BENSON POLYTECHNIC H.S. MPC #12 / MAY 04, 2017

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AGENDA /

6:00- 6:10	**Introduction & Update**
	Review Agenda
	Process Update
	+ Student Engagement
	+ Steps Forward
6:10 - 7:00	**Future Industry Trends (Small Group Activity)**
10 min	Educational Specification Overview
30 min	Small Group Discussion and Brainstorming
	+ Identify potential trends in the industries related to Benson
	+ Identify trends to inlcude in Ed Spec
10 min	Report Back
7:00 - 7:45	**Design Refinement (Group Activity)**
15 min	Scheme L.1 Review
	Design Approach and Imagery Overview - Historic, Contextual, Juxtaposition
20 min	Image Boards Activity
10 min	Report Back
7:45 - 8:00	**Wrap-Up**
5 min	Subcommittee Report
5 min	Public Comment
5 min	Closing Thoughts & Next Steps

Next MPC Meeting: TBD

PROCESS UPDATE / PORTLAND PUBLIC SCHOOLS

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PROCESS UPDATE / STUDENT ENGAGEMENT

"I love having the freedom to build what I want"
-Benson Student

"We need more windows.... and cooling"
-Benson Student

TASKS SINCE LAST MPC

+ Student information gathering at lunch periods
+ Architecture Jr. class outreach

AFTER BOND, IF "APPROVED"

+ Student focus groups
+ Facebook surveys
+ Identify student projects, integrate into design process

PROCESS UPDATE / STEPS FORWARD

TASKS SINCE LAST MPC

+ Pre-Diligence Report Draft
+ Educational Specification Draft
+ Design Refinement - Scheme L.1
+ Advisory Survey Input

AFTER BOND, IF “APPROVED”

+ Key Meetings:
    + Portland Bureau of Transportation (PBOT)
    + Portland Landmarks Commission
    + Portland Bureau of Development Services
+ Existing Conditions Investigation:
    + Phase II Environmental Report
    + Geotechnical Testing
    + Structural Testing
    + Traffic Impact Report
+ Educational Specification Refinement

FUTURE INDUSTRY TRENDS / SMALL GROUP ACTIVITY

Focus Option Educational Specification
Benson Polytechnic High School
April 28, 2017

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Pre-Design Diligence Report
Benson Polytechnic High School
April 28, 2017

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PORTLAND PUBLIC SCHOOLS
Health, Safety and Modernization Bond
www.pps.net/bond2017

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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.

Benson Polytechnic High School DRAFT 04.28.2017
Program Summary

Program Space	Teaching Stations		Total (SF)
Academic Programs	48		51,760
CTE Programs	43		111,846
Other Programs	0		3,800
Fine & Performing Arts	0		22,381
PE/Athletics	5		43,195
Education Support	0		47,200
Wrap-Around Services	0		4,930
Space Totals			285,112
Circulation & Walls (Approx. 29 - 32%)		82,888 -	90,888
GRAND TOTAL RANGE*	**96**	**368,000 -**	**376,000**

*Area total provided is a target based on information gathered from Benson Tech staff, administration and equipment surveys. Final building area to be determined in design, and may vary based on extent of work and existing conditions.

Benson Polytechnic High School DRAFT 04.28.2017
Detailed Program

Program Space	Teaching Stations	Quantity	Area (SF)	Total (SF)	Refer to PPS Comprehensive Ed Spec for Room Data
Academic Learning Communities					
Academic Classrooms				*25,000*	
General Classrooms	28	28	850	23,800	
Small Classrooms	2	2	600	1,200	
Specialized Classrooms				*12,900*	
Science	9	9	1,300	11,700	
Prep w/ Chemical Storage		3	200	600	
ELL	1	1	600	600	Y
SPED				*5,610*	
Low Intensity Classroom	8	8	600	4,800	
Speech Pathologist Office		3	100	300	Y
Psychologist Office		3	120	360	Y
Conference Room		1	150	150	Y
Academic Support Spaces				*8,250*	
Flexible Learning Areas		5	900	4,500	
Academic Teacher Planning		5	600	3,000	
Academic Conference Rooms		5	150	750	
Academic Programs	**48**			**51,760**	
CTE Programs					
Design and Applied Arts				*3,110*	
2D Art Lab	1	1	1,200	1,200	
3D Art Lab	1	1	1,500	1,500	
Kiln Room		1	100	100	
Art Storage Room		1	160	160	
Teacher Planning		2	75	150	
Outdoor Work Area				500	
Architectural Design				*4,360*	
Freshman Drafting Classroom	1	1	980	980	
Sophomore Architecture Lab	1	1	980	980	
Junior/Senior Architecture Lab	1	1	1,200	2,025	
Pin-Up/Presentation/Small Classroom		1	600	incl. above	
Plot/Print/Layout Room		1	225	incl. above	
Storage		1	150	150	
Teacher Planning		3	75	225	
Automotive & Aviation				*22,160*	
Freshman Classroom	1	1	2,000	2,000	
Sophomore Shop	1	2	2,000	4,000	
Junior/Senior Shop	1	1	4,000	4,000	
Junior/Senior - Diesel Shop	1	1	4,000	4,000	
Small Classroom (Shop Support)		4	600	2,400	
Equipment and Tool Storage		2	1,200	2,400	
Outdoor Storage		3	120	360	
Teacher Planning		4	75	300	
Outdoor Work Area				1,500	
Aviation Design Shop		1	2,000	2,000	
Aviation Testing Lab		1	300	300	
Aviation Storage		1	400	400	
Computer Engineering				*4,725*	
Freshman Classroom	1	1	1,200	1,200	
Sophomore Classroom	1	1	1,200	1,200	
Junior/Senior Lab	1	1	1,800	1,800	
Storage		1	150	150	
Server Closet		1	150	150	
Teacher Planning		3	75	225	
Construction				*9,275*	
Sophomore Shop	1	1	2,000	2,000	
Junior/Senior Shop	1	1	4,500	4,500	

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RECENT DRAFT

+ Academic Learning Communities
+ CTE Programs

NEXT DRAFT

+ Executive Summary
+ Other Programs
+ Performing Arts
+ PE/Athletics
+ Educational Support
+ Wrap Around Services

FURTHER REFINEMENT

+ Specialized Systems Details
+ Advisory & Industry Input

ED SPEC SUMMARY / DESIGN & APPLIED ARTS

Summary

The Design & Applied Arts CTE Program requires two lab spaces to support drawing/sketching/painting within a 2D Lab, and sculpting within a 3D Lab. The 3D Lab also needs an adjacent kiln room and access to outdoor space to allow Raku firing. Storage and Teacher Planning should be provided between the two lab spaces so they can be shared, providing easy access to both spaces, and allowing for teacher supervision of the learning spaces.

Program Space	Teaching Stations	Quantity	Area (SF)	Total (SF)
Design and Applied Arts				*3,110*
2D Art Lab	1	1	1,200	1,200
3D Art Lab	1	1	1,500	1,500
Kiln Room		1	100	100
Art Storage Room		1	160	160
Teacher Planning		2	75	150
Outdoor Work Area				500

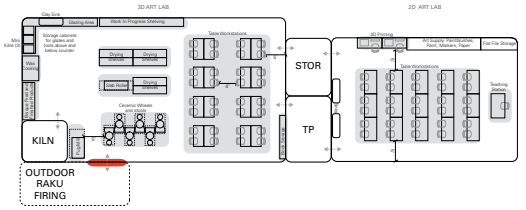
Other Program Adjacencies

+ Manufacturing
+ Digital Media
+ Architecture

Future Trends in the Industry

Due to the need to support a wide range of possibilities for personal expression, the potential trends in Applied Arts are wide and varied. A few examples include:

+ Digital Mixed Media
+ Virtual Reality
+ Kinetic Sculpture (Wood, Metal, etc.)
+



BENSON POLYTECHNIC HIGH SCHOOL / 2017.05.04

SMALL GROUP DISCUSSION / 30 MINUTES

REPORT BACK / 10 MINUTES

DESIGN REFINEMENT / SCHEME L.1

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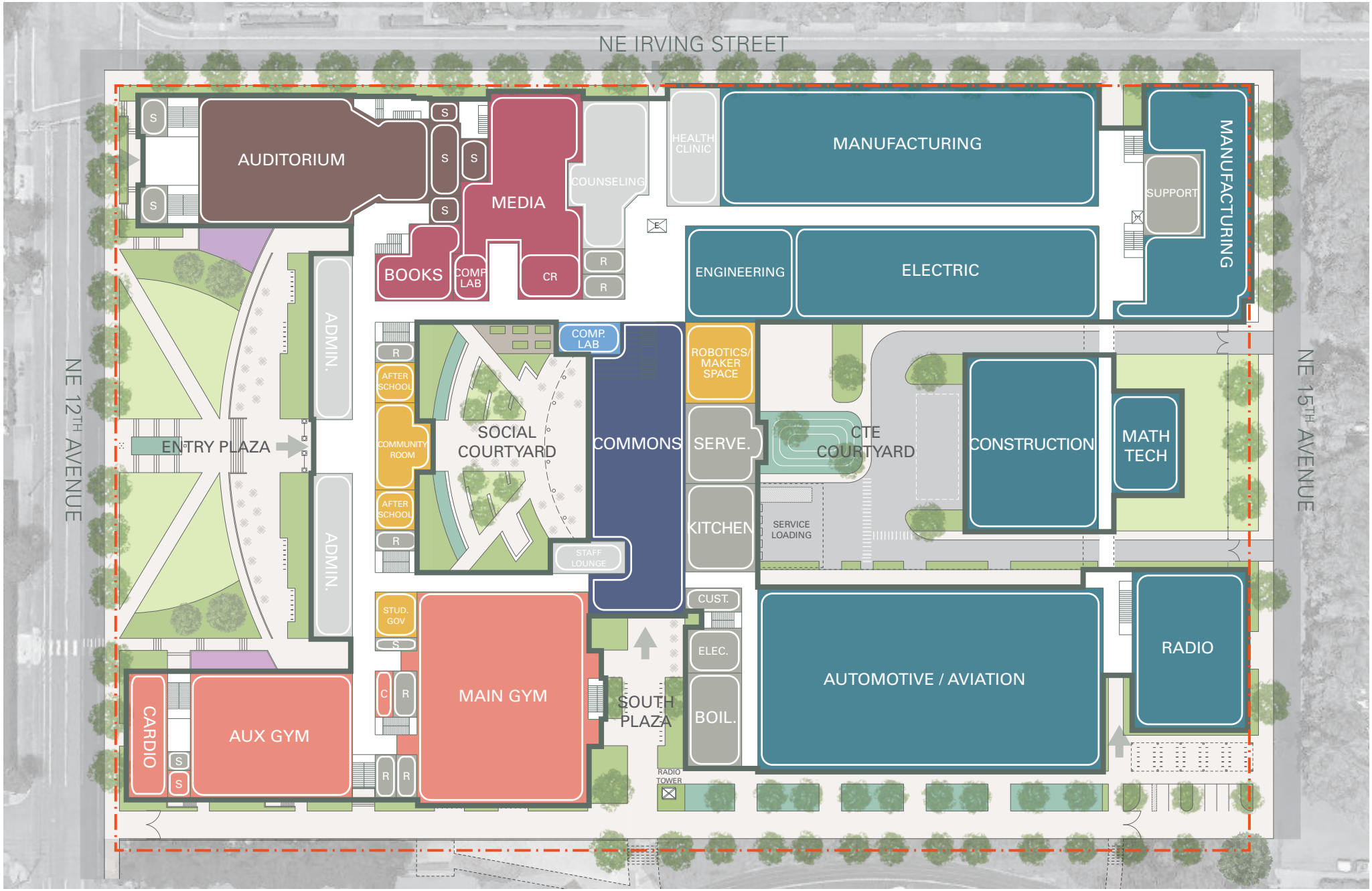
SCHEME L.1 / GROUND LEVEL



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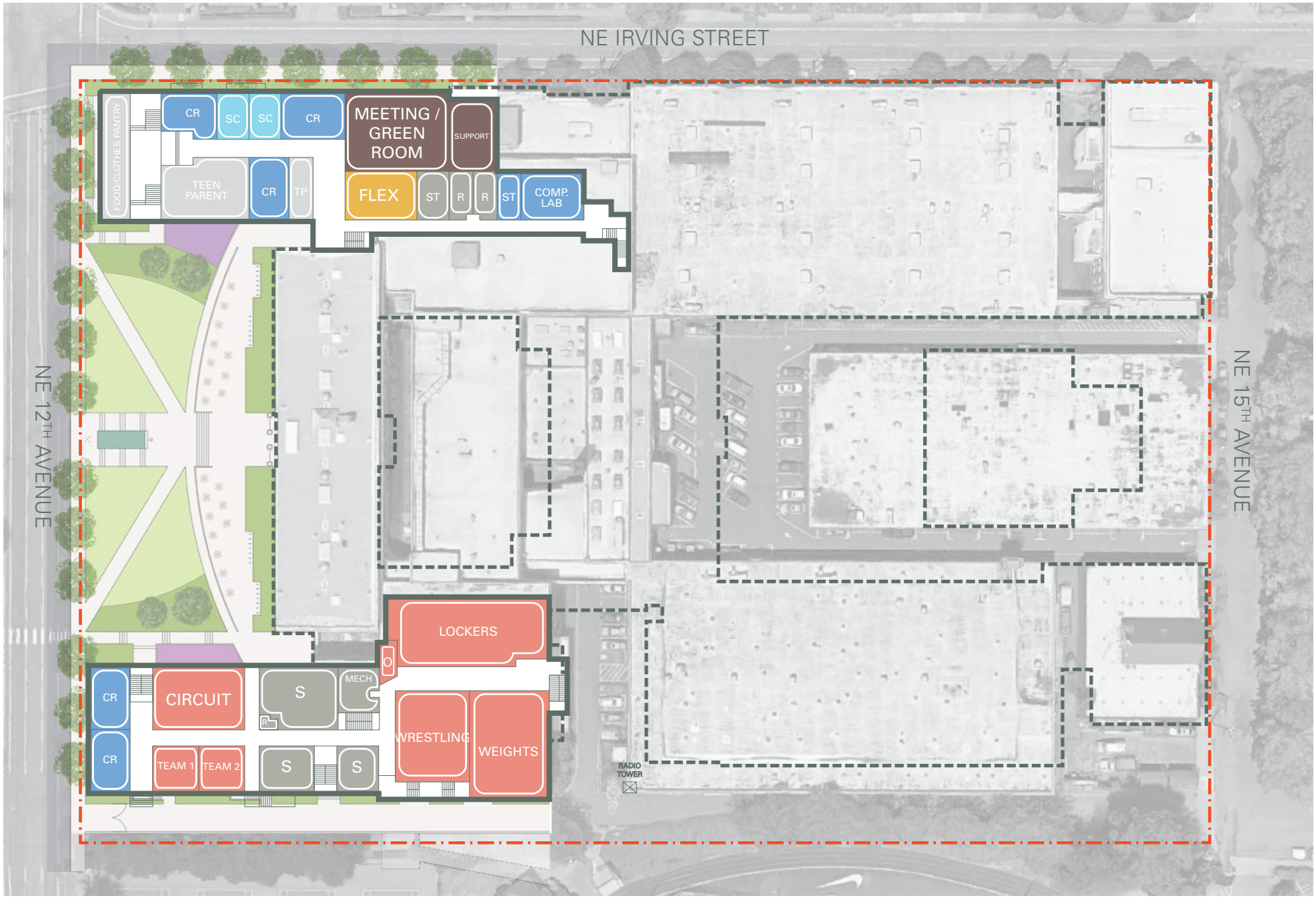
SCHEME L.1 / LOWER LEVEL



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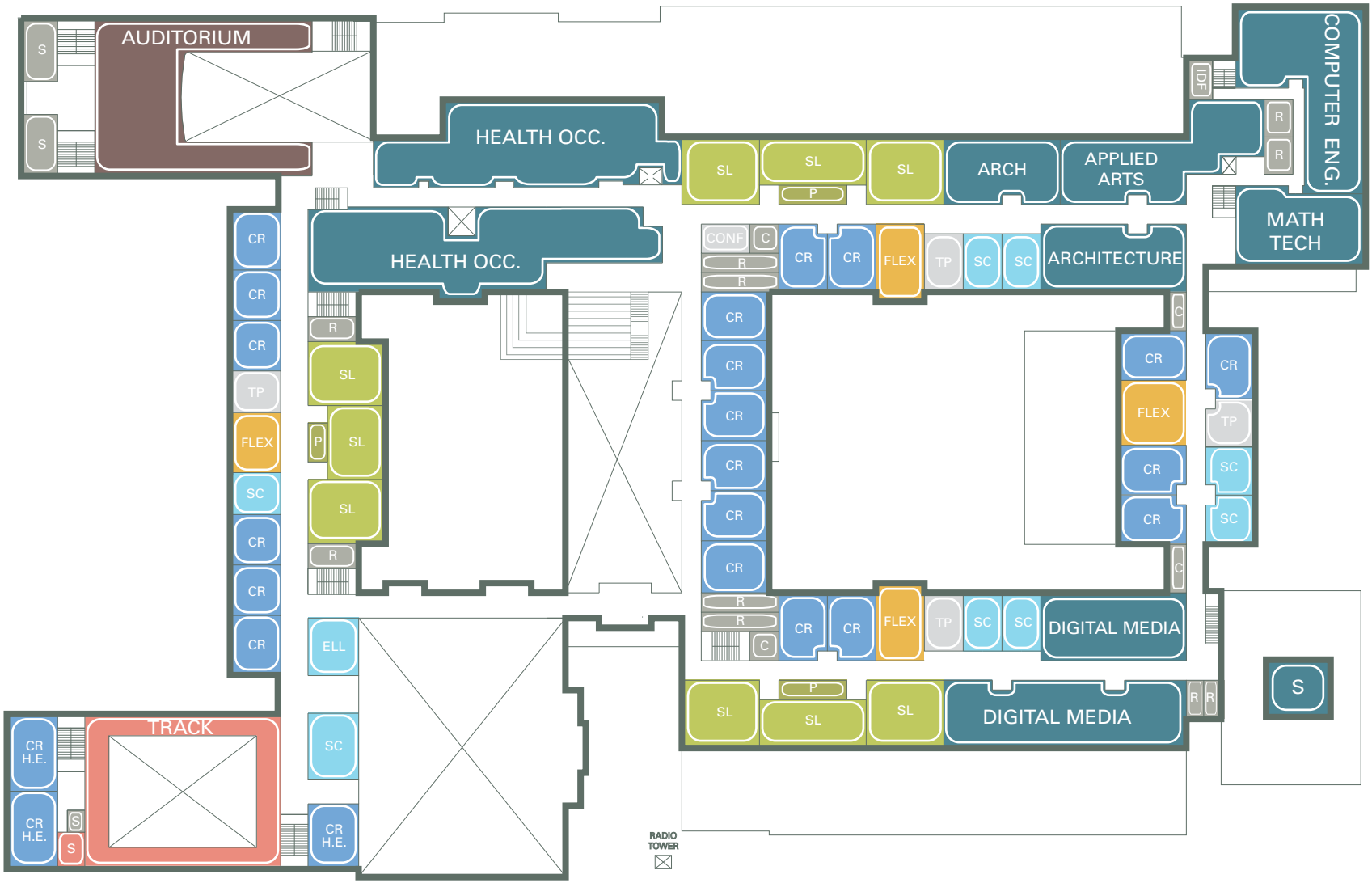
SCHEME L.1 / UPPER LEVEL



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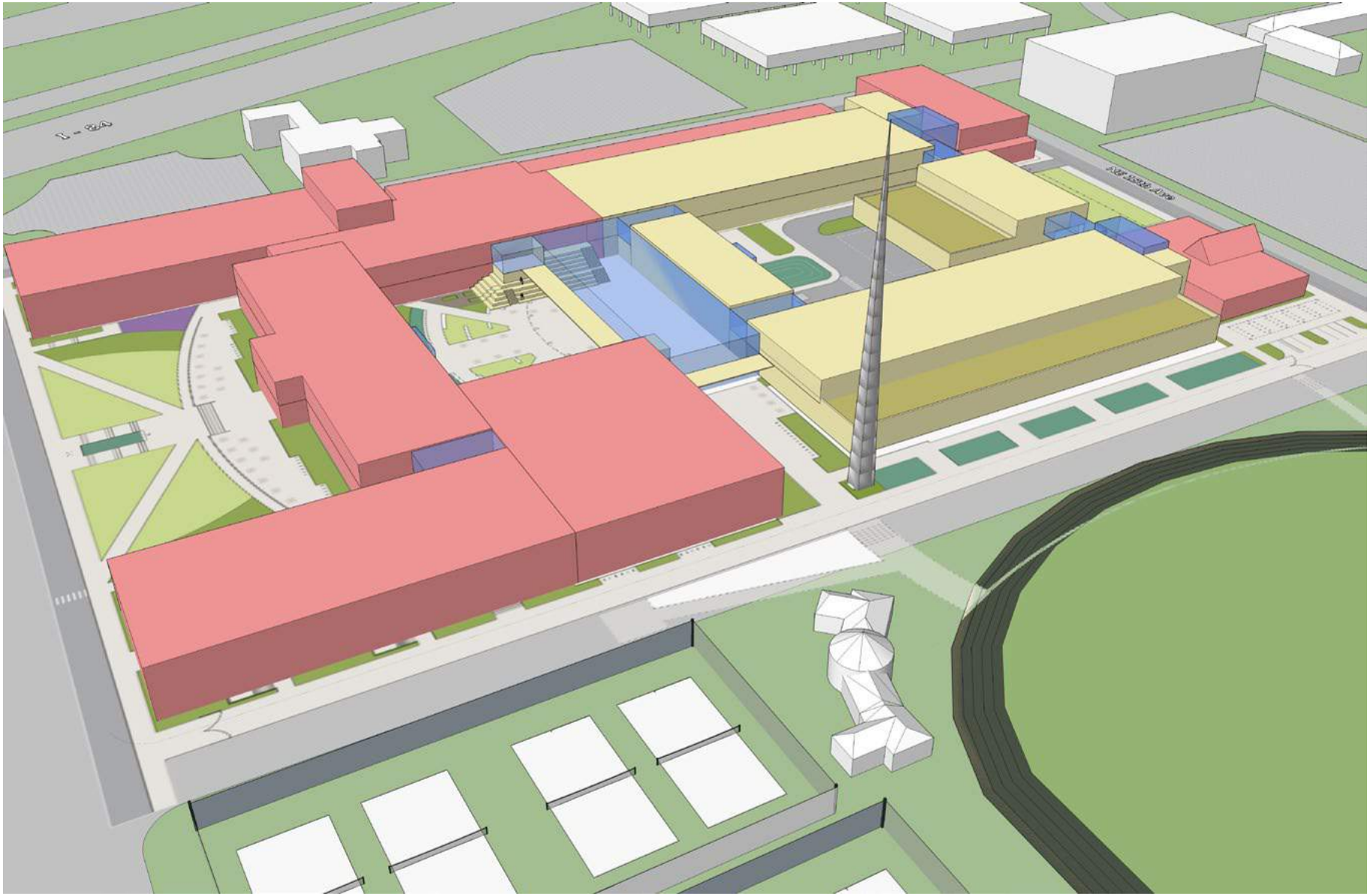
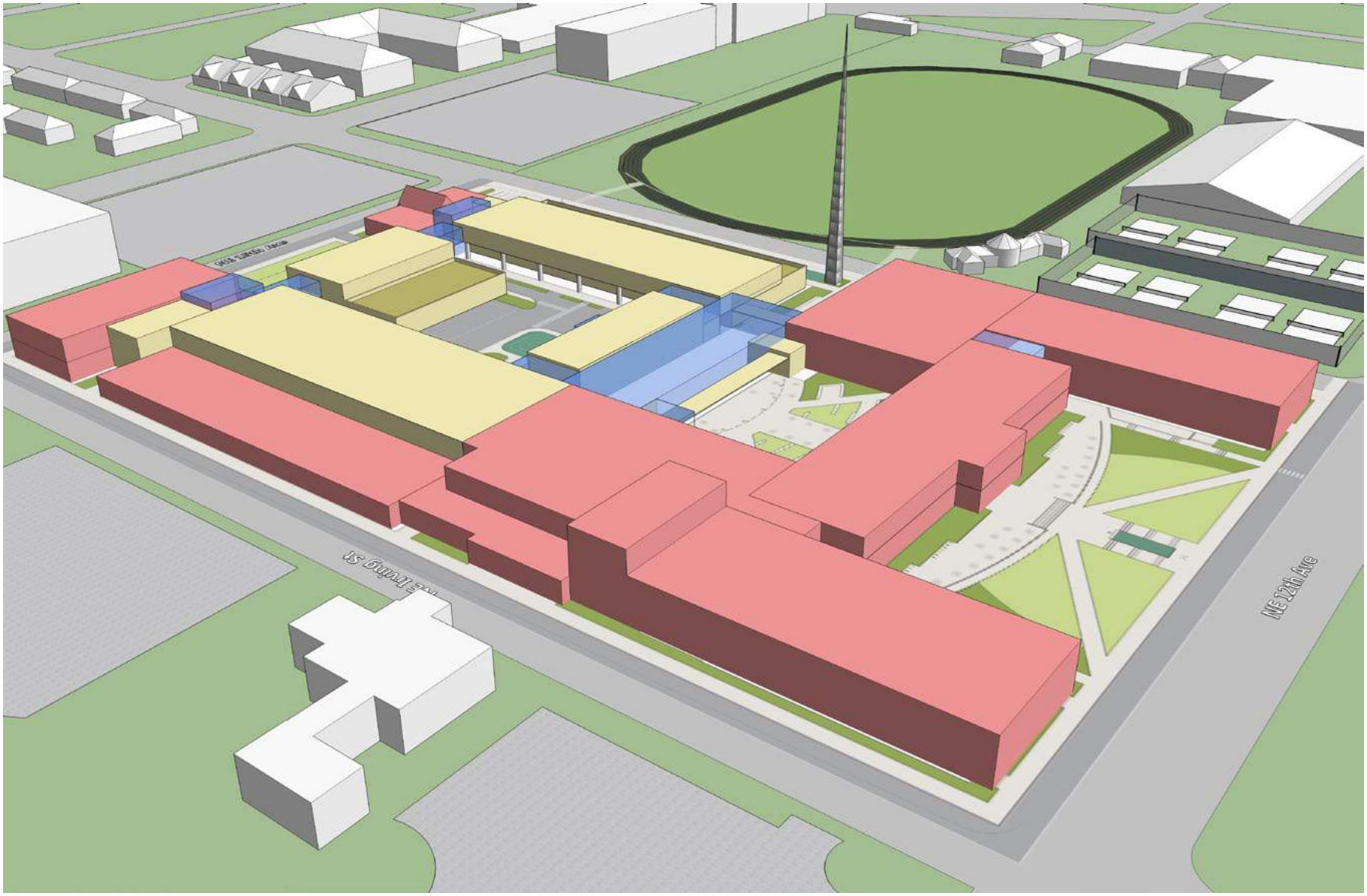
SCHEME L.1 / 3D MASSING



VIEW FROM SW

SCHEME L.1 / 3D MASSING



VIEW FROM NW

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SCHEME L.1 / 3D MASSING

VIEW FROM NE

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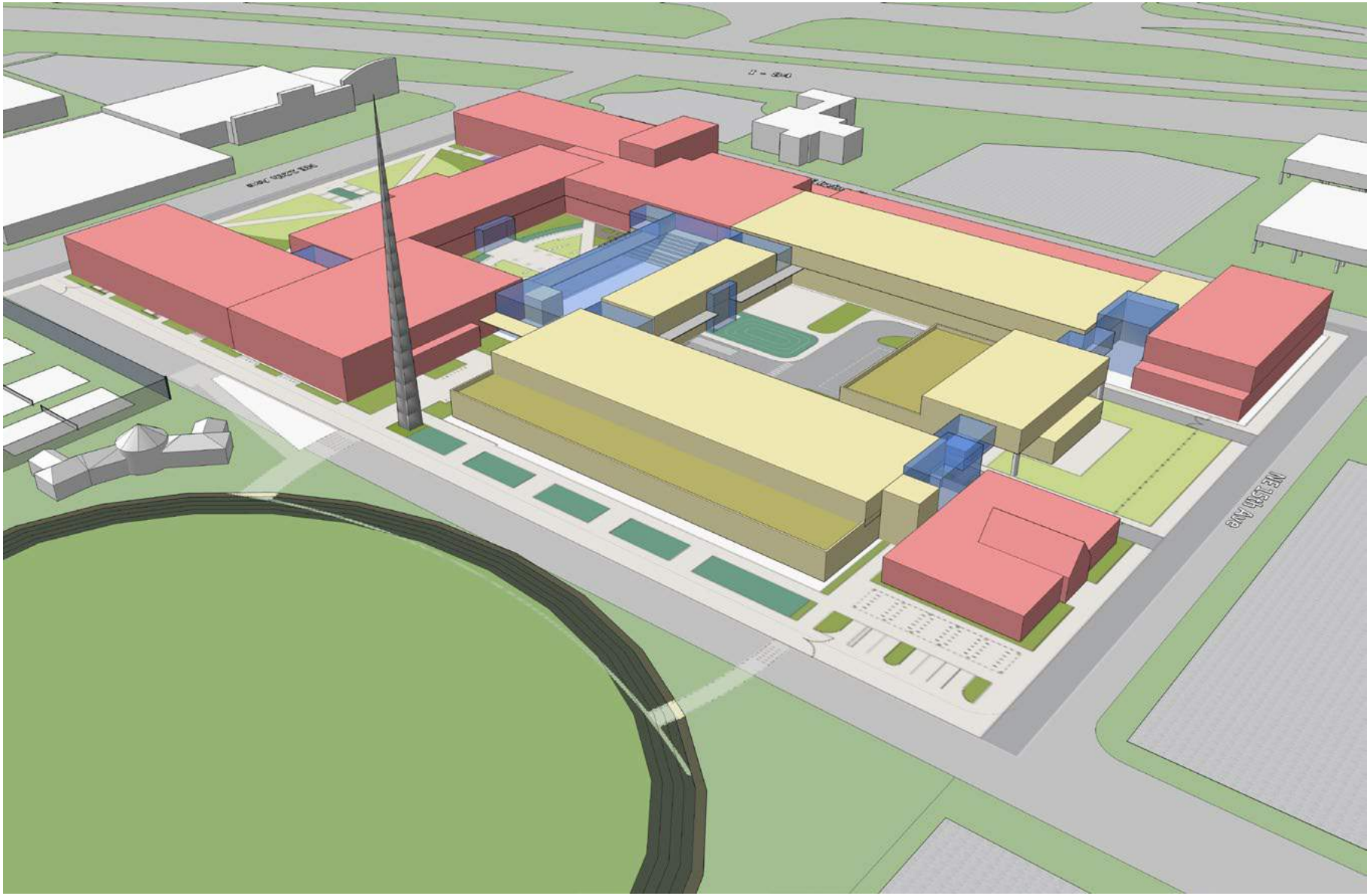
SCHEME L.1 / 3D MASSING



VIEW FROM SE

FEEDBACK / SCHEME L.1

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IMAGE BOARDS / DESIGN ACTIVITY

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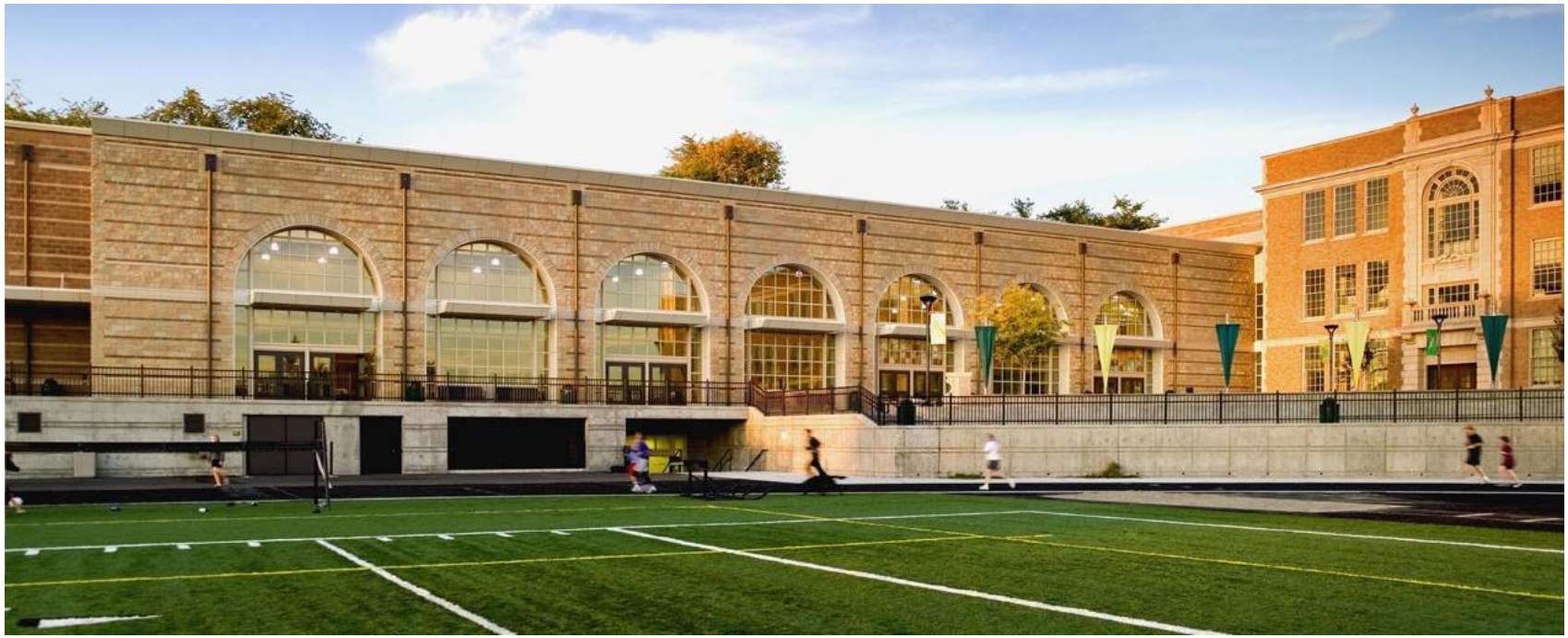
IMAGERY OVERVIEW / HISTORICAL

IMAGERY OVERVIEW / CONTEXTUAL

IMAGERY OVERVIEW / CONTEXTUAL



Roosevelt [illegible]gh School, Seattle

IMAGERY OVERVIEW / JUXTAPOSITION

IMAGERY OVERVIEW / JUXTAPOSITION

Roosevelt High School, Portland

IMAGE BOARDS / 20 MINUTES

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REPORT BACK / 10 MINUTES

SUBCOMMITTEE REPORT / 5 MINUTES

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PUBLIC COMMENT / 5 MINUTES

CLOSING THOUGHTS & NEXT STEPS / 5 MINUTES

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THANK YOU. /

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