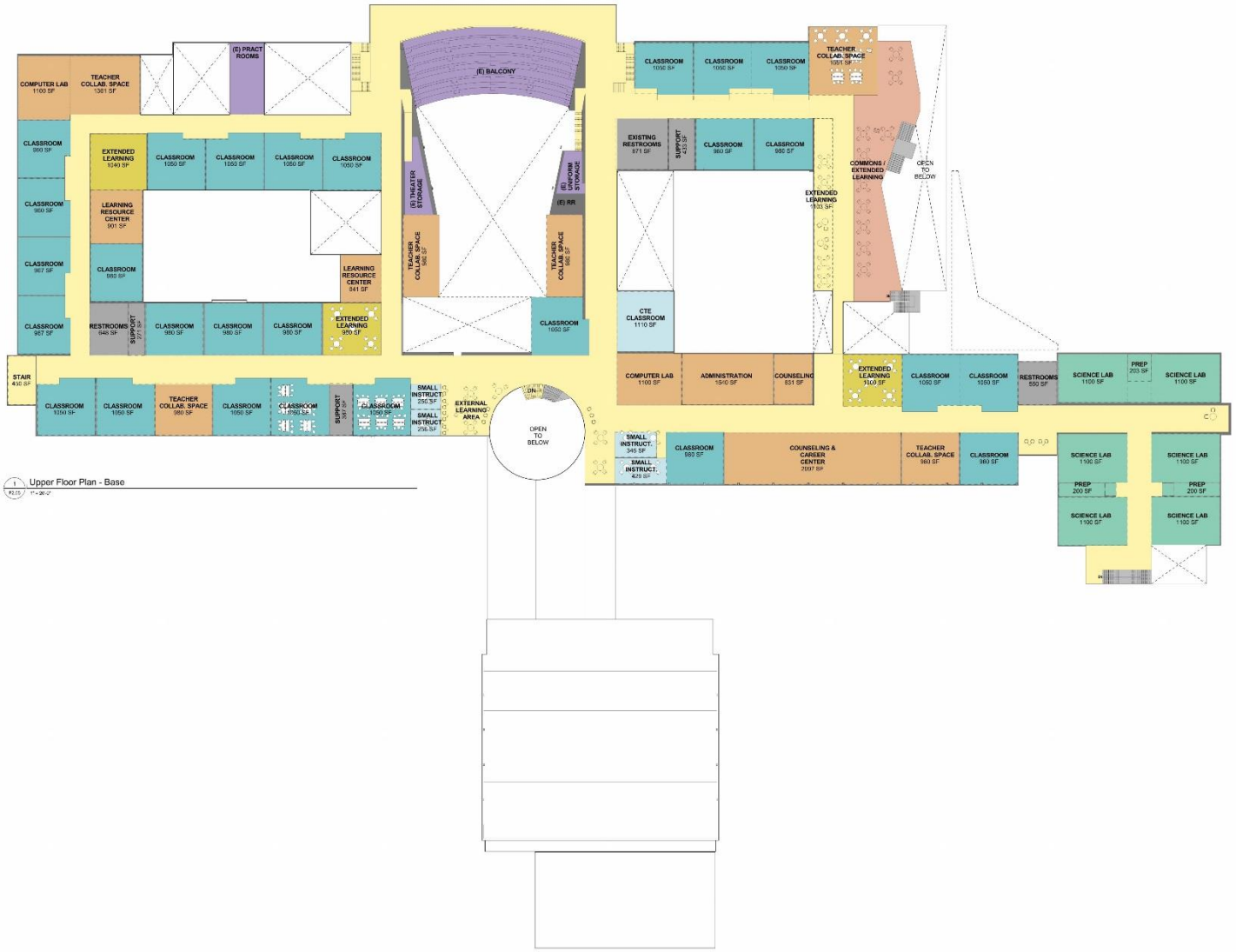


PROGRAM PLANS – LOWER LEVEL

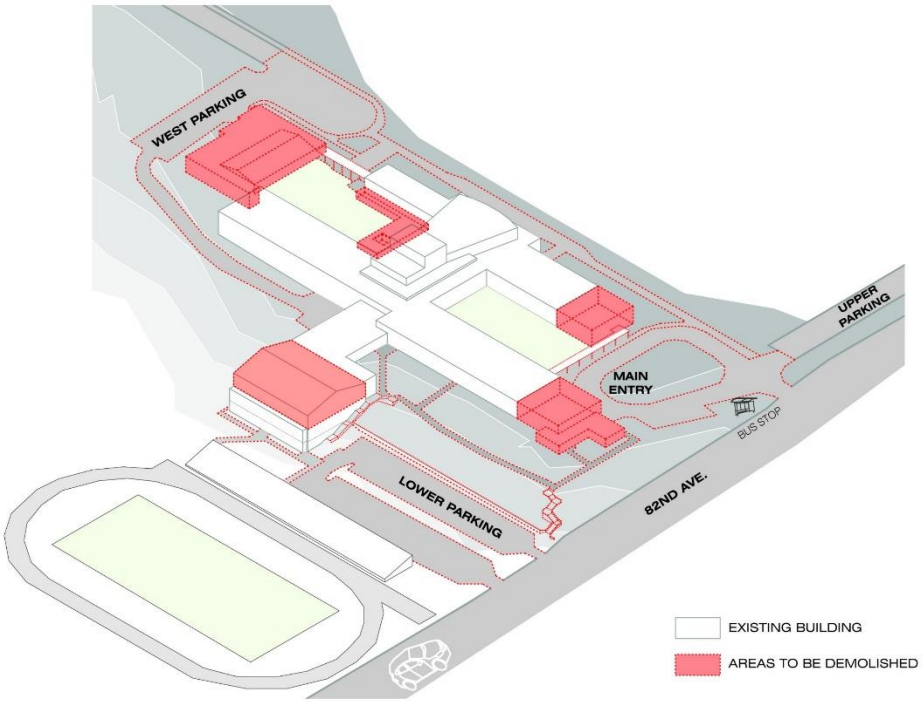


PROGRAM PLANS – MAIN LEVEL

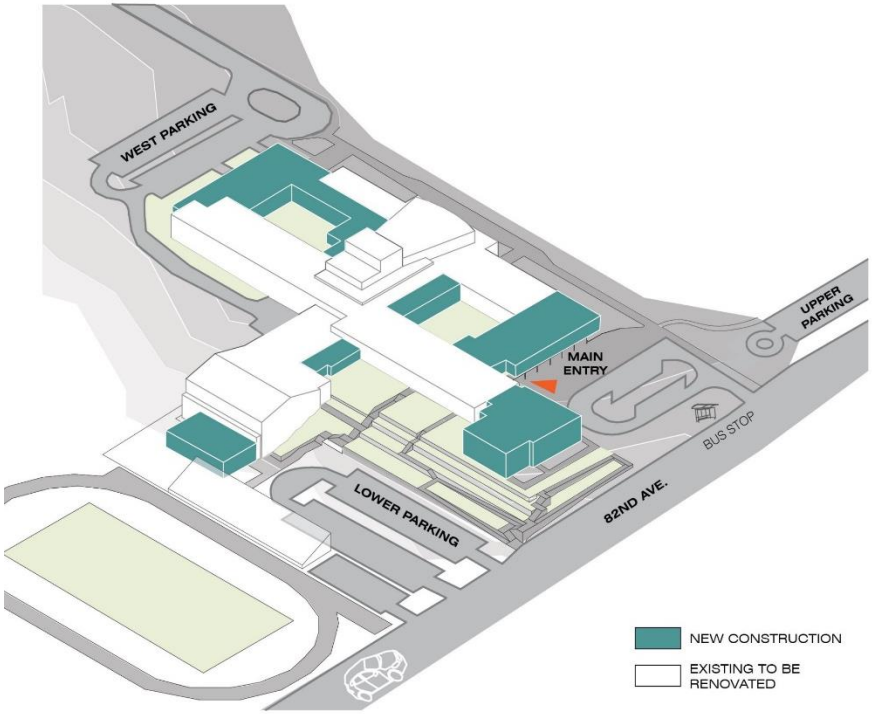
PROGRAM PLANS – UPPER LEVEL



COST PLANS

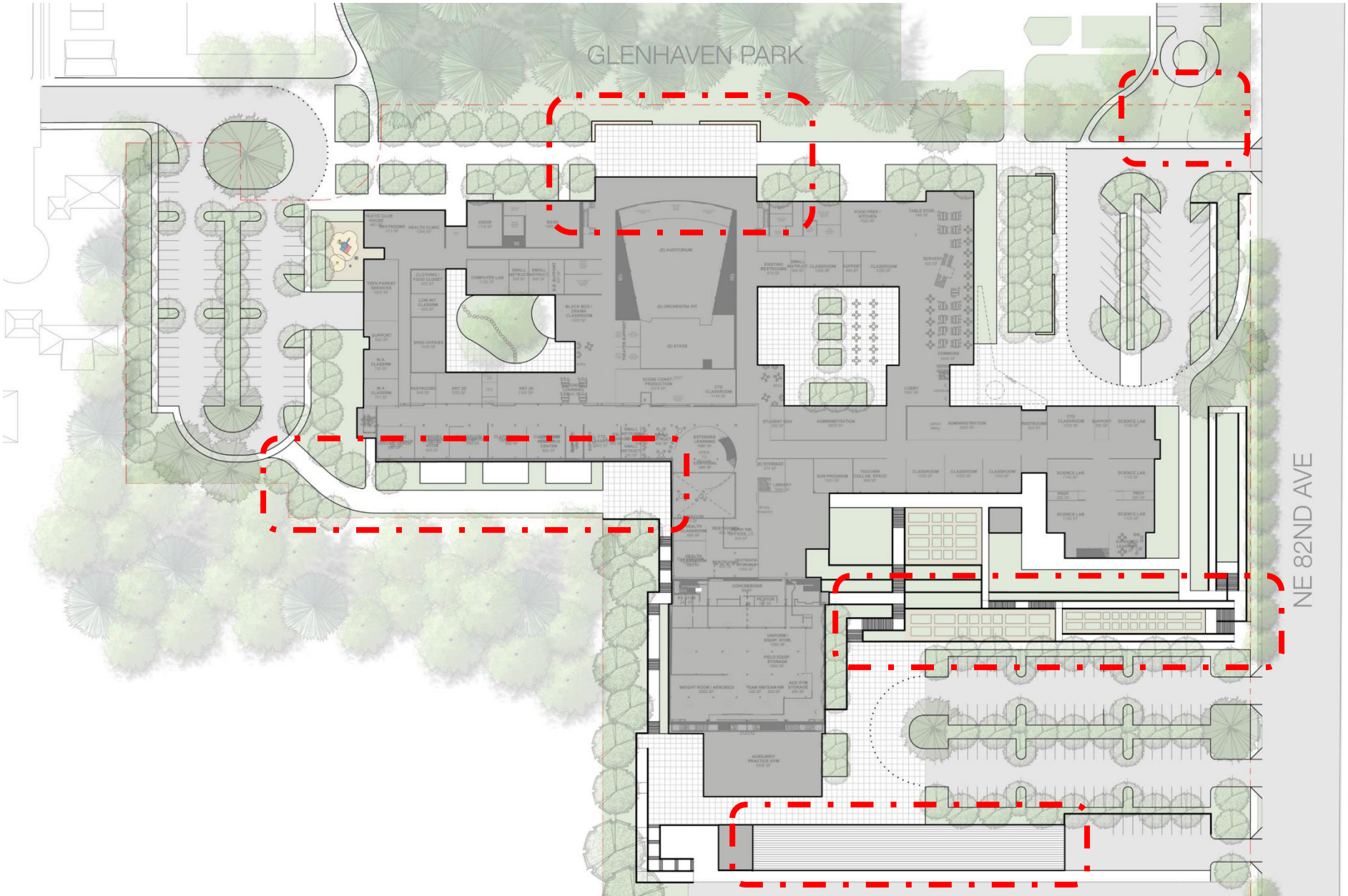


DEMOLITION DIAGRAM

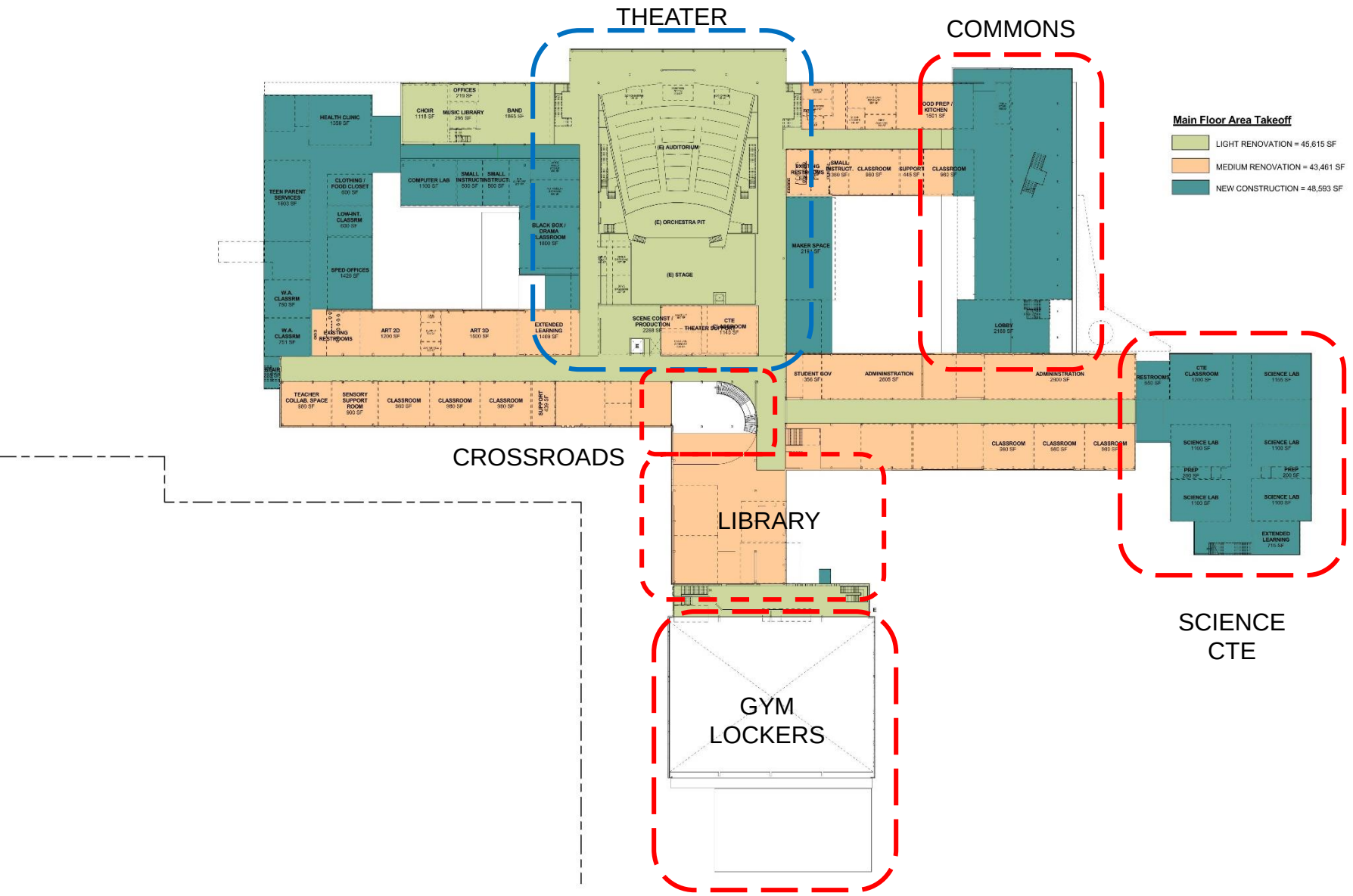


AREAS OF NEW CONSTRUCTION

SITE PLAN – COST OPTIONS



COST PLANS – MAIN FLOOR PLAN

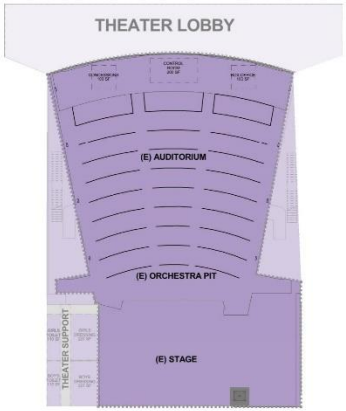


Madison HS vs Ed Spec v2.6

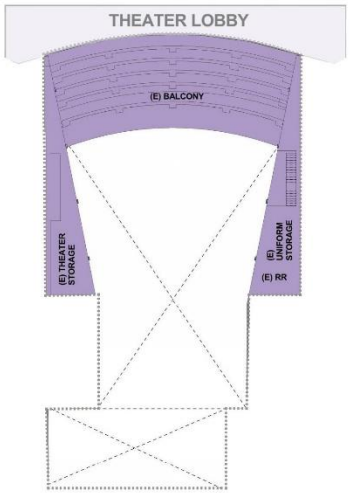
SPACE USE 1,2	ED SPEC REQ'D			MADISON CONCEPTUAL			DELTA (EdSpec - C)	
	Quantity	Room Area	Area	Quantity	Room Area	Area	Quantity	Area (n)
Sub-Total Fine & Visual Arts	2		3,080	2		3,080	0	0
Sub-Total Band/Orchestra	1		3,470	1		4,148	0	678
Sub-Total Choir	0		200	1		1,318	1	1,118
Sub-Total Theater / Dance	2		14,600	2		28,683	0	14,083
SUB-TOTAL REQUIRED FINE & PERFORMING ARTS	5		21,350	6		37,229	1	15,879

SPACE USE 1,2	ED SPEC REQ'D			MADISON CONCEPTUAL			DELTA (EdSpec - C)	
	Quantity	Room Area	Area	Quantity	Room Area	Area	Quantity	Area (n)
CORE PROGRAM AS*Sub-Total Ed Support - Student Center / Commons*	0		12,620	0		14,185	0	1,565
Sub-Total Ed Support - Media Center / Library	1		5	1		9,434	0	(786)
Sub-Total Ed Support - Student Space	0		200	0		356	0	156
Sub-Total Ed Support - Custodial	0		3,850	0		4,056	0	206
Sub-Total Ed Support - Miscellaneous	0		10,045	0		11,395	0	801
SUB-TOTAL REQUIRED EDUCATIONAL SUPPORT	13		67,400	13		70,019	0	2,619

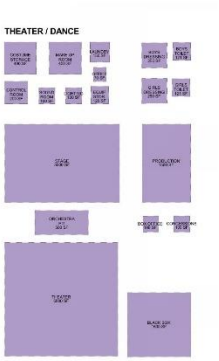
MAIN LEVEL



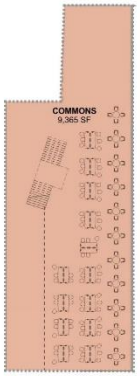
UPPER LEVEL



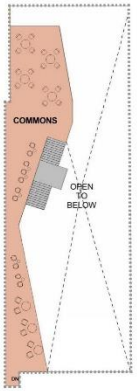
ED SPEC



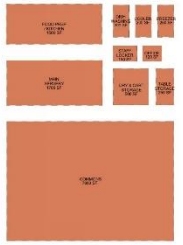
MAIN LEVEL



UPPER LEVEL

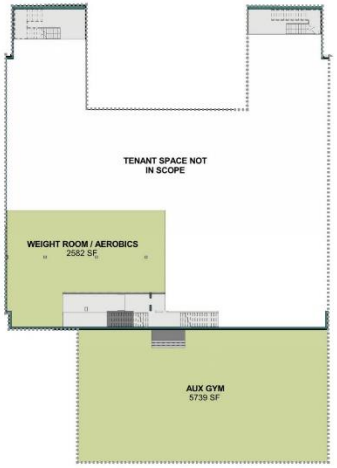


ED SPEC

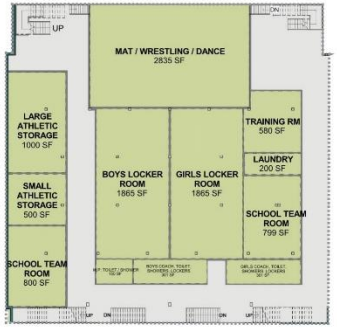


STUDENT CENTER / COMMONS

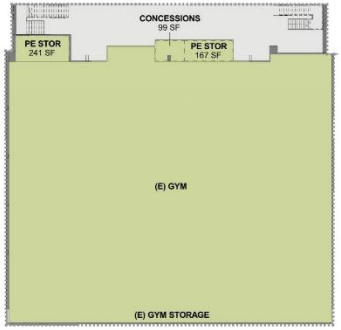
BASEMENT 02



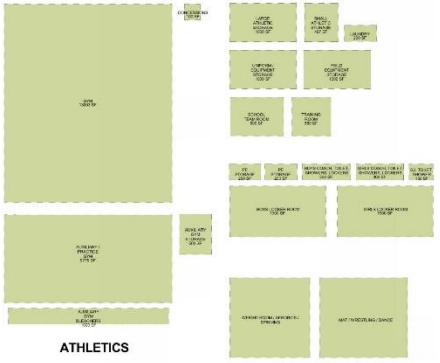
BASEMENT 01



LOWER LEVEL



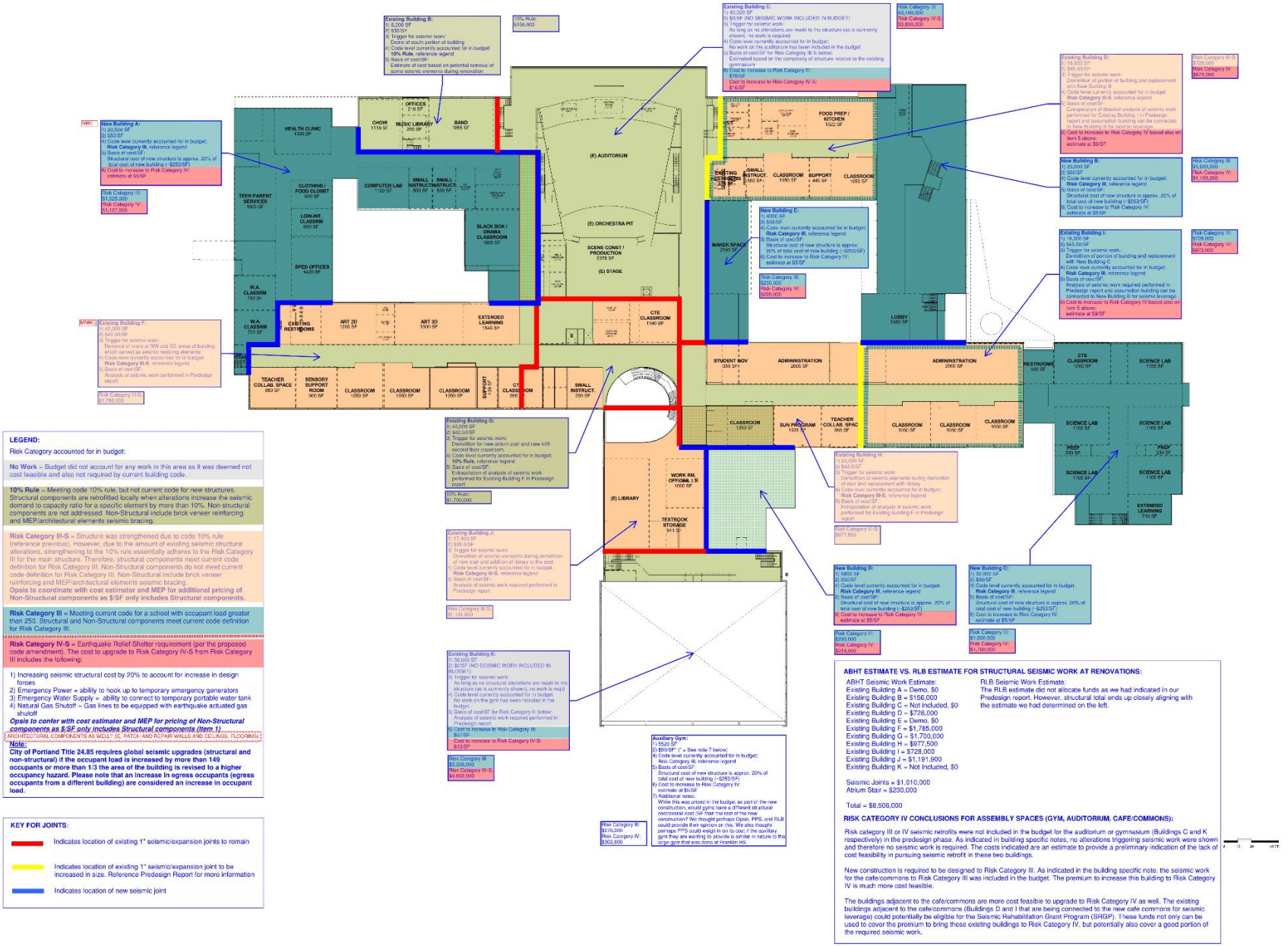
ED SPEC



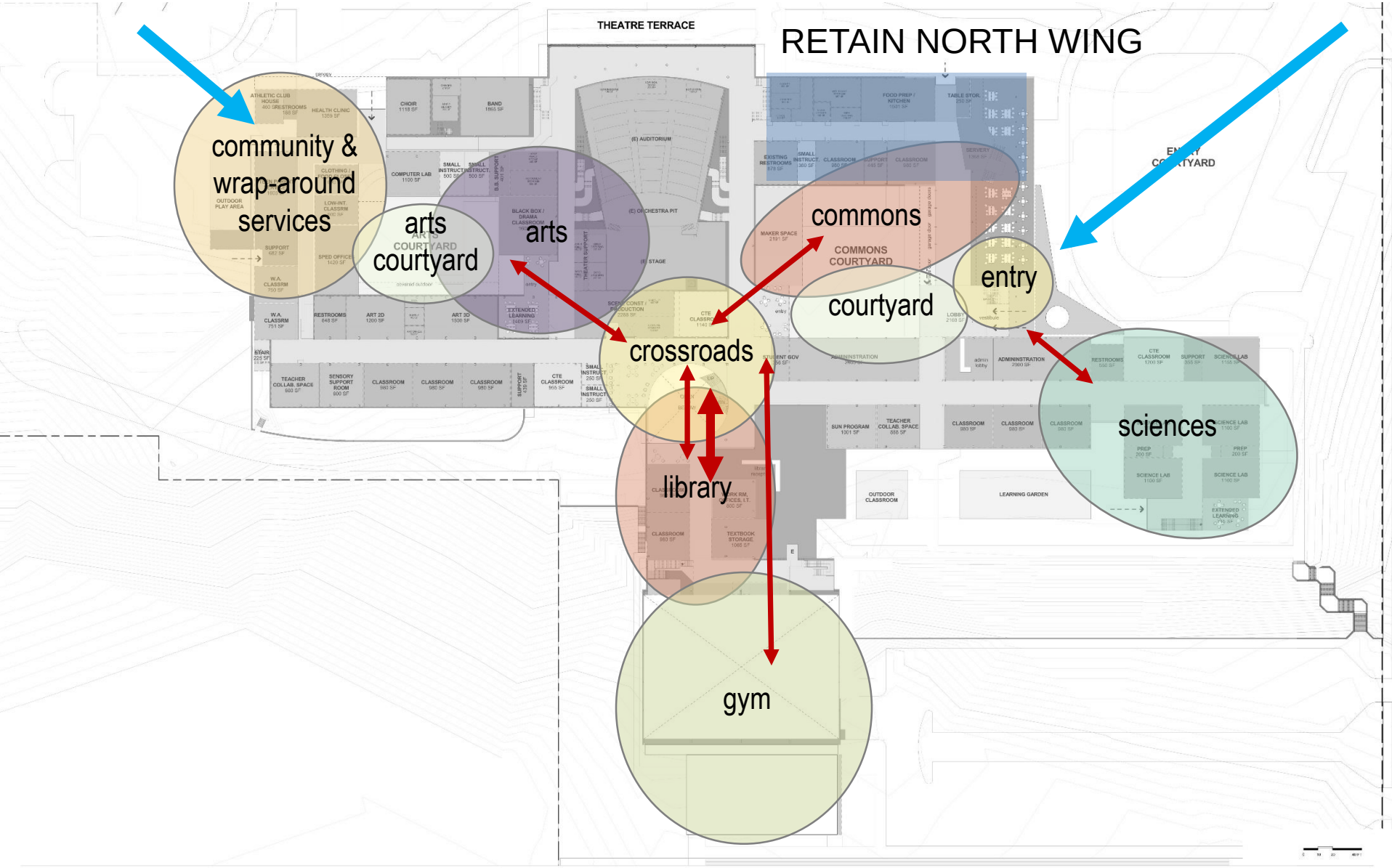
ATHLETICS

SPACE USE 1,2	ED SPEC REQ'D			MADISON CONCEPTUAL			DELTA (EdSpec - C)	
	Quantity	Room Area	Area	Quantity	Room Area	Area	Quantity	Area (n)
PHYSICAL EDUCATION/ATHLETICS								
Sub-Total Large Gymnasium	4		28,380	4		31,021	0	2,641
Sub-Total Auxilary Gym	1		7,200	1		5,739	0	(1,461)
SUB-TOTAL REQUIRED PHYSICAL EDUCATION / ATHLETICS	5		35,580	5		36,760	0	1,180

DUE DILIGENCE STRUCTURE /SEISMIC



RELATIONSHIP STUDY



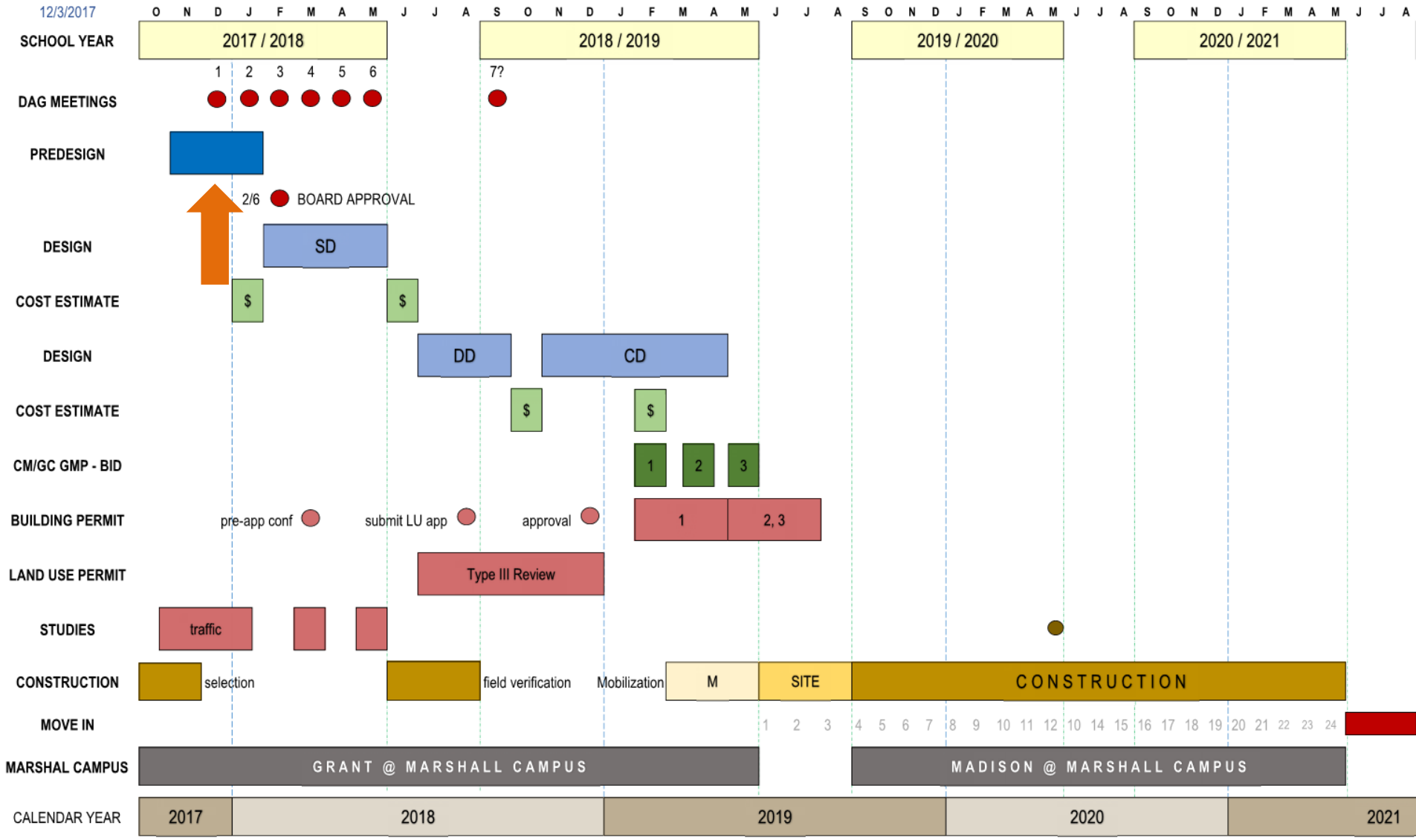
COST OPTIONS

12.1.2016	Estimated Construction Cost	$104 Million
12.1.2016	PPS Madison Budget	$ 95 Million
One Year Escalation =		appx $5 Million

MPC Design Priorities Exercise

Due Diligence Optional Priorities	Sum	Rank
G. Modify scope of "Beacon" (renovation & new)	32	1
E. Add an atrium at the "Crossroads"	41	2
H. Improve net/gross efficiency by 5%	44	3
A. South Slope Stairs	50	4
C. Stadium upgrades	51	5
I. Reduce scope of gymnasium	51	6
F. Auditorium size reduction (re-purpose for instruction)	55	7
B. South yard improvements	56	8
J. Reduce scope of improvements to basement lease space	60	9
D. Field upgrades	63	10

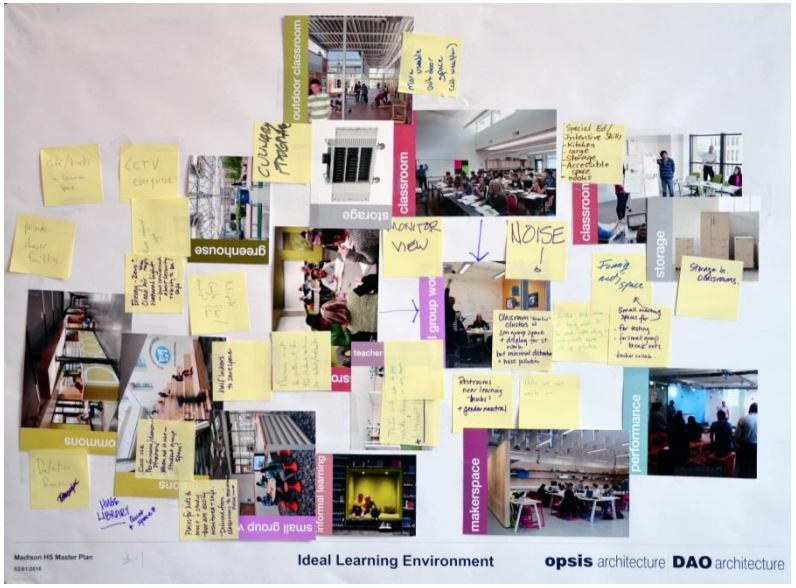
SCHEDULE


12/3/2017
SCHOOL YEAR
2017 / 2018
2018 / 2019
2019 / 2020
2020 / 2021
DAG MEETINGS
1 2 3 4 5 6
7?
PREDESIGN
2/6 BOARD APPROVAL
DESIGN
SD
COST ESTIMATE
$
$
DESIGN
DD
CD
COST ESTIMATE
$
$
CM/GC GMP - BID
1
2
3
BUILDING PERMIT
pre-app conf
submit LU app
approval
1
2, 3
LAND USE PERMIT
Type III Review
STUDIES
traffic
CONSTRUCTION
selection
field verification
Mobilization
M
SITE
CONSTRUCTION
MOVE IN
1 2 3 4 5 6 7 8 9 10 11 12 10 14 15 16 17 18 19 20 21 22 23 24
MARSHAL CAMPUS
GRANT @ MARSHALL CAMPUS
MADISON @ MARSHALL CAMPUS
CALENDAR YEAR
2017
2018
2019
2020
2021

LEARNING SPACE INTERACTIVE

As many learning pedagogies move toward more interdisciplinary, project-based and individualized modalities our building designs should anticipate a wider range of multiple uses for spaces. A variety of space sizes and functionalities can support these activities.

For this exercise we want groups to explore two key areas of the Masterplan to imagine the learning possibilities by the grouping together programs and spaces.



LEARNING SPACE INTERACTIVE

CAREER TECHNICAL EDUCATION (CTE) PROGRAMS

Computer Science - Robotics, 3D modeling and Animation
Design and Applied Arts – 3-D design, ceramics & sculpture, textiles
Digital Media
Engineering – Engineering, Digital electronics, Robotics
Health Sciences – Anatomy & Physiology, Medical Interventions, Biomedical Science, Health Services
Sustainable Agriculture – Urban Framing, AP Environmental, and Senior Capstone

SCIENCE PROGRAMS

Physics
Chemistry, AP Chemistry
Biology, AP Biology
Biomedical Science
Forensic Science
AP Environmental Science
Sustainable Agriculture

MAD ARTS

Digital Design – graphic design, photography, video
Fine Arts – foundations, inter/advanced - painting, drawing, ceramics, printmaking
Sculpture (CTE) – Ceramics & Sculpture, Textiles, 3D design

PLAYING CARDS

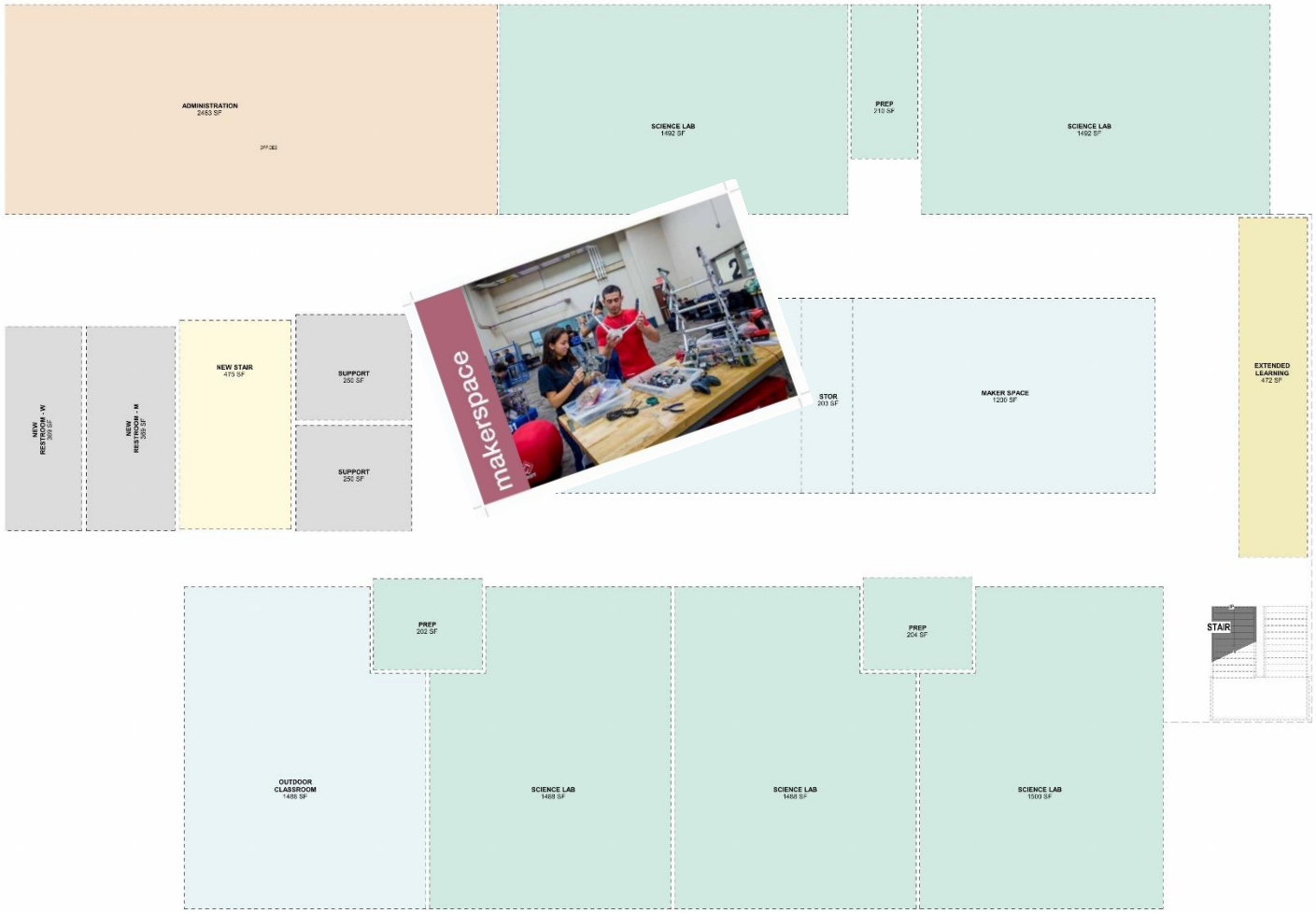
makerspace

inclusive

performance

adaptable

GAME BOARD


ADMINISTRATION
2463 SF
SCIENCE LAB
1492 SF
PREP
210 SF
SCIENCE LAB
1492 SF
NEW RESTROOM - W
369 SF
NEW RESTROOM - M
369 SF
NEW STAIR
475 SF
SUPPORT
250 SF
SUPPORT
250 SF
makerspace
STOR.
200 SF
MAKER SPACE
1200 SF
EXTENDED LEARNING
472 SF
PREP
202 SF
PREP
204 SF
STAIR
OUTDOOR CLASSROOM
1486 SF
SCIENCE LAB
1488 SF
SCIENCE LAB
1488 SF
SCIENCE LAB
1500 SF

GAME BOARD


THEATER LOBBY
OFFICE
105 SF
OFFICE
105 SF
CHOIR
1090 SF
MUSIC LIBRARY
303 SF
BAND
1805 SF
(E) STAIR
ELL
760 SF
EXISTING
RESTROOM - M
140 SF
(E) STAIR
(E) AUDITORIUM
(E) STAIR
EXISTING
RESTROOMS
807 SF
NEW STAIR
476 SF
CLOTHING /
FOOD CLOSET
858 SF
LARGE PRACT
ROOM
400 SF
INSTRUMENT
STORAGE
350 SF
B.B. SUPPORT
400 SF
adaptable
(E) ORCHESTRA PIT
EXTENDED
LEARNING
576 SF
MAKE-UP
400 SF
(E) STAGE
EXTERIOR
WORK AREA
COSTUME
STORAGE
468 SF
SUPPORT
452 SF
ART 2D
1200 SF
ART 3D
1500 SF
EXTENDED
LEARNING
1022 SF
SUPPORT
400 SF
EXTENDED
LEARNING
368 SF
COMPUTER LAB
1100 SF
SMALL
INSTRUCT.
268 SF

DAG NEXT STEPS

DAG Meeting 2	**January 22**	Review MP Update
Final Report to Board	January 23	
Board Master Plan Update Review	February 20	
DAG Meeting 3	**February 26**	Franklin HS Tour
Optional Meeting	February TBD	Roosevelt HS Tour
DAG Meeting 4	**March 19**	Design Options
DAG Meeting 5	**April 16**	Preferred Option
DAG Meeting 6	**May 14**	Review Schematic Design
DAG Meeting 7 – If Required	September