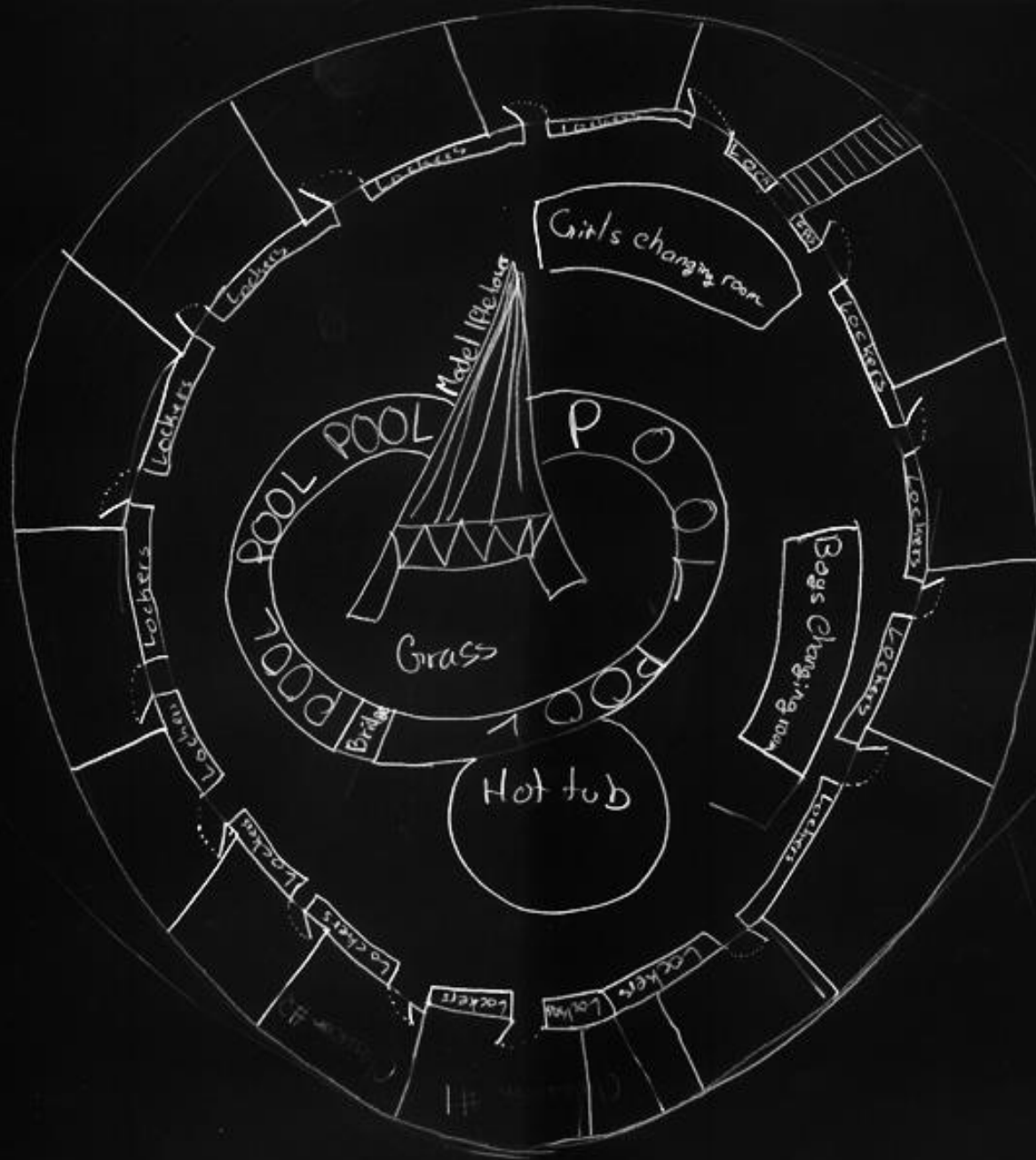


BROOKLINE 9TH ELEMENTARY SCHOOL FEASIBILITY STUDY

*“Three things we have left of
paradise: the stars, the flowers and
children.”*

- attributed to Dante Alighieri

Jeannie



1



Henry
Vettel

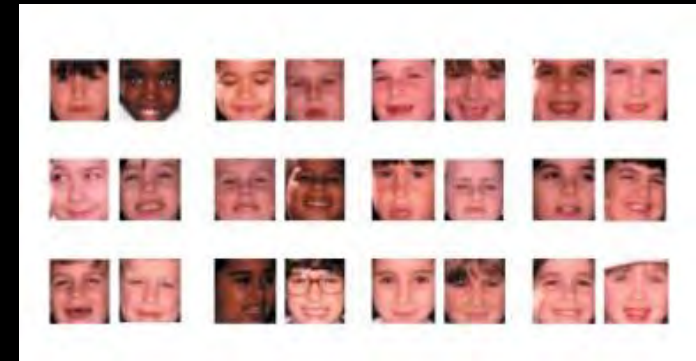
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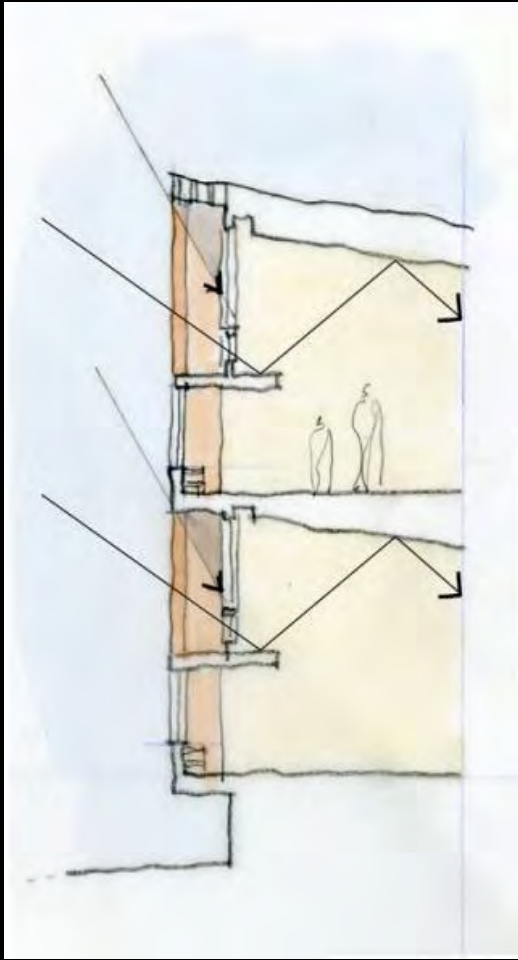
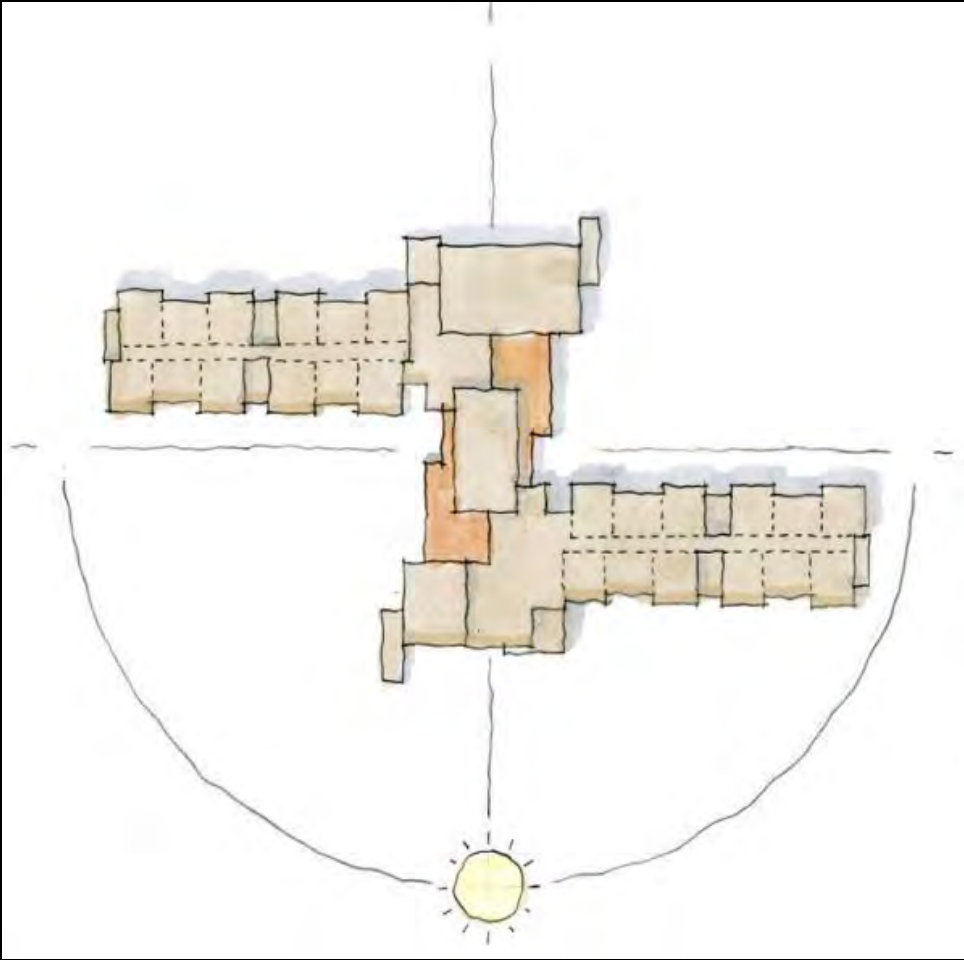
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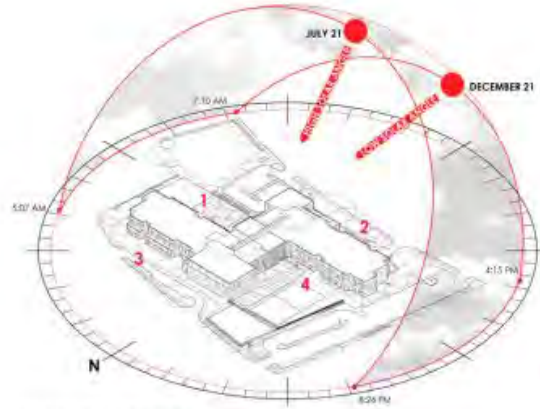


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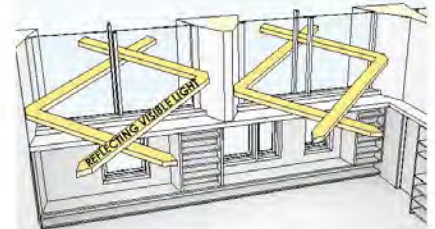
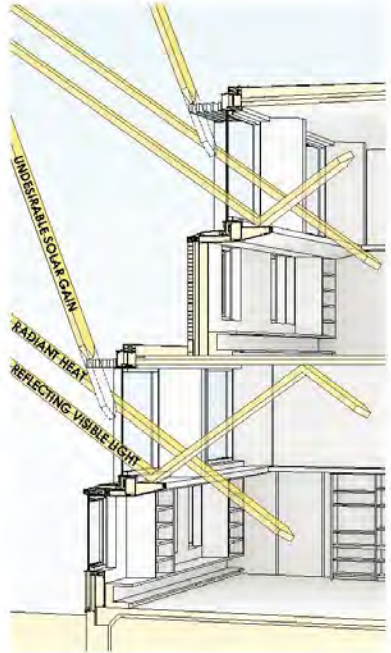






- 1 SOUTH FACING LOWER SCHOOL
ENLARGED GROUND FLOOR CLASSROOM, RECESSED WINDOWS, EXTERIOR LIGHT SHELF, SUNSCREEN
- 2 SOUTH FACING INTERMEDIATE SCHOOL
TYPICAL DEPTH CLASSROOMS, RECESSED WINDOWS, EXTERIOR LIGHT SHELF, SUNSCREEN
- 3 NORTH FACING LOWER SCHOOL
ENLARGED GROUND FLOOR CLASSROOM, FLUSH WINDOWS, INTERIOR LIGHT SHELF, NO SUNSCREEN
- 4 NORTH FACING INTERMEDIATE SCHOOL
TYPICAL DEPTH CLASSROOMS, FLUSH WINDOWS, INTERIOR LIGHT SHELF, NO SUNSCREEN

Above Top, Façade Differentiation
Above Bottom, Classroom Wing Solar Orientation
Right, South Facing Intermediate School Wing



Left, Solar Control and Harvesting Envelope of Classrooms
Above, Light Reflecting Jabs
Right, Port-hall Type Classroom







RESIDENTIAL SCALE



RELATION TO OUTDOORS



RELATION TO OUTDOORS



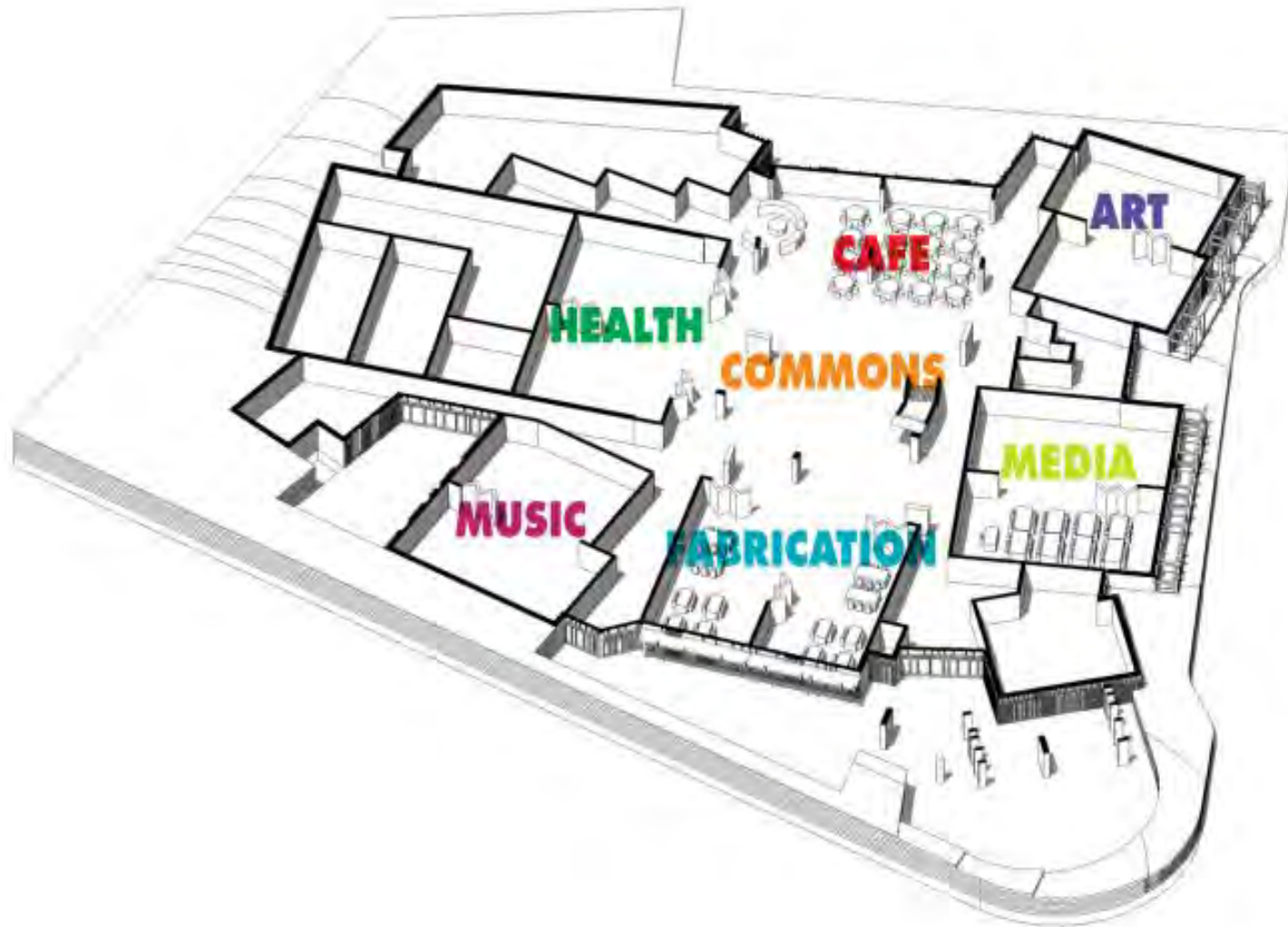
CO-CREATION COMMONS



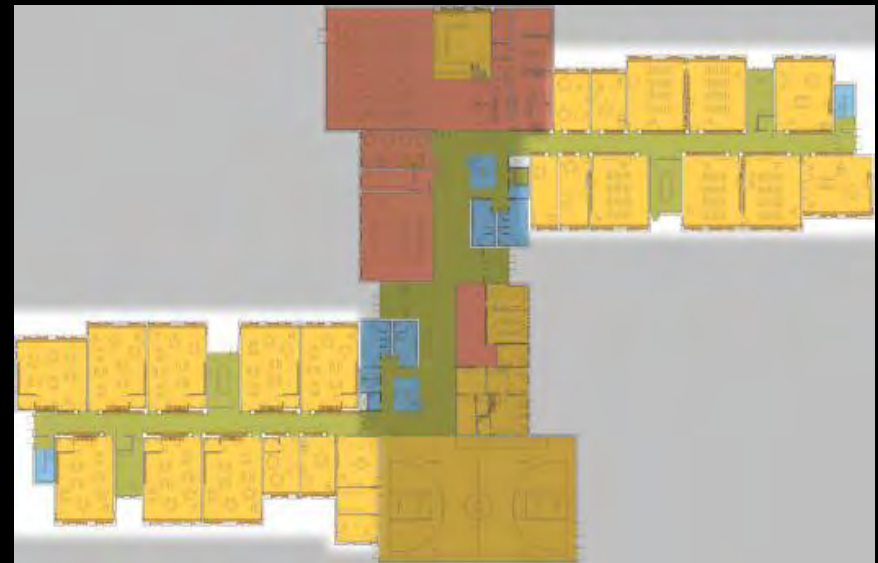
By 2020, 1/3 of employees will no longer work at an office

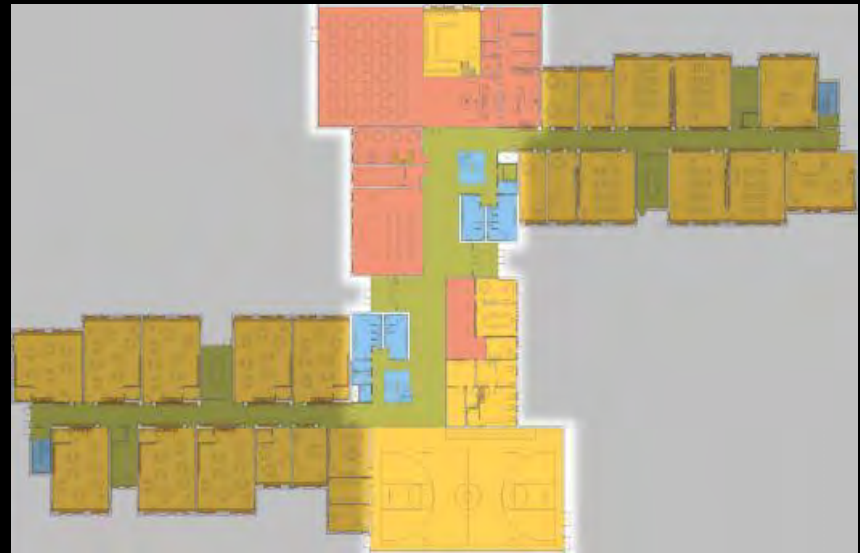
Office space will be reduced by 7% in the next two years, by 16% in 2020

By 2020, 6 desks will be shared by every 10 workers



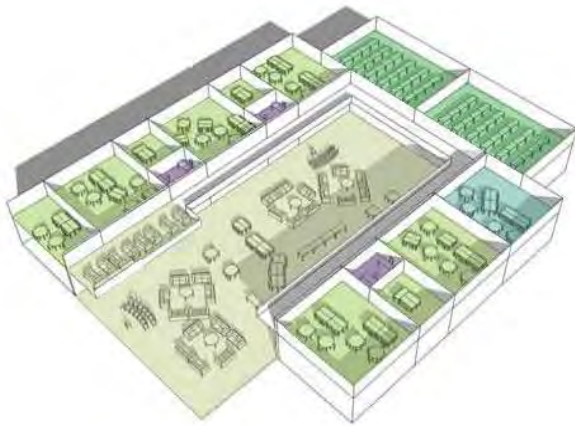






COLLABORATION + TECHNOLOGY

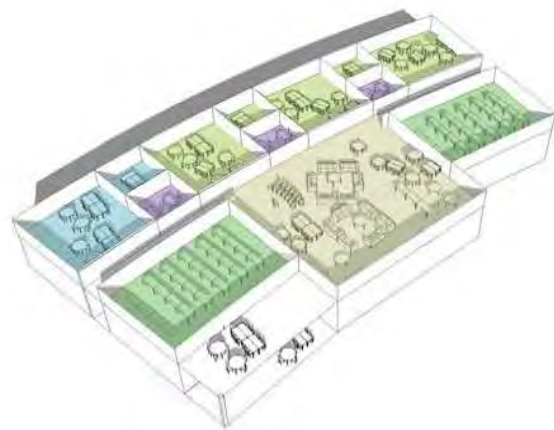
CO-CREATIVE
INTER-DISCIPLINARY
PROJECT-BASED
IMPROVISATORY
FLEXIBLE
OPEN TO CHANGE
GROUP THINK!



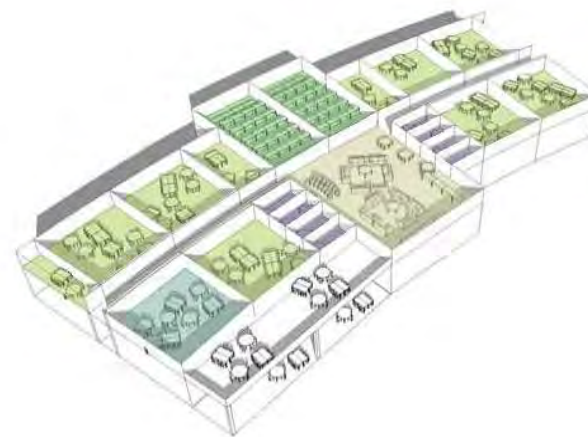
CLASSROOM CLUSTERING CONCEPT SCHEME 'A'



CLASSROOM CLUSTERING CONCEPT SCHEME 'B'



CLASSROOM CLUSTERING CONCEPT SCHEME 'C'



CLASSROOM CLUSTERING CONCEPT SCHEME 'D'

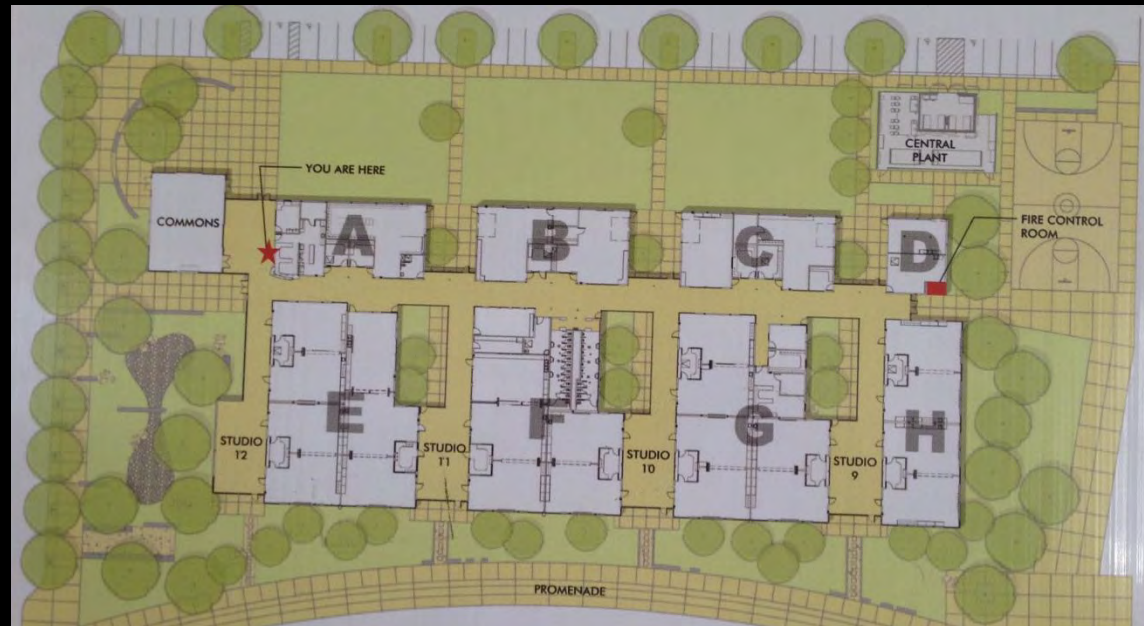
PROJECT BASED CLUSTERING



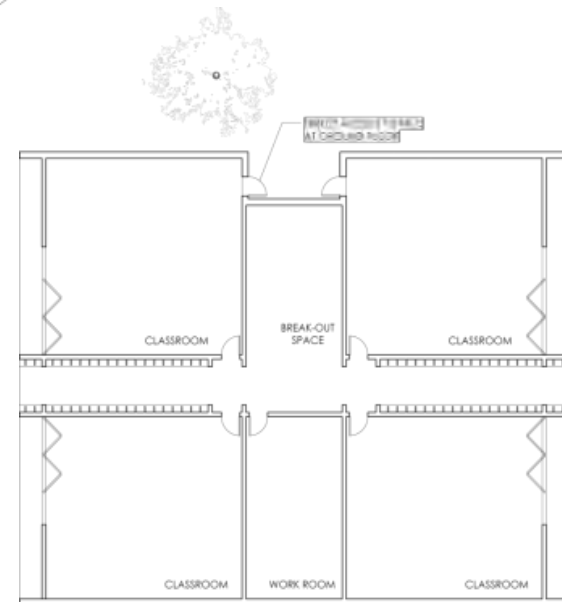
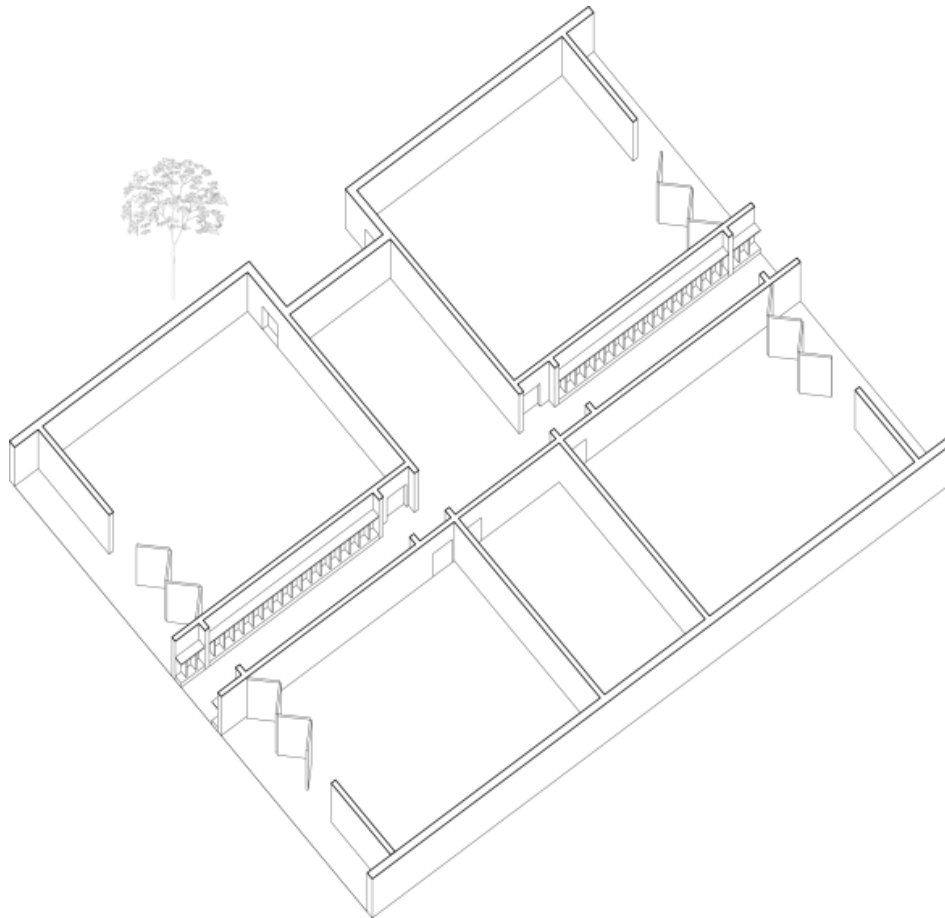
Max Nishimura



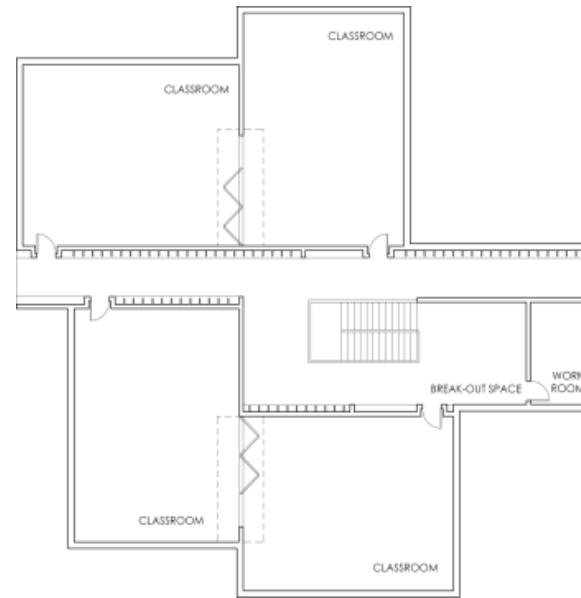
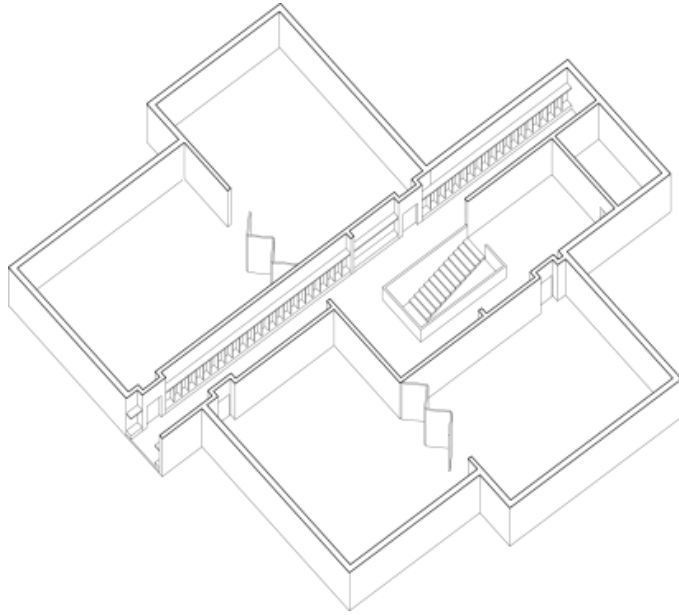
PROJECT BASED CLUSTERING



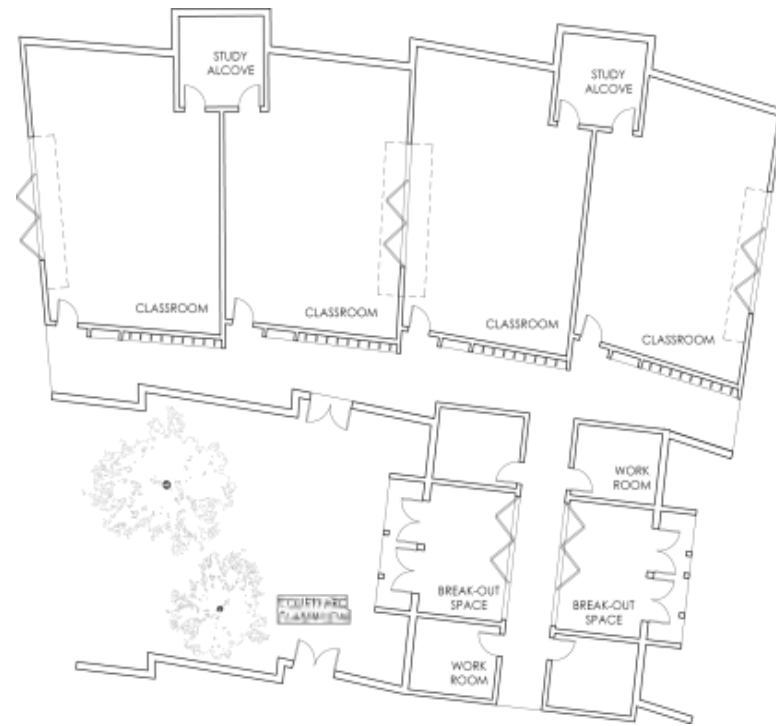
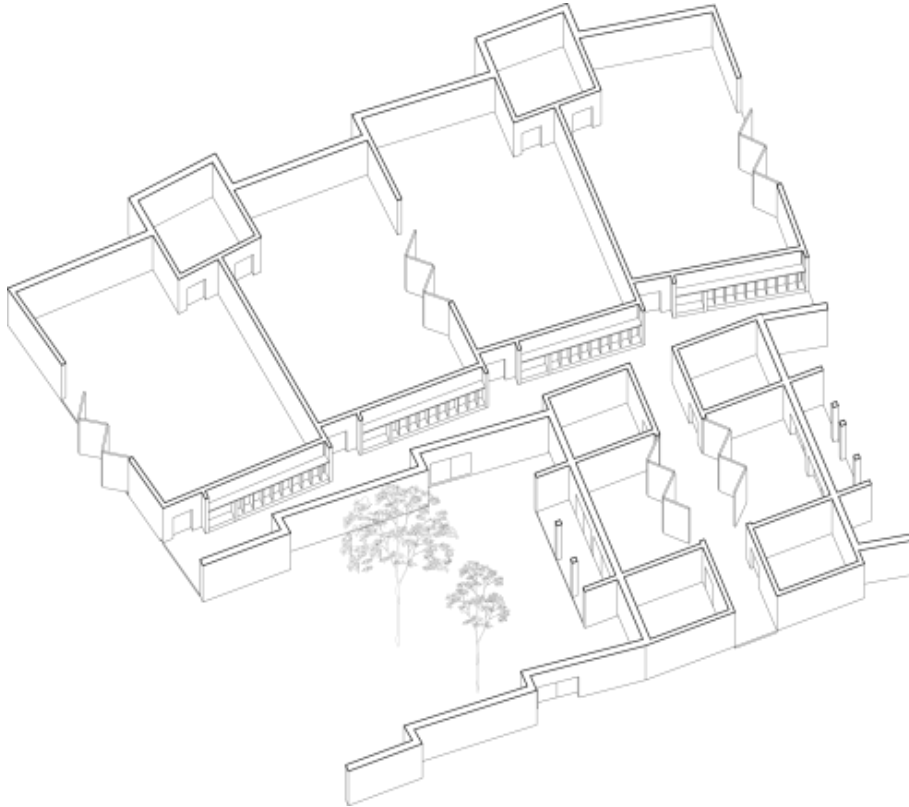
COLLABORATION AND BREAK-OUT SPACE



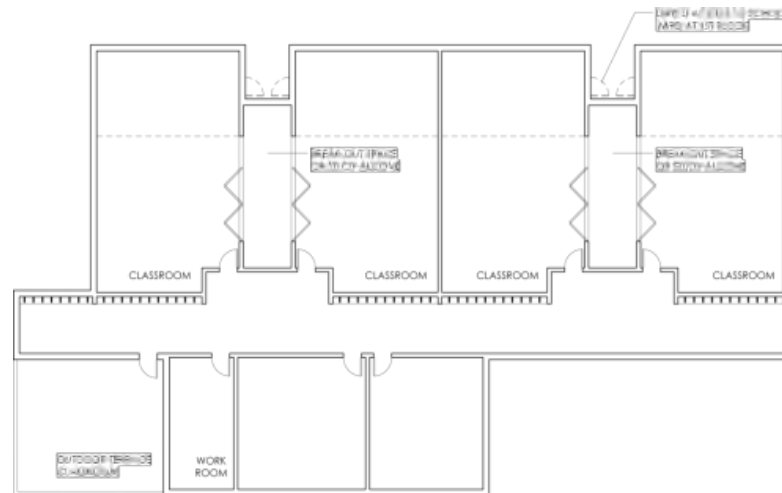
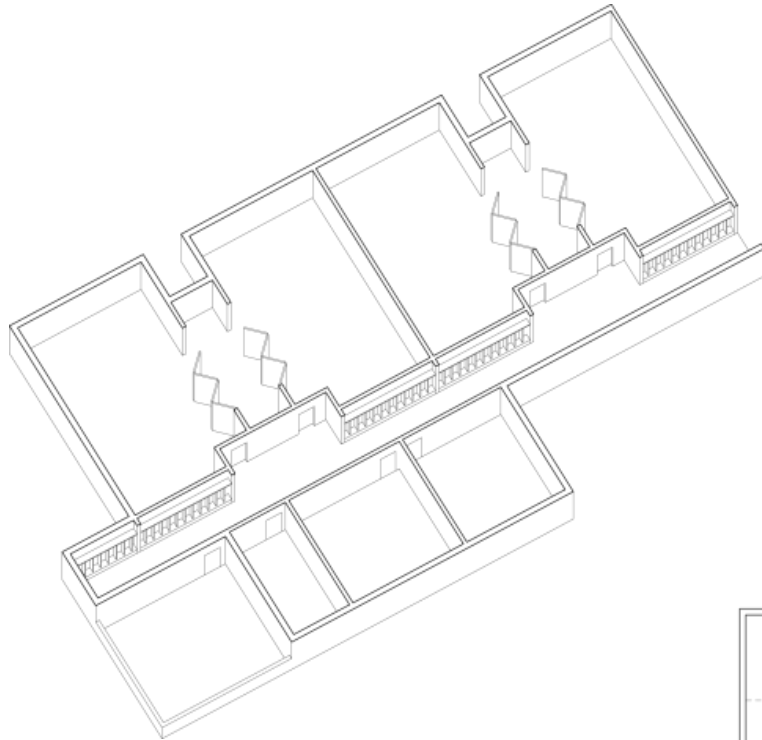
COLLABORATION AND BREAK-OUT SPACE



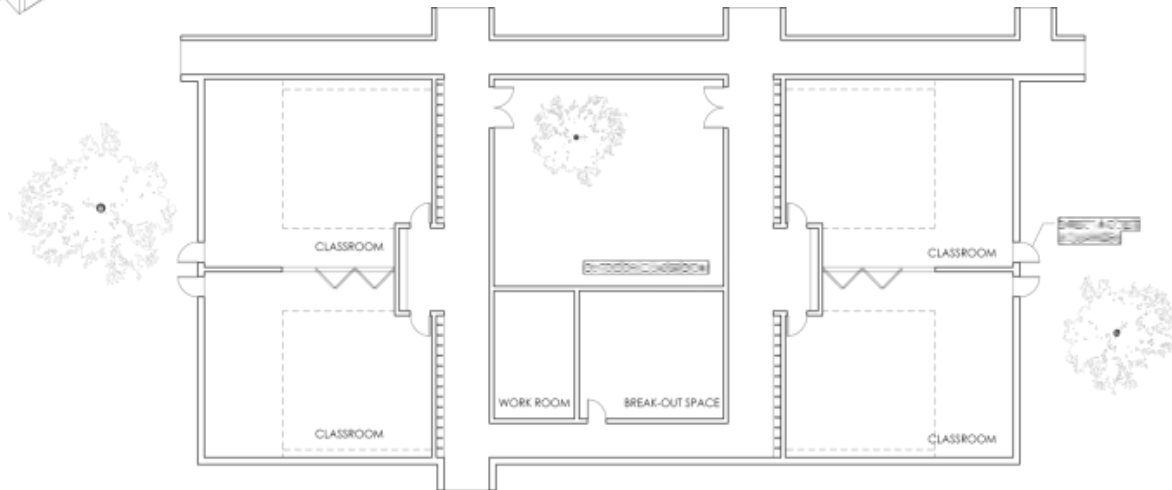
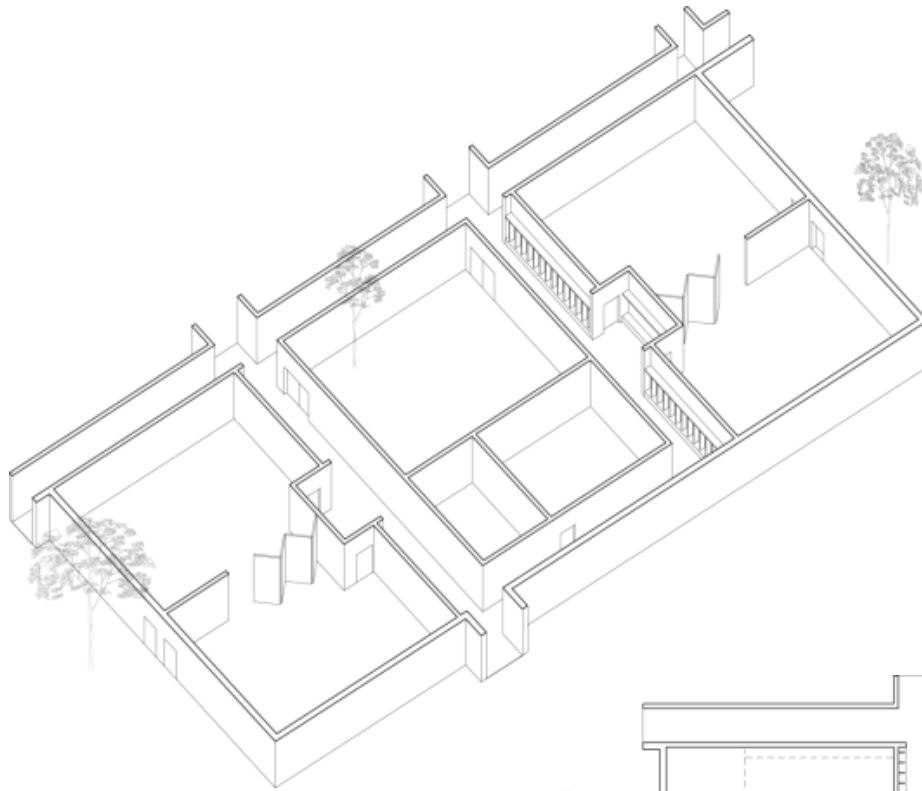
COLLABORATION AND BREAK-OUT SPACE



COLLABORATION AND BREAK-OUT SPACE



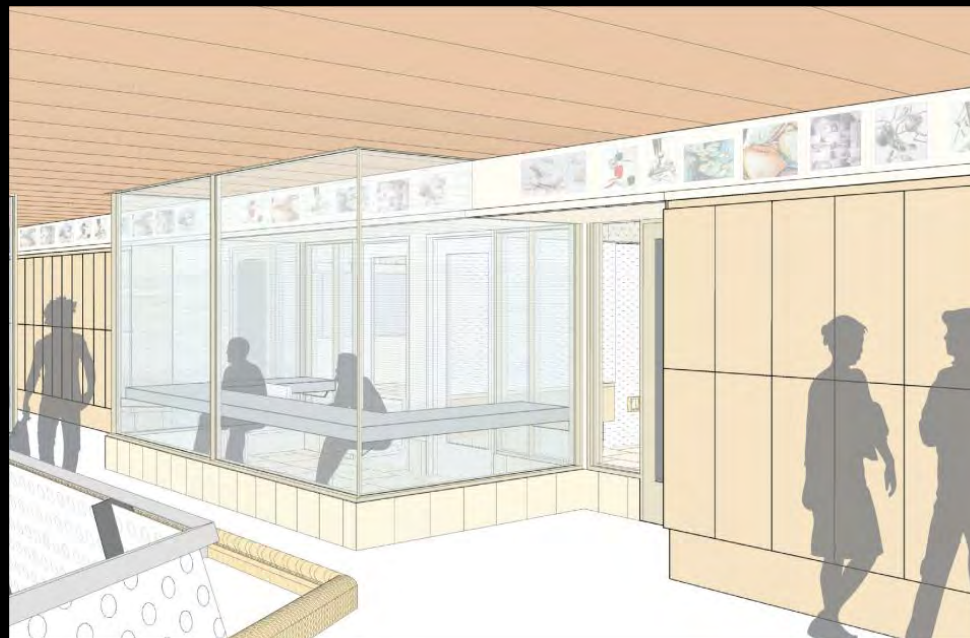
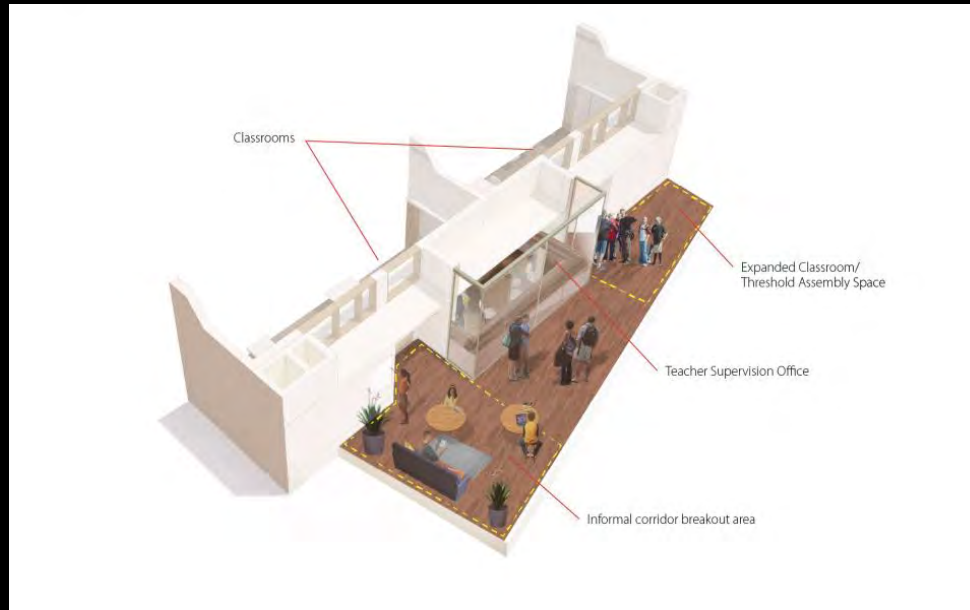
COLLABORATION AND BREAK-OUT SPACE



COLLABORATION AND BREAK-OUT SPACE



TEACHER PRESENCE



ACADEMIC CORRIDOR



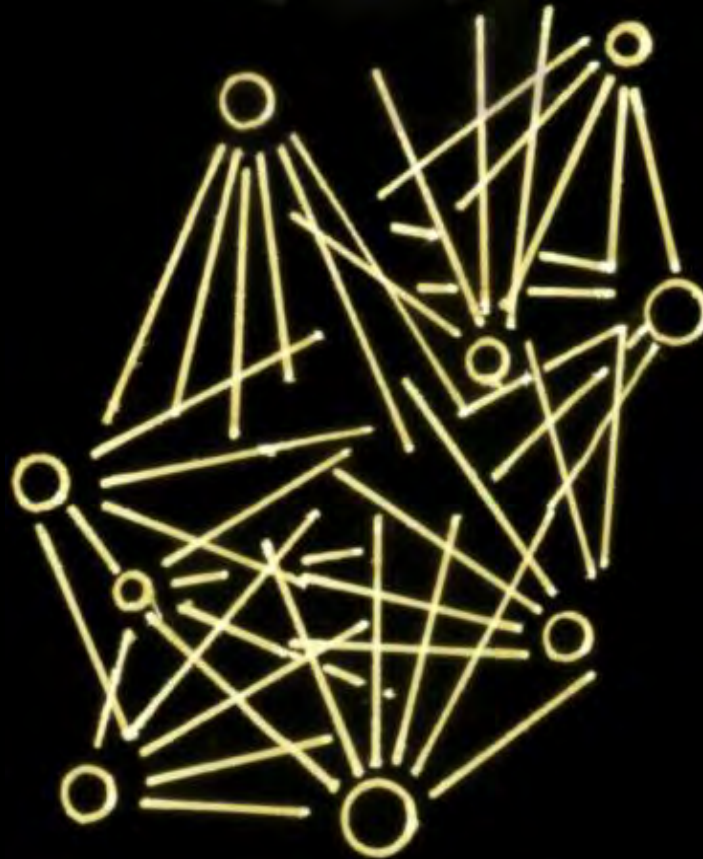
CO-CREATION PRECEDENTS



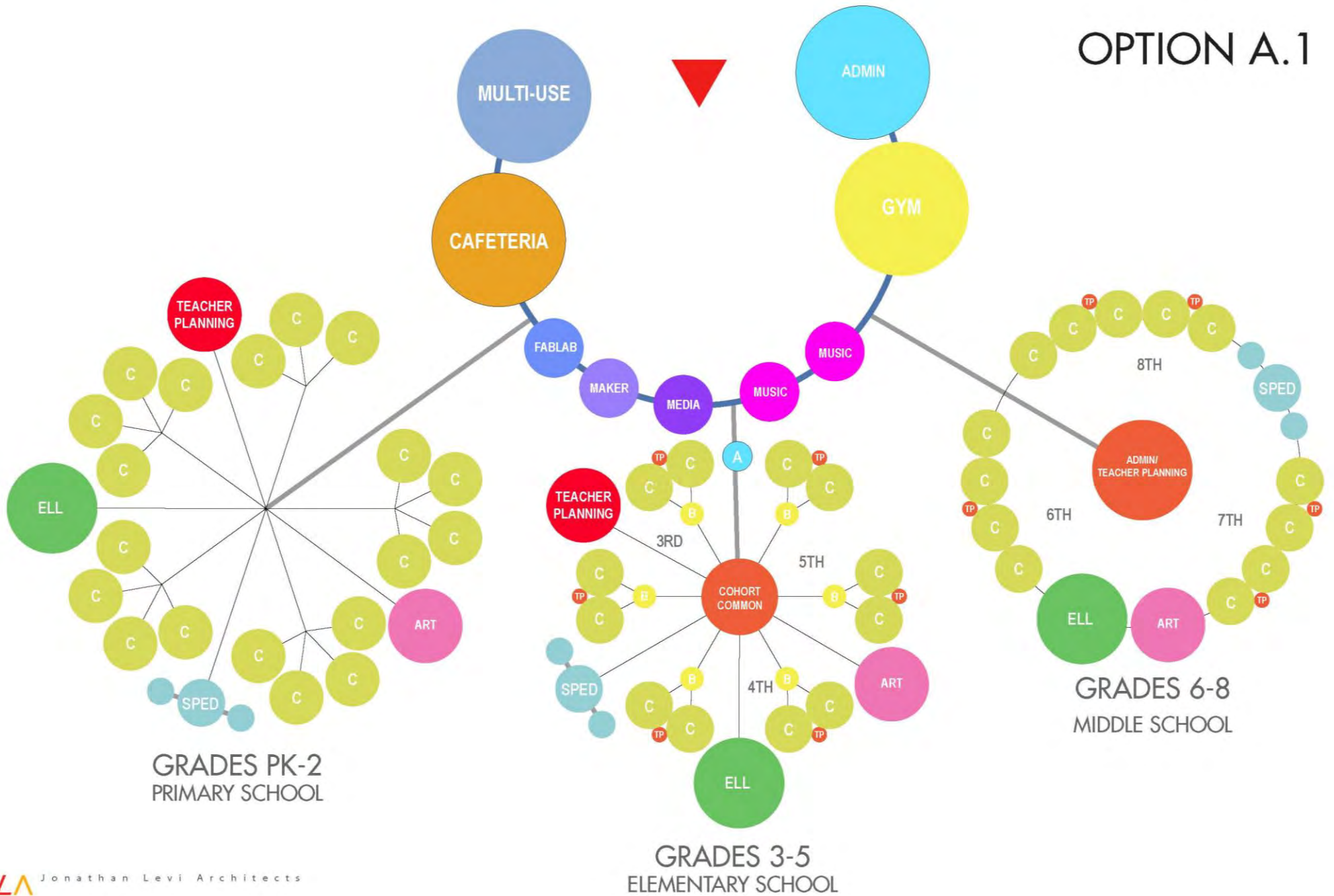
CO-CREATION AND TRANSPARENCY



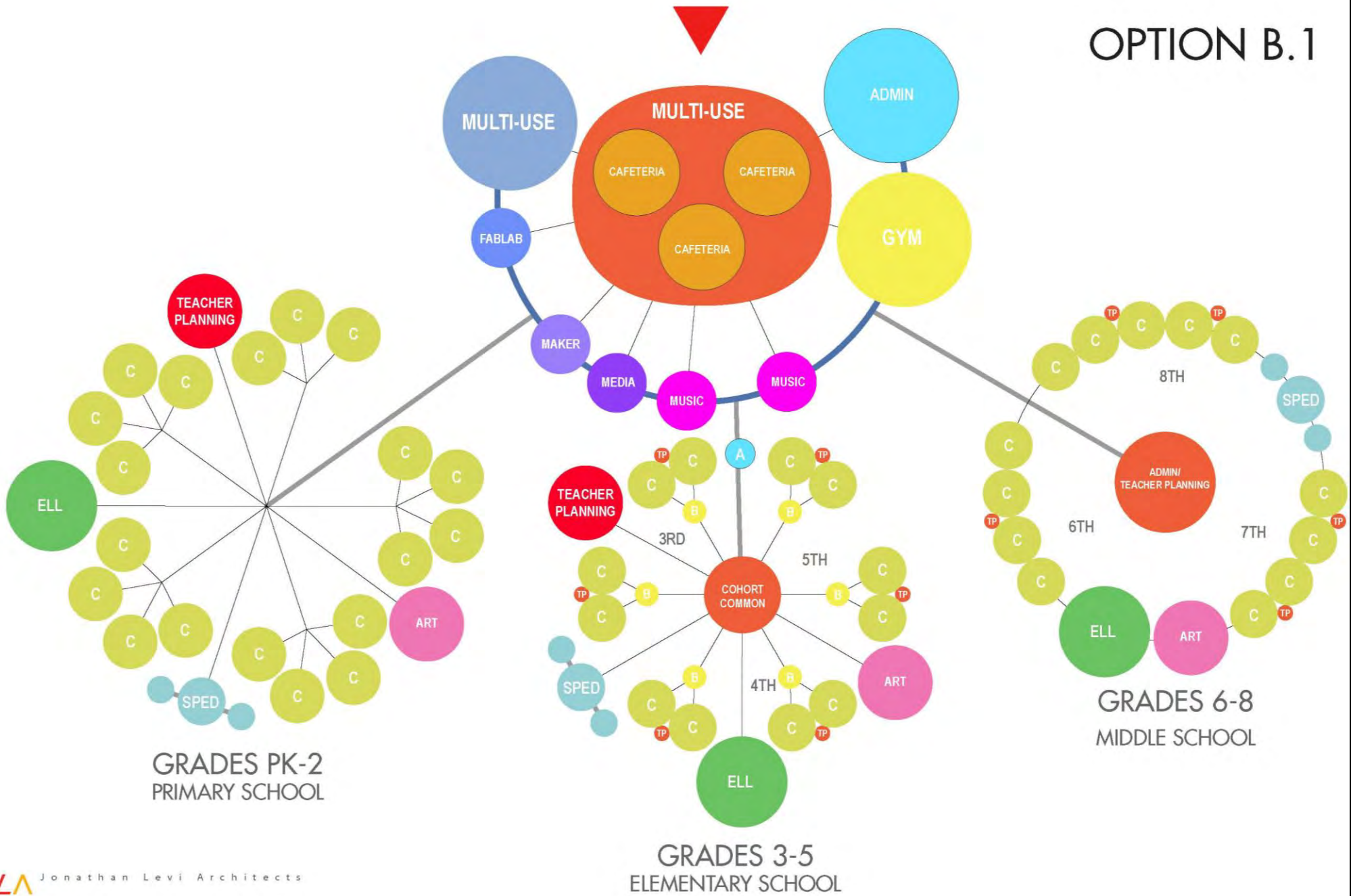
TRANSPARENCY AND INTER-RELATION



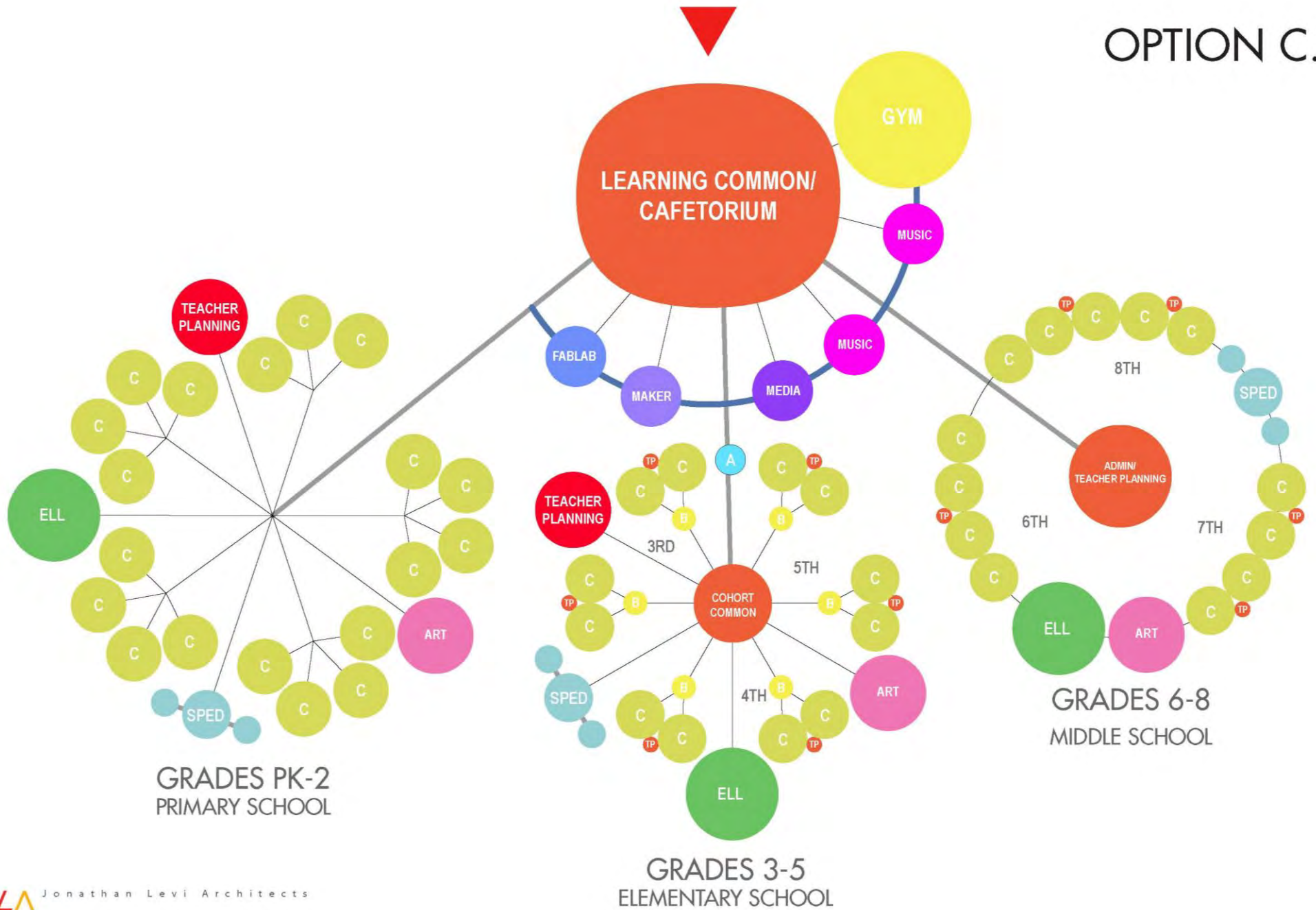
OPTION A.1

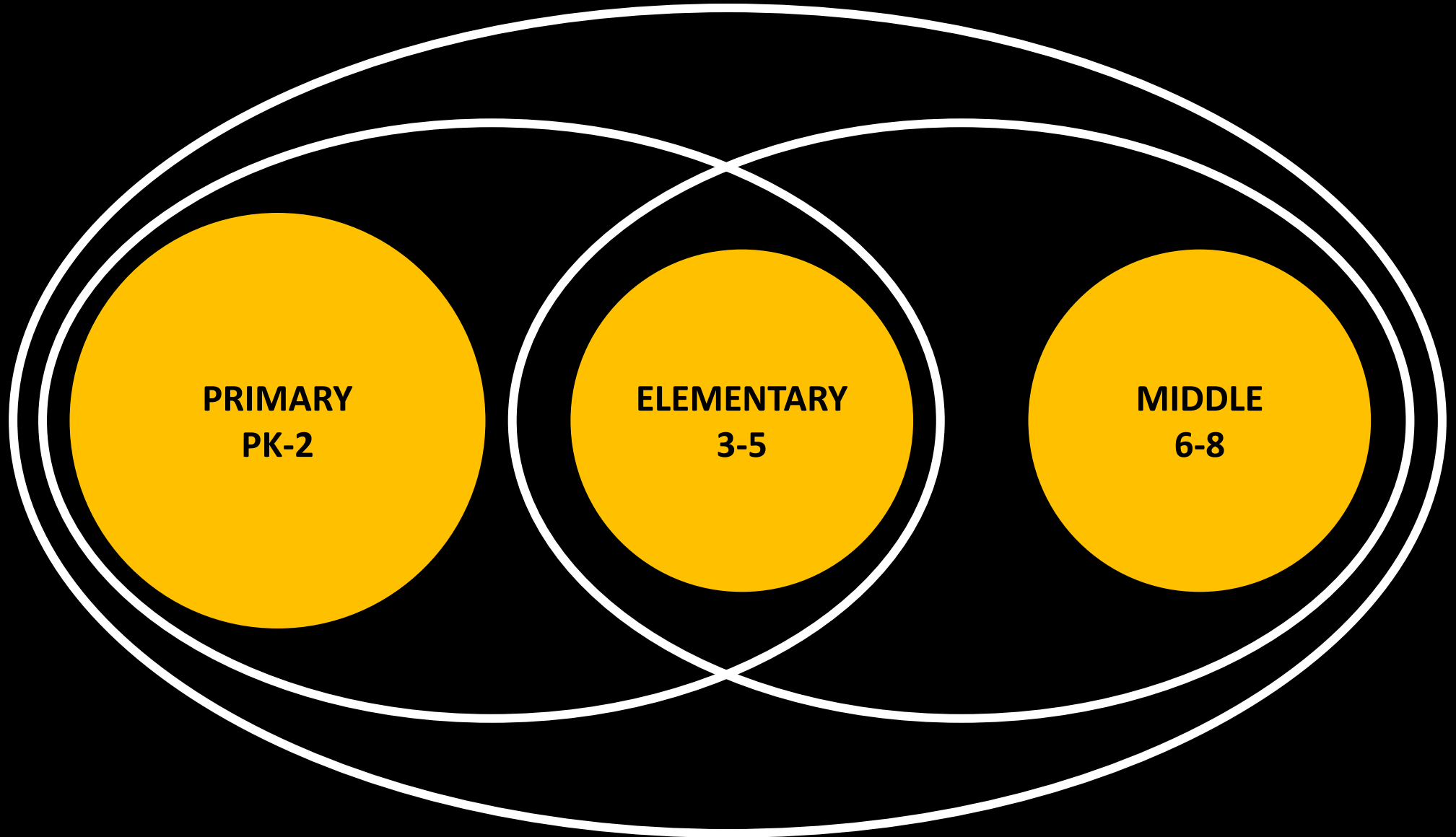


OPTION B.1

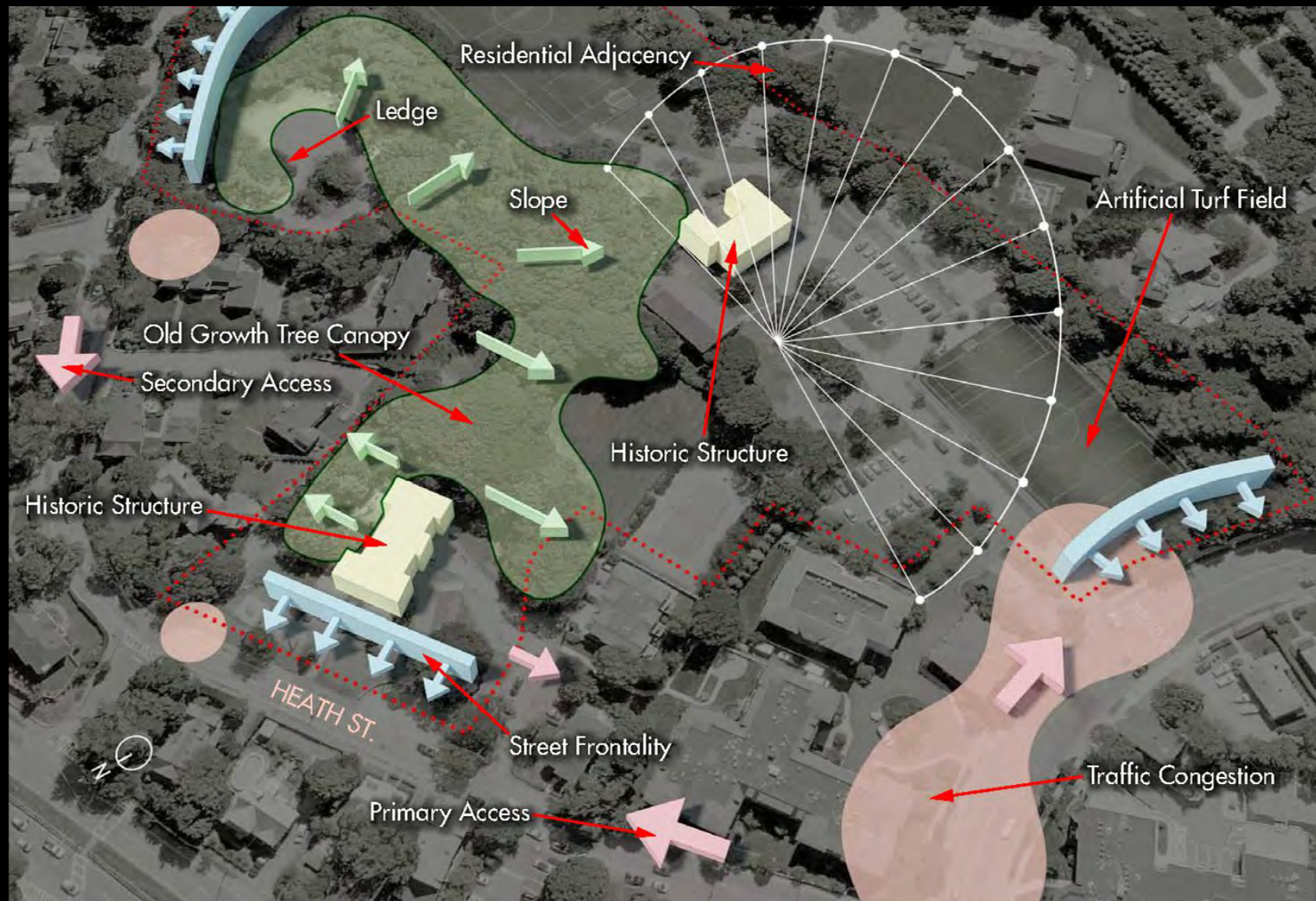


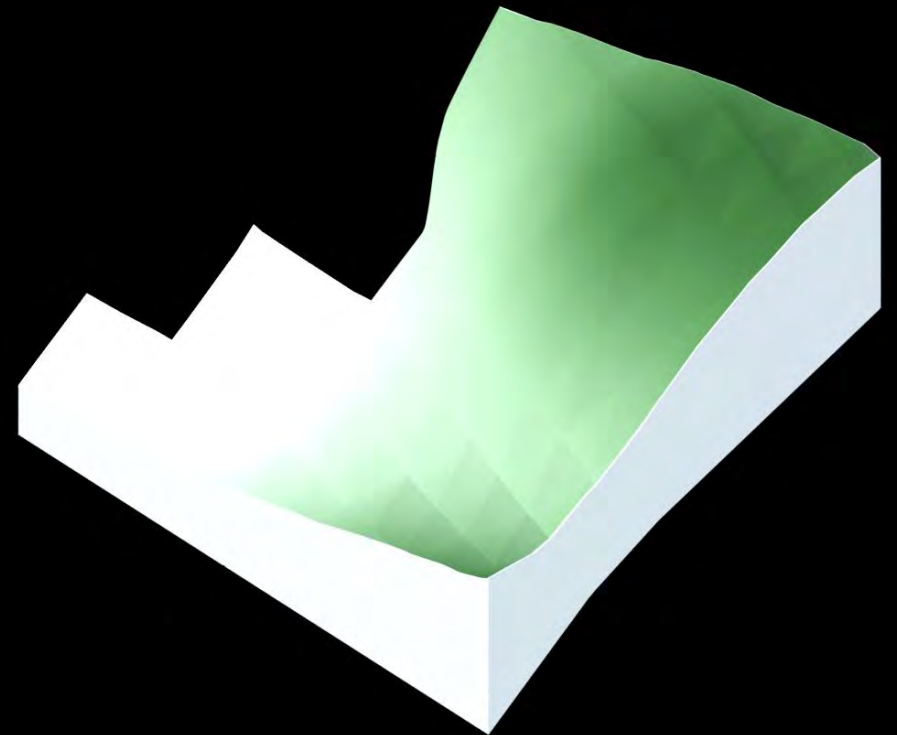
OPTION C.1



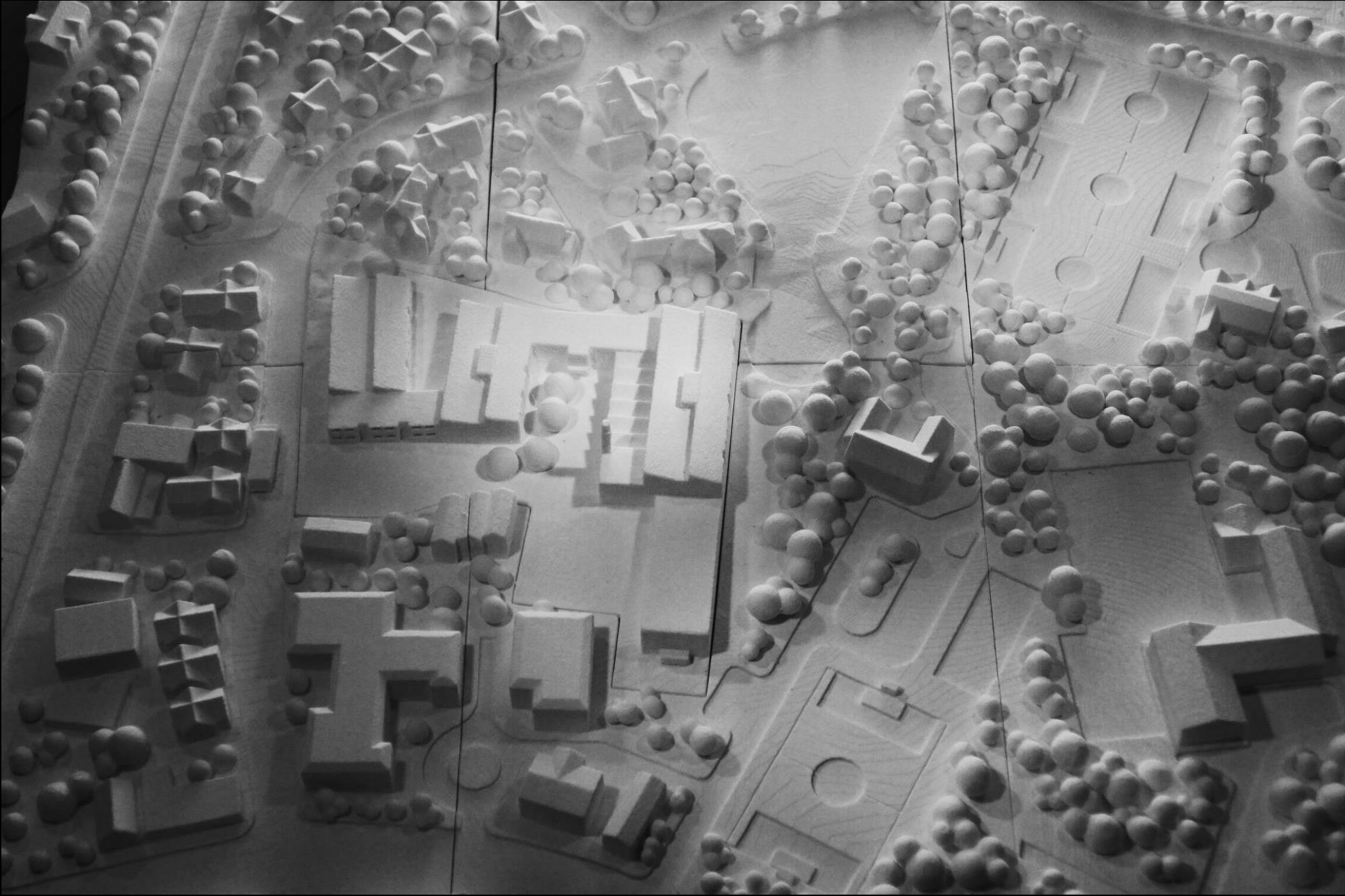










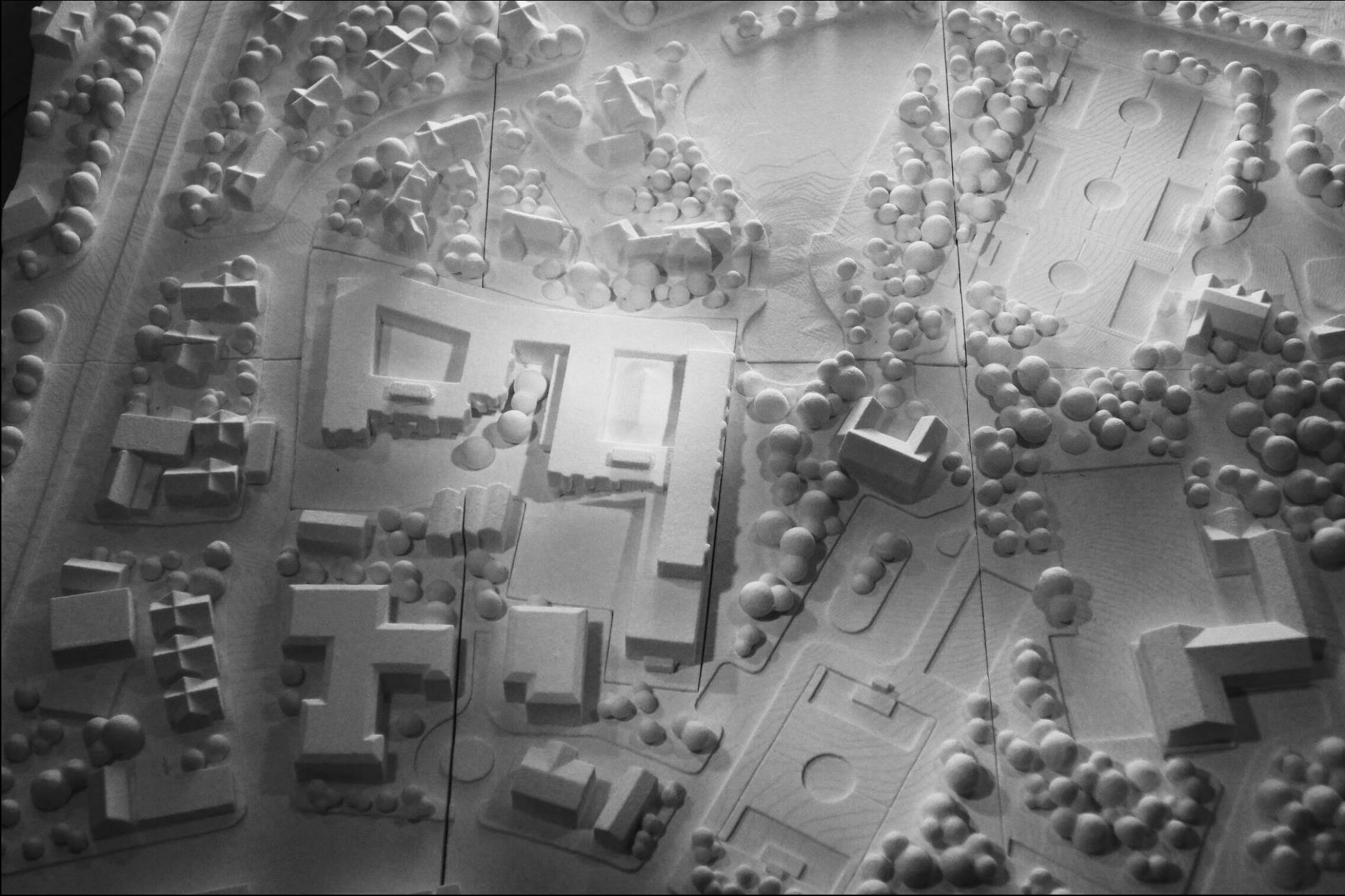


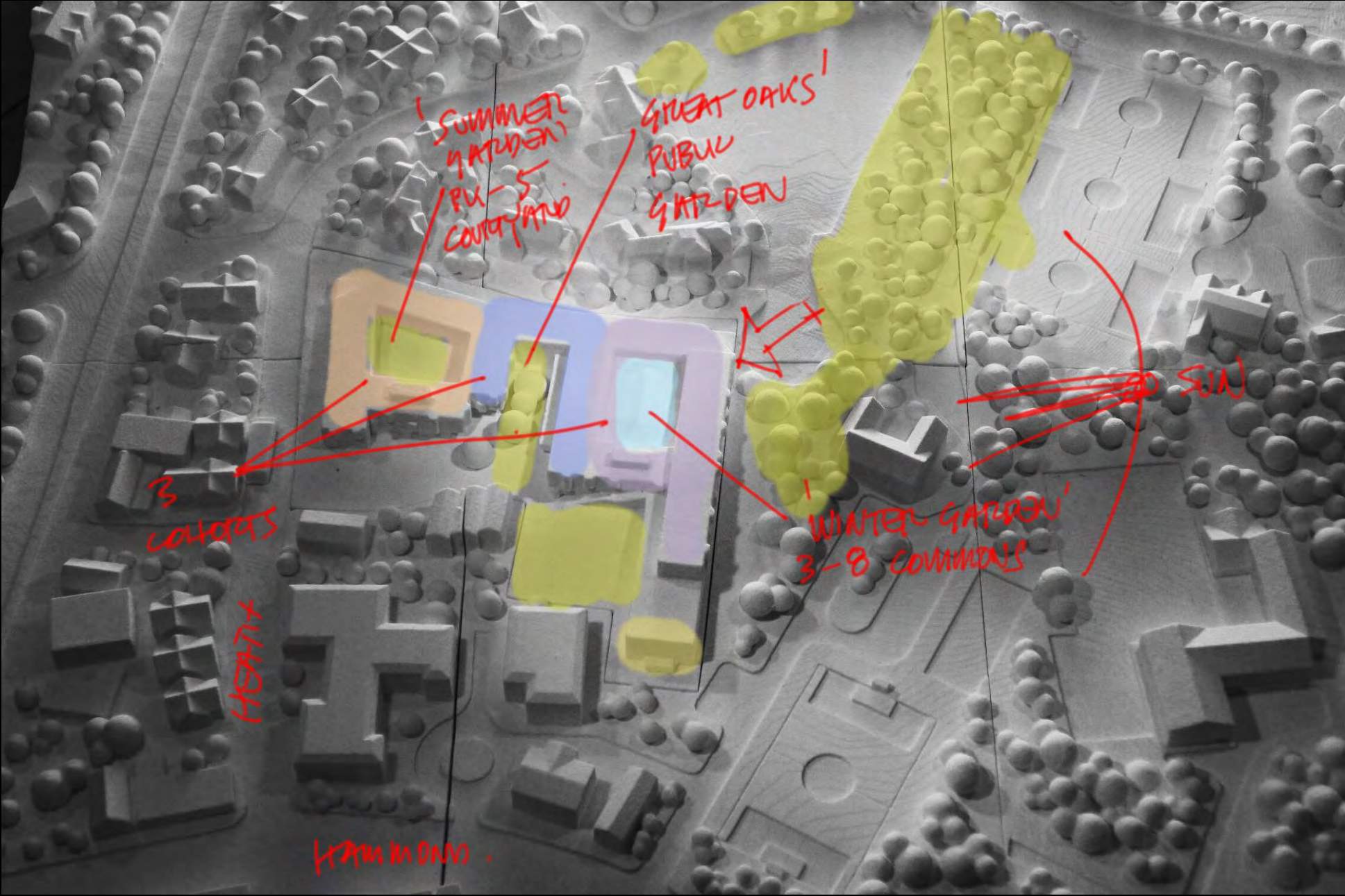










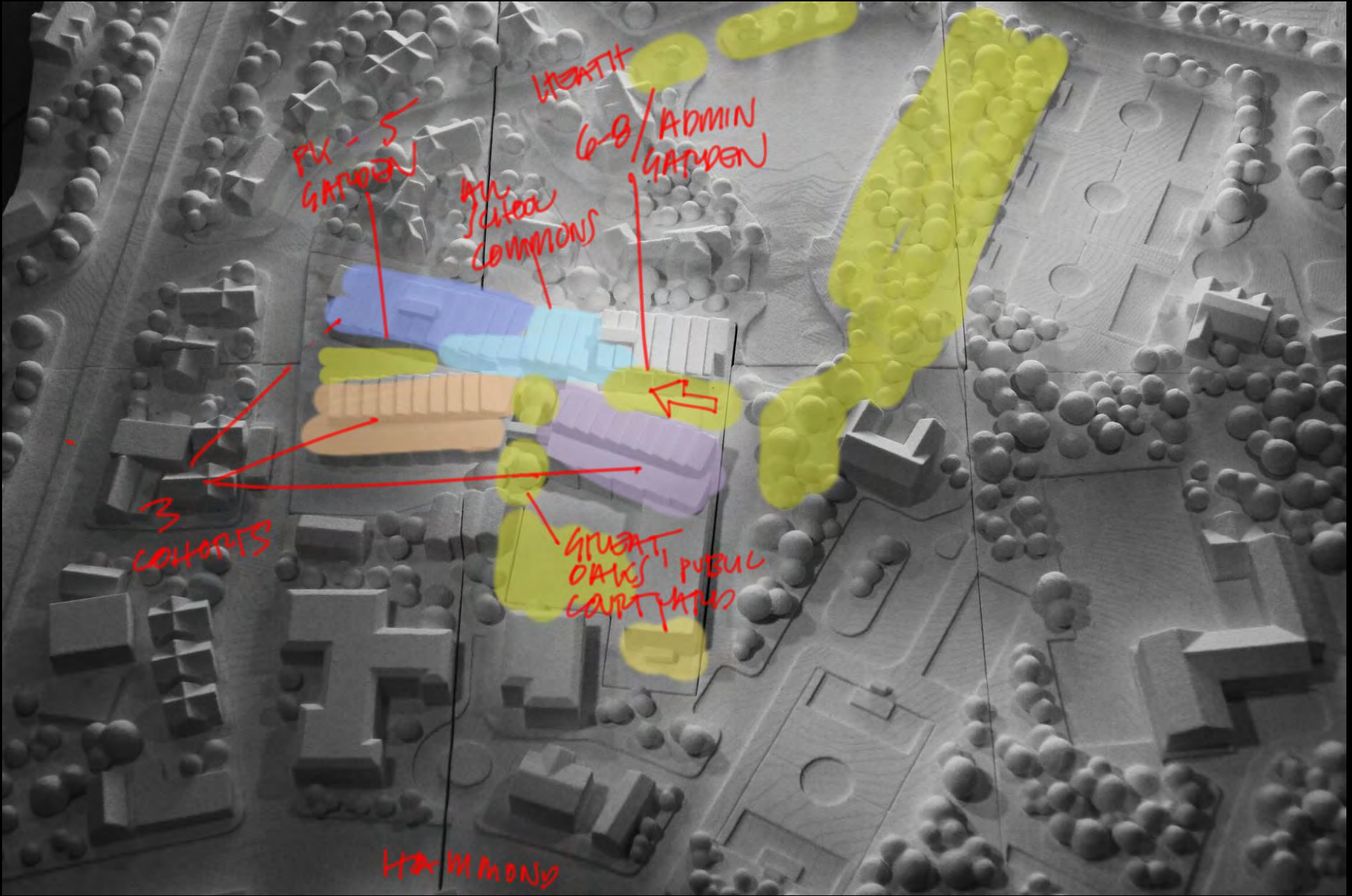










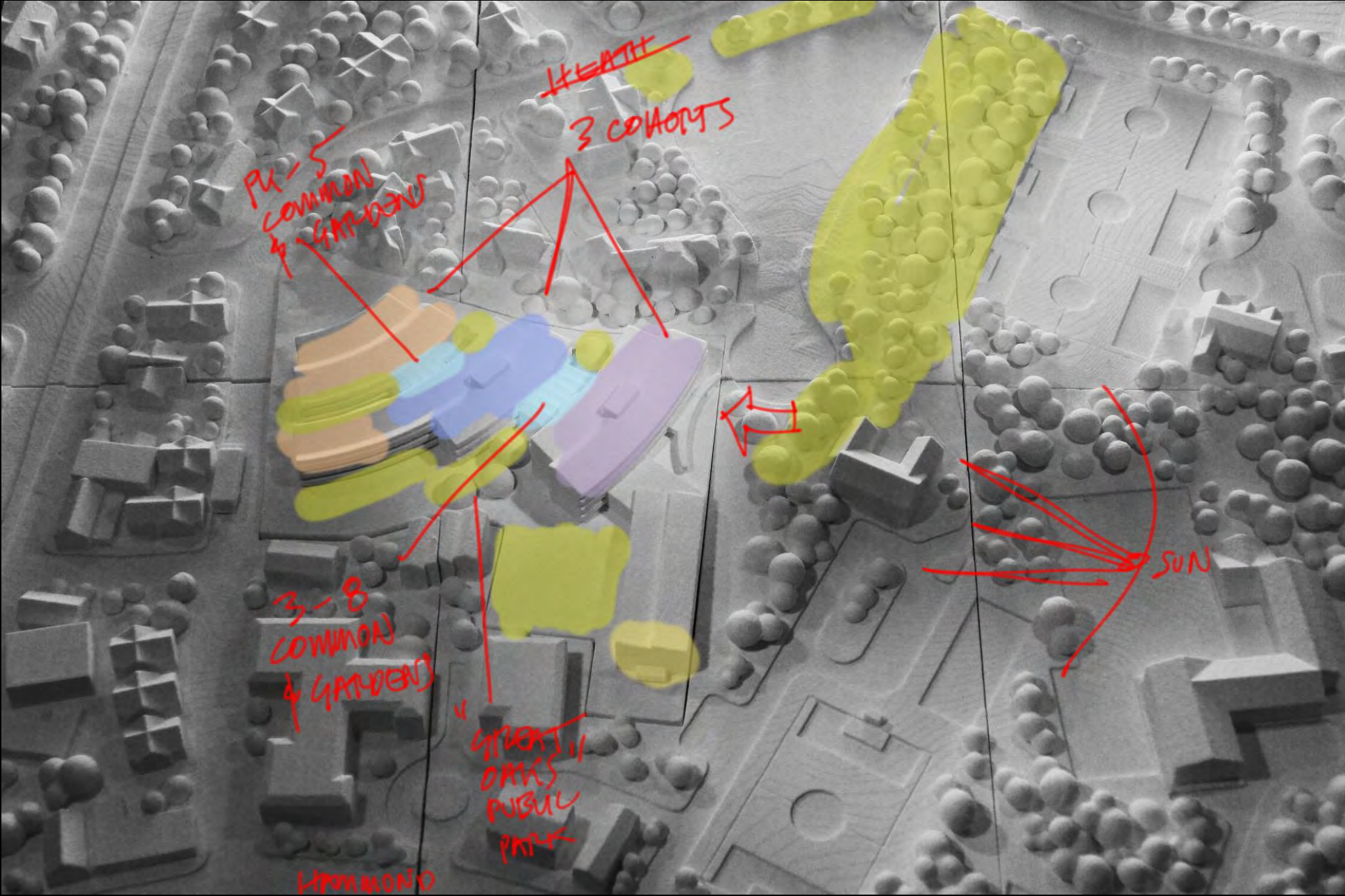










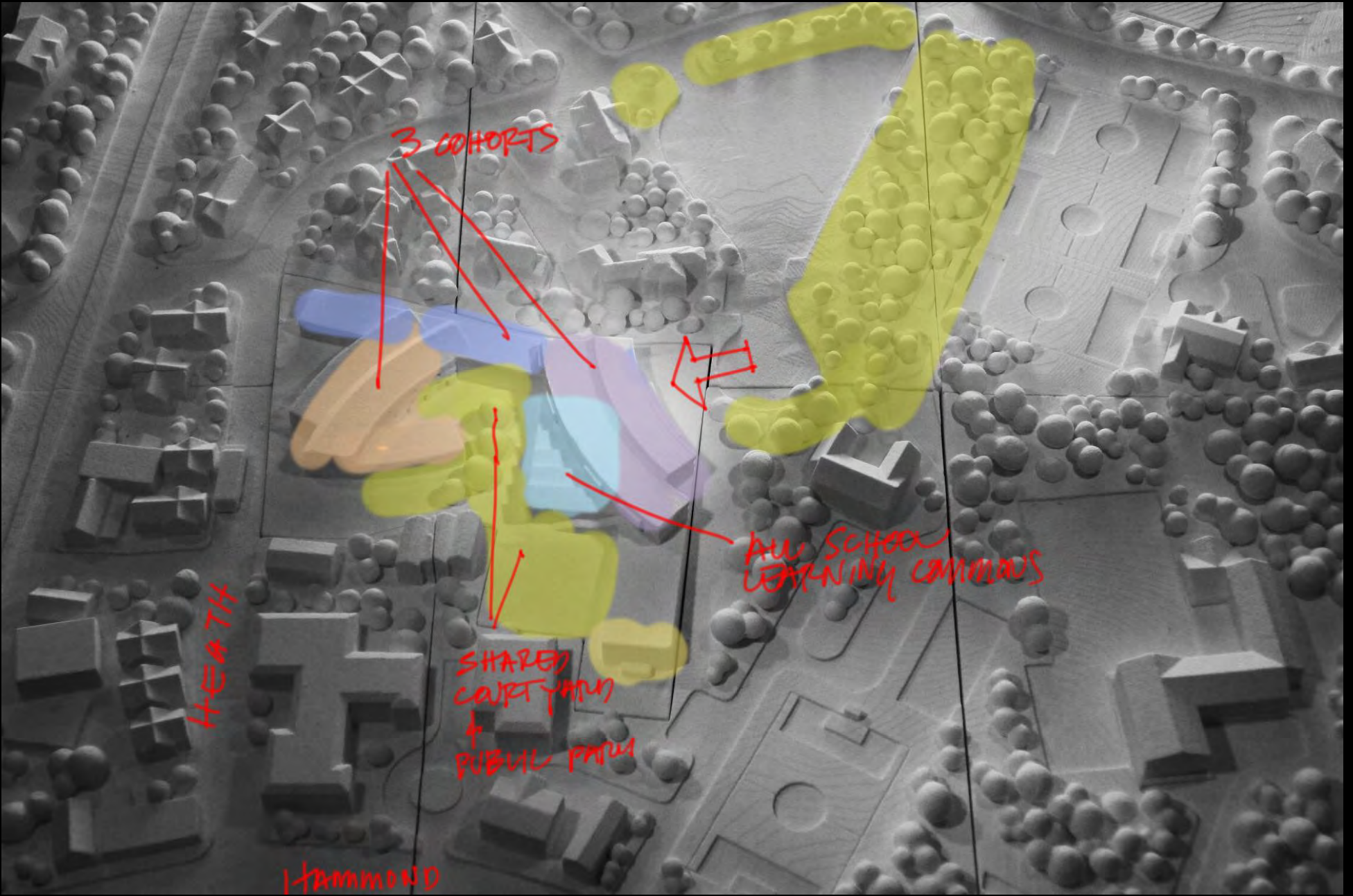


















PROJECT EVALUATION CRITERION

TOTAL PROJECT COST

TRAFFIC

OPEN SPACE

IMPACT TO NEIGHBORS

SCHEDULE DURATION / RISK

EDUCATION PLAN ENHANCEMENT

CLASSROOM SHAPE AND ADJACENCIES

COHORT CONFIGURATION

NON-EDUCATION PROGRAM ACCOMMODATION

FLEXIBILITY OF USE - FUTURE USE

LEED /SUSTAINABILITY

BUILDING MASSING/SITE COVERAGE

EXTERIOR DESIGN

MEP ACCOMMODATION

ATHLETIC USE

CONSTRUCTION STAGING

COMMUNITY USE

DELIVERIES

CONTINGENCY RISK

SITE REMEDIATION

LONG TERM MAINTENANCE / REPAIR COST

HAZARDOUS MATERIAL REMOVAL

BIDDING AND PROCUREMENT

SECURITY

PRE-SCHEMATIC ALTERNATIVES EVALUATION

Sample Elementary School			
Evaluation Matrix for Alternative Design Strategies			
KEY	+	Advantageous	
	o	Neutral	
	-	Disadvantageous	
	--	Very Disadvantageous	
PROJECT CRITERION	Option A	Option B	Option C
1 Total Project Cost	+	-	-
2 Traffic	-	-	-
3 Open Space	+	o	+
4 Impact to Neighbors	o	o	o
5 Schedule Duration / Risk	-	-	-
6 Education Plan Enhancement	o	o	o
7 Classroom Shapes and Adjacencies	-	-	-
8 Cohort Configuration	o	o	o
9 Non-Education Program Accommodation	-	o	o
10 Flexibility of Use - Future Use	-	o	-
11 LEED /Sustainability	o	o	o
12 Building Massing/Site Coverage	o	o	o
13 Exterior Design	+	+	+
14 MEP Accommodation	-	-	-
15 Athletic Use	o	o	-
16 Construction Staging	o	-	-
17 Community Use	o	o	o
18 Deliveries	+	+	+
19 Contingency Risk	-	-	-
21 Site Remediation	o	o	o
22 Long term Maintenance / Repair Cost	o	o	o
23 Hazardous Material Removal	o	o	o
24 Bidding and Procurement	o	o	o
25 Security	-	+	o



*“To marvel is the beginning of all
knowledge”*

- ancient greek proverb