TRIPEAKS MONTESSORI

M. Arch Thesis Design by Alexander P. Jansen

Blend architecture into the landscape while minimally impacting the visual heaviness of the site.

Design a school that meets and exceeds the needs and goals set out by the American Montessori Society fostering memory and experience.

Develop a design that is site specific through an iterative process.

Maximize opportunity for child-based learning by giving the children space and freedom.

“Play is a fundamental need — so much so that playgrounds should be provided for every child, just as schools are.”

Former US President Theodore Roosevelt, 1858-1919

“Education is a natural process carried out by the child and is not acquired by listening to words but by experiences in the environment.”

Dr. Maria Montessori, 1870-1952

WHAT IS MONTESSORI?

(1) Multi-age groupings

(2) Child directed work

(3) Uninterrupted blocks of work time

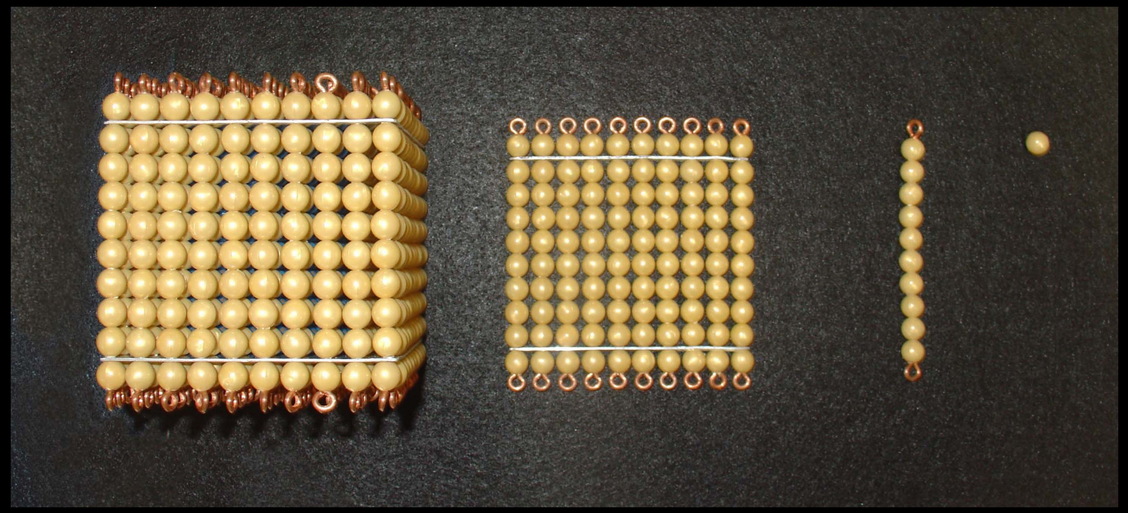
(4) Scientifically designed didactic materials

(1) Multi-age groupings

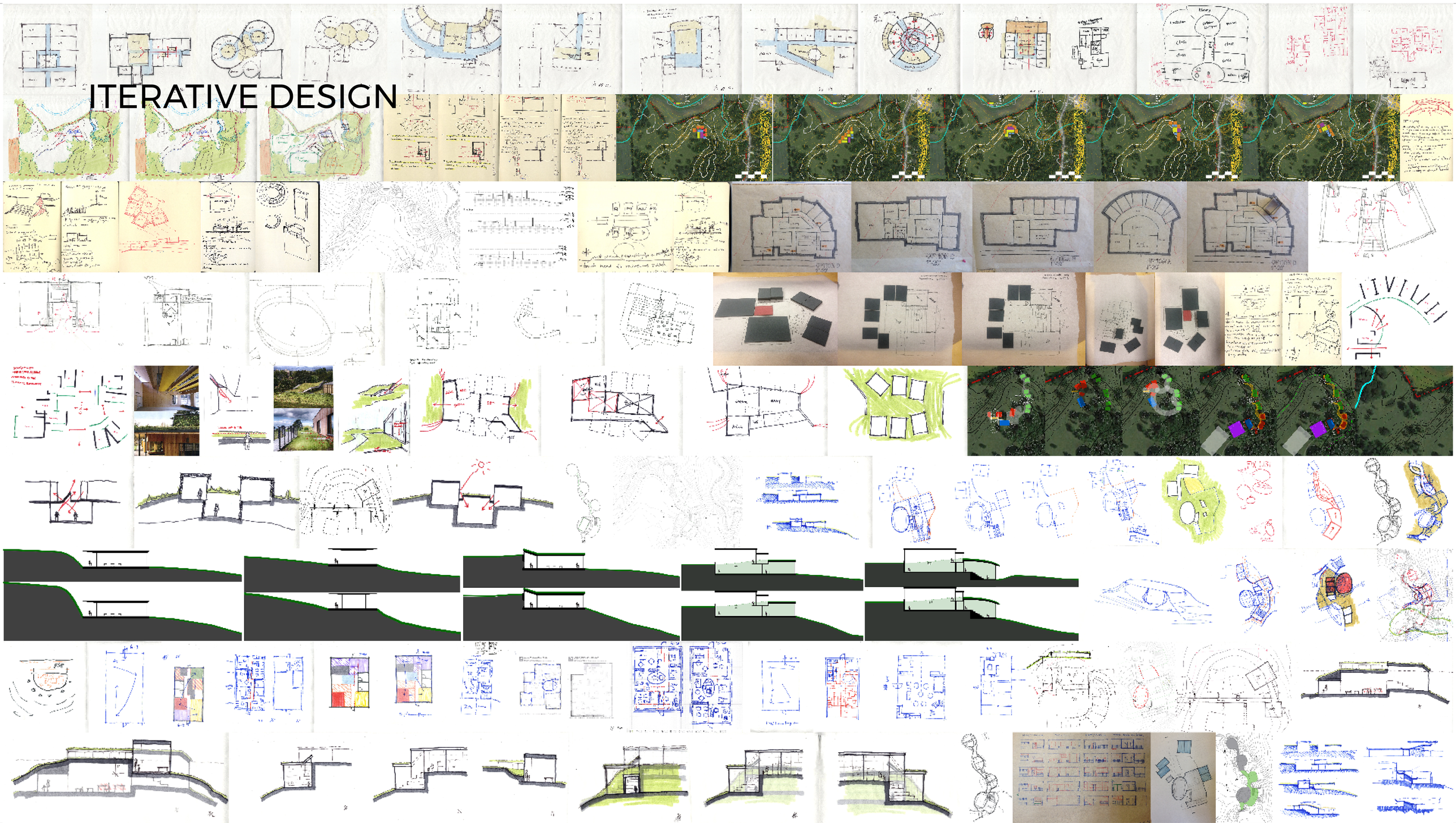
(2) Child directed work

(3) Uninterrupted blocks of work time

(4) Scientifically designed didactic materials



ITERATIVE DESIGN



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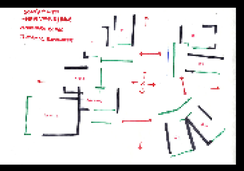
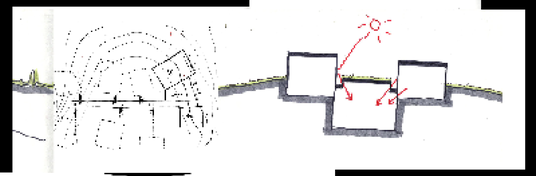
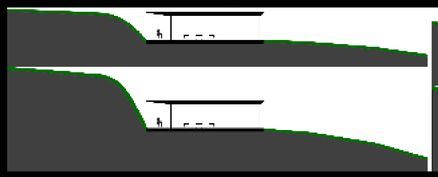
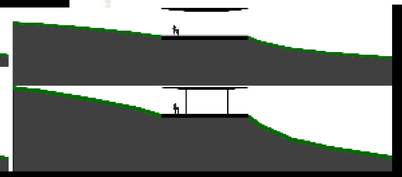
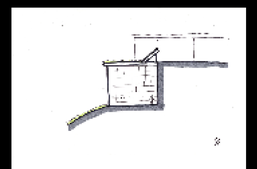
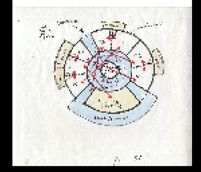


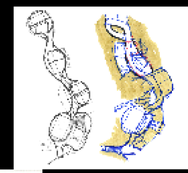


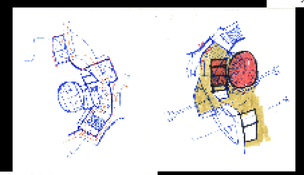


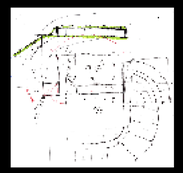


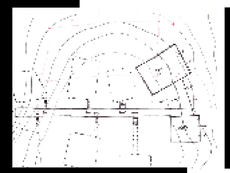


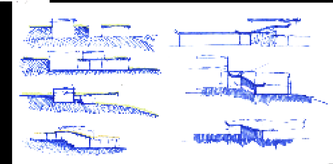




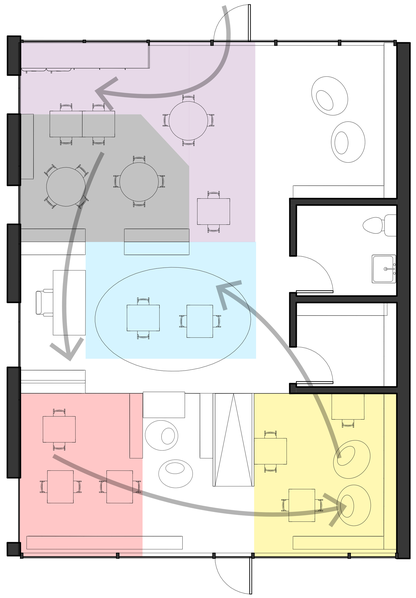








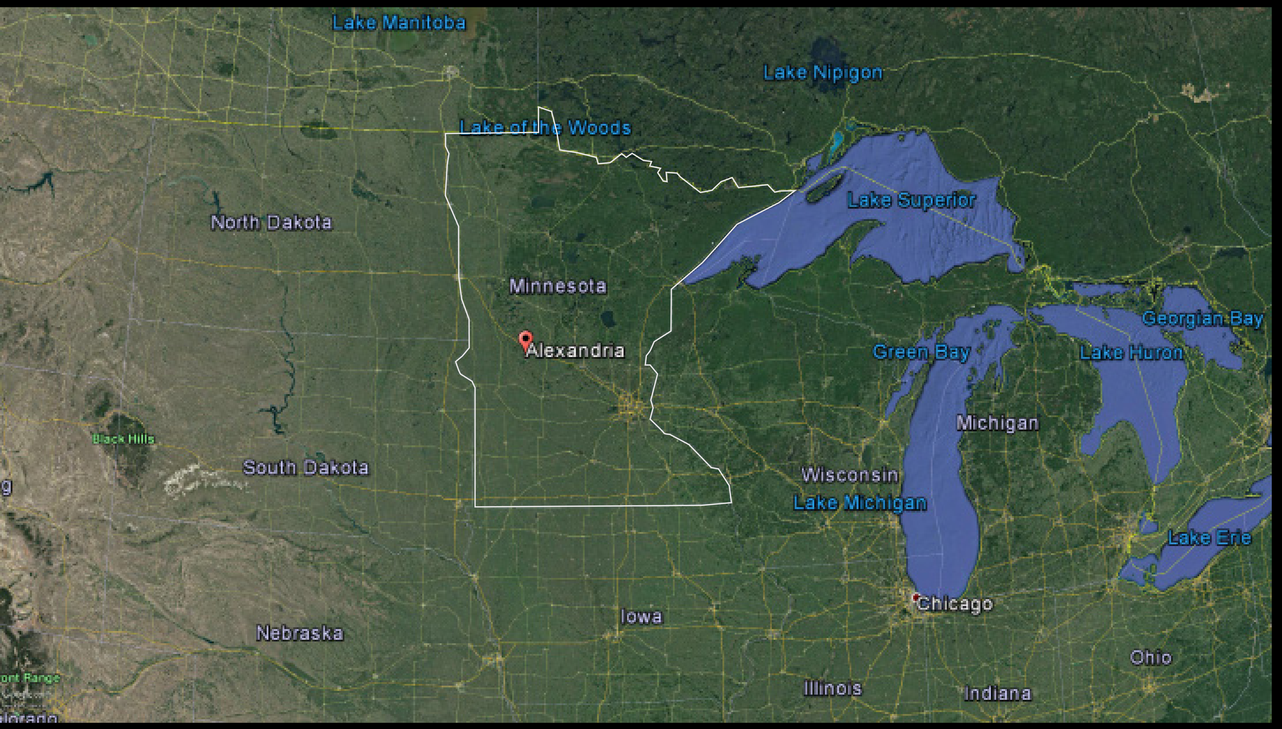
PRIMARY CLASSROOM

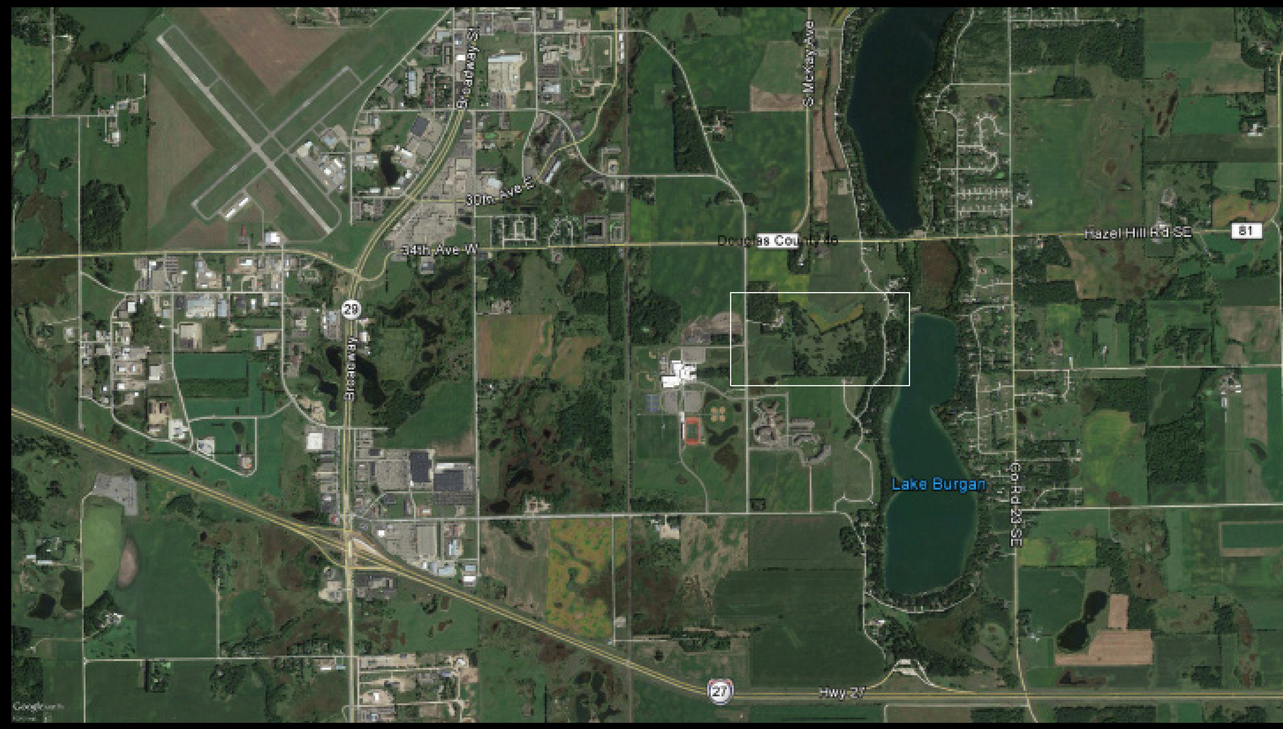


E1 / E2 CLASSROOM

5’

(Yellow) Language
(Blue) Geometry/Geography
(Red) Math
(Green) Botany/Zoology
(Black) History/Art/Culture
(Purple) Practical Life


Lake Manitoba
Lake Nipigon
Lake of the Woods
Lake Superior
North Dakota
Minnesota
Alexandria
Georgian Bay
Green Bay
Lake Huron
Michigan
Black Hills
South Dakota
Wisconsin
Lake Michigan
Lake Erie
Chicago
Iowa
Nebraska
Ohio
Illinois
Indiana


Broadway St
S McKay Ave
30th Ave E
34th Ave W
Douglas County Rd
Hazel Hill Rd SE
81
28
Riverway
Lake Burgan
Co Rd 23 SE
27
Hwy 27

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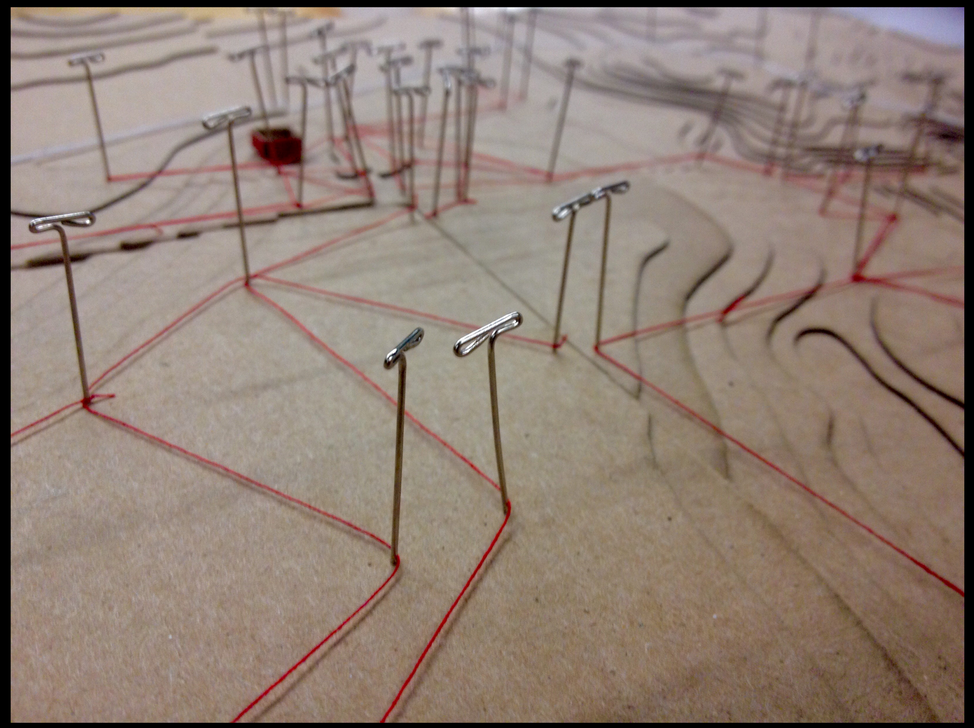
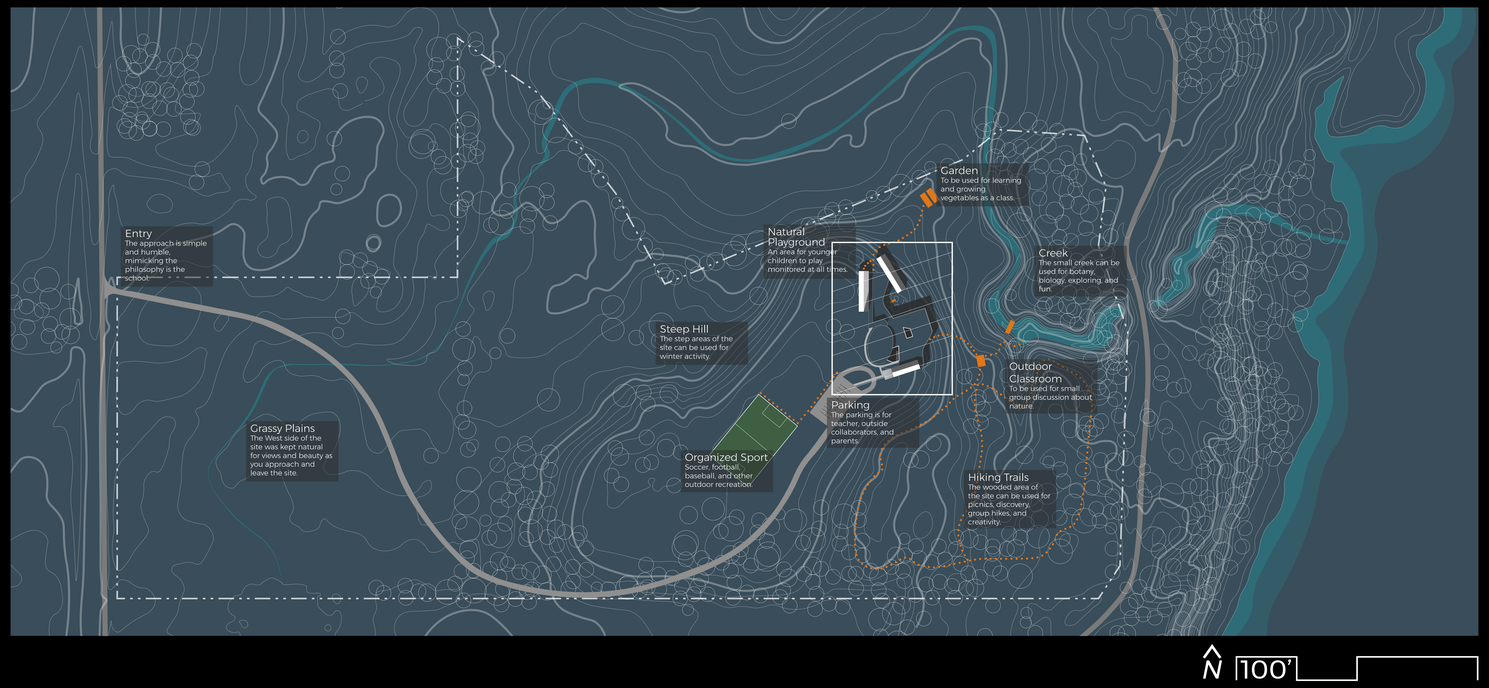
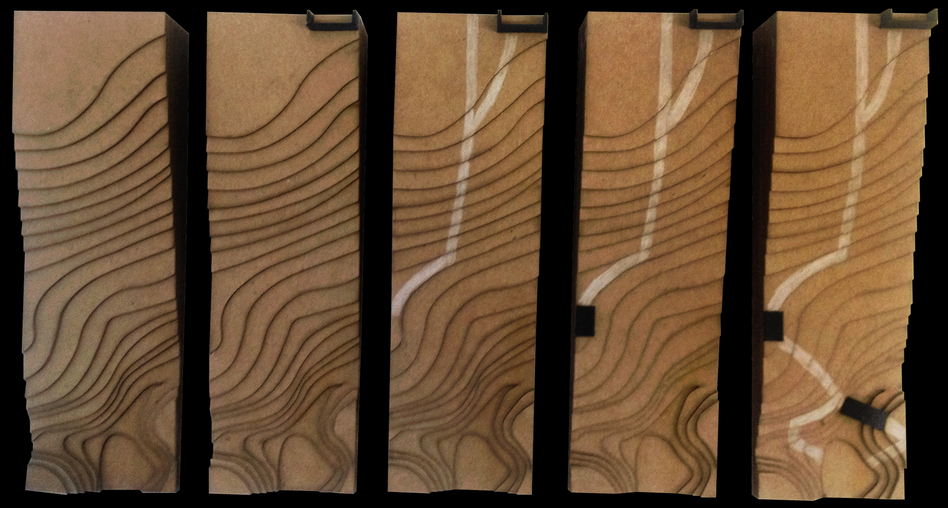
PIN MODEL

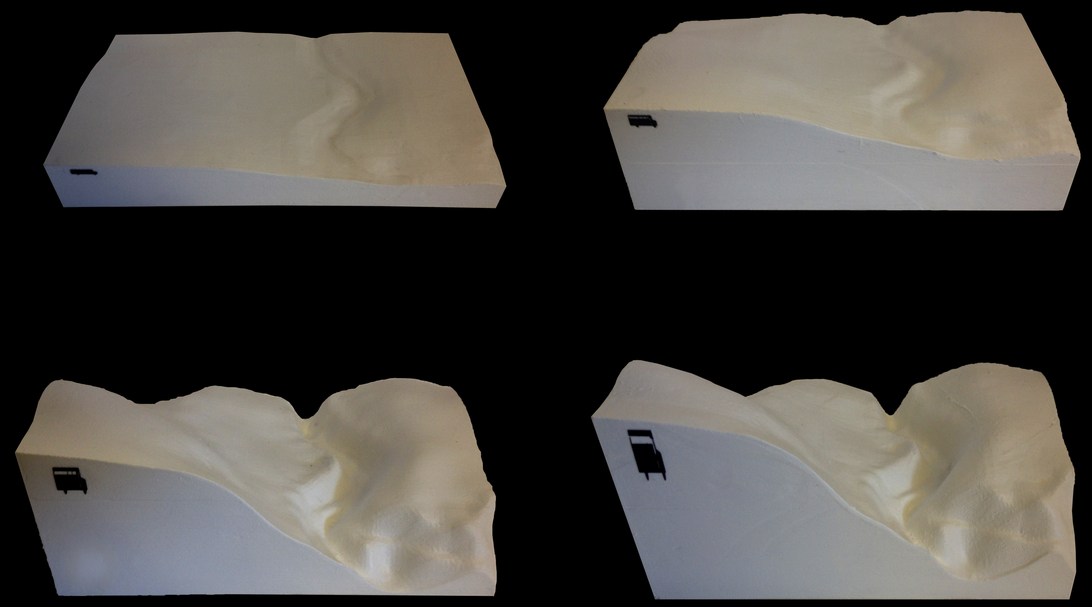


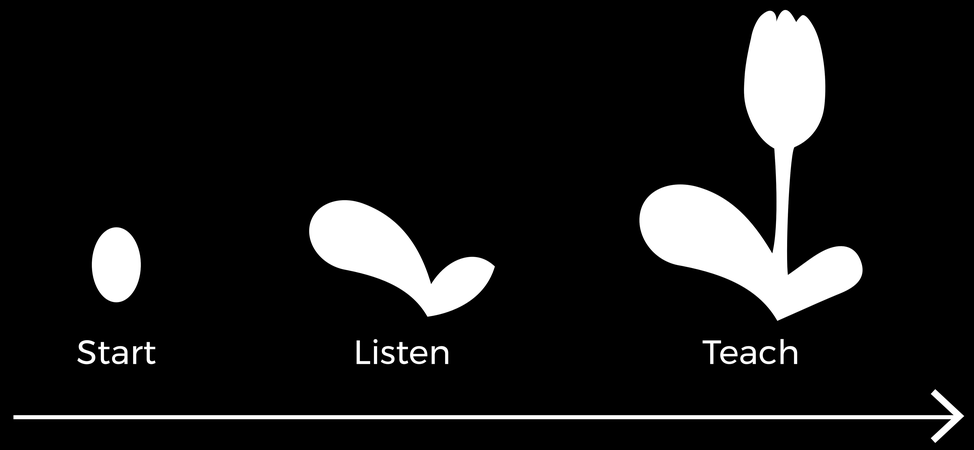

Entry
The approach is simple and humble, mimicking the philosophy is the school
Grassy Plains
The West side of the site was kept natural for views and beauty as you approach and leave the site
Steep Hill
The step areas of the site can be used for winter activity.
Organized Sport
Soccer, football, baseball, and other outdoor recreation
Natural Playground
An area for younger children to play, monitored at all times.
Parking
The parking is for teacher, outside collaborators, and parents
Garden
To be used for learning and growing vegetables as a class
Creek
The small creek can be used for botany, biology, exploring, and fun!
Outdoor Classroom
To be used for small group discussion about nature
Hiking Trails
The wooded area of the site can be used for picnics, discovery, group hikes, and creativity.
N
100'

EXPERIENTIAL MODELS

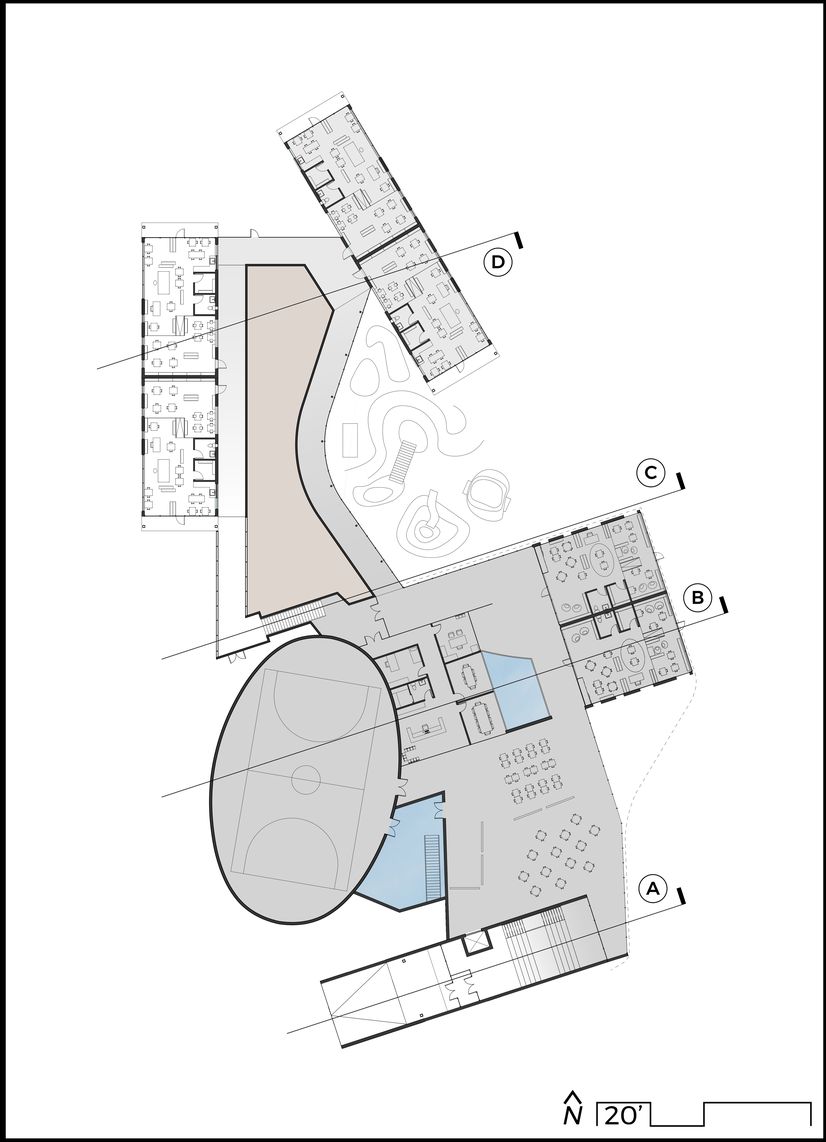


Z AXIS MODELS




Start
Listen
Teach

FLOOR PLAN



0 feet in elevation
-5 feet in elevation
-10 feet in elevation

SECTION MODELS

CLASSROOM / HALL TO GROUND RELATIONSHIP

“We discovered that education is not something which the teacher does, but that it is a natural process which develops spontaneously in the human being.”

Dr. Maria Montessori, 1870-1952

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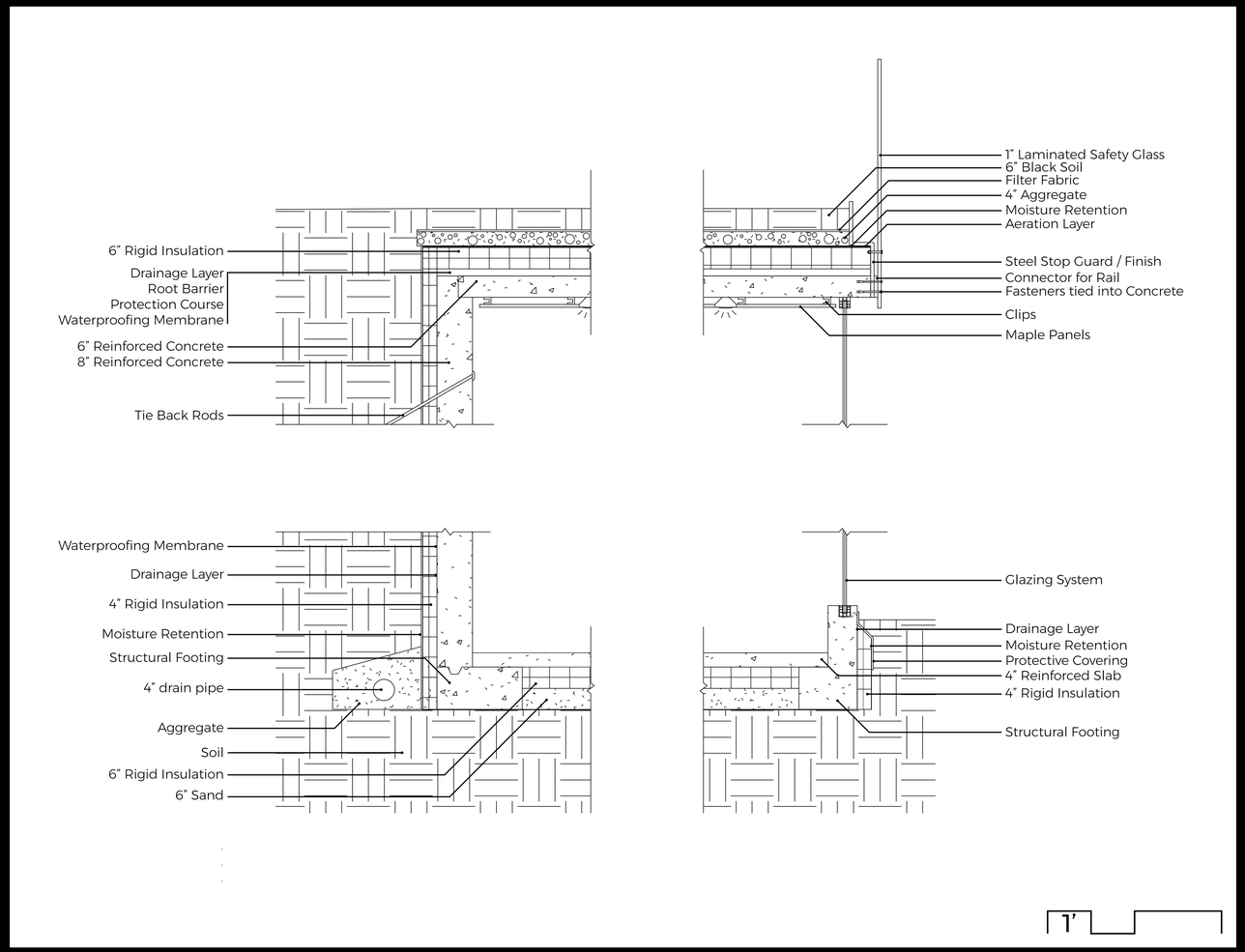
Thank You!

TYPICAL DETAILS