



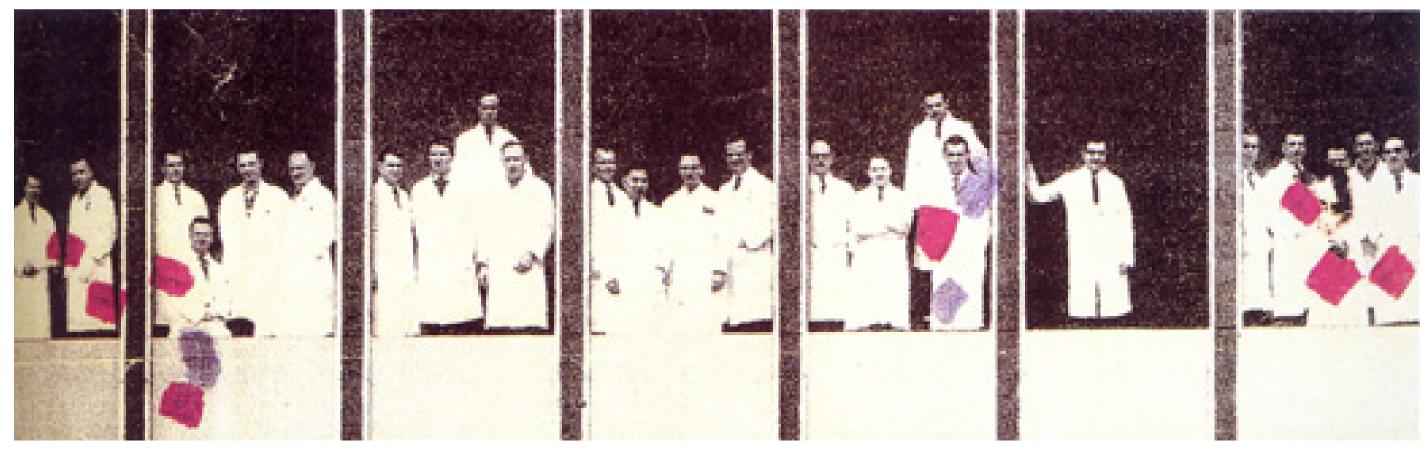
CONTENTS

THE URBAN CONDITION RHYTHM NOSTALGIA MYSTICISM	4
SCALE URBAN NEIGHBORHOOD INDIVIDUAL	12
PRECEDENT MODE GAKUEN COCOON TOWER HUNDERTWASSER HOUSE MV LOMONOSOV STATE UNIVERSITY LEIMONDO HOUSE OF LIGHT ENGLEWOOD MONTESSORI	20
HORIZONTAL: VERTICAL	30
SITE ANALYSIS LOCATION BUILDING CATALOG LAKESHORE EAST DEVELOPMENT TRANSPORTATION	34
FRAMING THE ISSUES TRAFFIC CIRCULATION SAFETY	44
CONCEPT COLOR TEXTURE LIGHT	46
RESOURCES PRECEDENT CATALOG BIBLIOGRAPHY	48

THE URBAN CONDITION IS A CONSTRUCTION OF RHYTHM, NOSTALGIA, AND MYSTICISM.







RHYTHM IS DERIVED FROM MOTION AND PROGRESSION.

(COLOR)





NOSTALGIA ENCOMPASSES MEMORY AND NATURE.

(CULTURE; LAYER ; TEXTURE)











MYSTICISM ENGULFS THE SENSORY IN THE CITY.

(THRESHOLD; LIGHT)





- 1. URBAN
- 2. NEIGHBORHOOD
- 3. INDIVIDUAL











I FIRMLY BELIEVE THAT THERE IS NEED FOR SCHOOLS WHICH ARE SCALED BOTH IN CONCEPT AND IN SIZE TO YOUNG PEOPLE WHO WILL BE USING THEM AND WHO, I HOPE, WILL GROW AS INDIVIDUALISTS.
-FROM LETTER WRITTEN BY BERTRAND GOLDBERG, JULY 1962



MENTAL MAP OF A 12 YEAR OLD GIRL











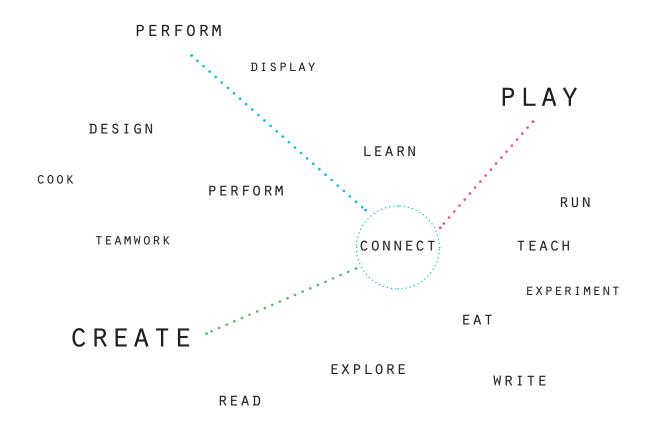












Mode Gakuen Cocoon Tower

PROJECT NAME: MODE GAKUEN COCOON TOWER

LOCATION: TOKYO, JAPAN

USE: VOCATIONAL SCHOOL

BUILDING SCALE: 50 STORIES

STRUCTURE: STEEL

DESIGN YEAR: 2005 COMPLETION YEAR: 2008

ARCHITECT: TANGE STRUCTURAL ENGINEER: ARUP

CLIENT: MODE GAKUEN

DESCRIPTION:

Mode Gakuen Cocoon Tower is an innovative educational facility located in Tokyo's distinctive Nishi-

SHINJUKU HIGH-RISE DISTRICT. COMPLETED IN OCTOBER 2008, THE 204-METER (669 FT) 50-STORY TOWER IS THE SECOND-TALLEST EDUCATIONAL BUILDING IN THE WORLD. THE BUILDING'S ELLIPTIC SHAPE, WRAPPED IN A CRISS-CROSS WEB OF DIAGONAL LINES, EMBODIES THE "COCOON" CONCEPT DEVELOPED BY TANGE ASSOCIATES. STUDENT OCCUPANTS ARE INSPIRED TO CREATE, GROW AND TRANSFORM WHILE EMBRACED WITHIN THIS COCOON-LIKE, INCUBATING FORM. IN

ESSENCE, THE CREATIVE DESIGN SUCCESSFULLY NURTURES STUDENTS TO COMMUNICATE AND THINK CREATIVELY.

SOURCE Mode Gakuen Cocoon Tower, Tokyo. CTBUH Journal 2009 Issue 1 pp.16-19







DRUK WHITE LOTUS SCHOOL

PROJECT NAME:

DRUK WHITE LOTUS SCHOOL

LOCATION:

NAGAHAMA, SHIGA, JAPAN

USE:

NURSERY SCHOOL - 8TH GRADE

BUILDING SCALE: 1 STORY
STRUCTURE: WOOD

DESIGN YEAR: 1997 COMPLETION YEAR: 2009

ARCHITECT: ARUP

CLIENT: DRUKPA TRUST

DESCRIPTION:

The Drukpa Trust's intent to develop a model sustainable school was ambitious, not only in terms of

'HARDWARE'-ENERGY, SITE INFRASTRUCTURE, BUILDINGS, MATERIAL RESOURCE USE-BUT ALSO IN 'SOFT' SKILLS LIKE BUILDING UP THE LOCAL PROJECT MANAGEMENT TEAM, ESTABLISHING A COST DATABASE, AND IN OPTIMIZING THE USE OF LOCAL RESOURCES. THE WHOLE PROJECT IS INTENDED TO DEMONSTRATE A NEW APPROACH TO TEACHING IN SUCH AN UNIQUE RURAL COMMUNITY. IT WAS ALSO CLEAR THAT THE SCHOOL COULD HAVE A WIDE INFLUENCE, CONTRIBUTING TO THE

DEVELOPMENT OF APPROPRIATE BUILDING TECHNOLOGIES ELSEWHERE IN THE WORLD.

SOURCE BRIAN CARTER - SCHOOL OF ARCHITECTURE AND PLANNING, BUFFALO, NEW YORK: BUFFALO BOOKS, 2006.







HUNDERTWASSER HOUSE

PROJECT NAME: HUNDERTWASSER HOUSE

LOCATION: VIENNA, AUSTRIA

USE: RESIDENTIAL

BUILDING SCALE: 5 STORIES

DESIGN YEAR: 1983 COMPLETION YEAR: 1986

ARCHITECT: FRIEDENSREICH HUNDERTWASSER

DESCRIPTION:

The house was built between 1983 and 1986 by architects Univ.-Prof. Joseph Krawina and Peter Pelikan. It

FEATURES UNDULATING FLOORS ("AN UNEVEN FLOOR IS A MELODY TO THE FEET"), A ROOF COVERED WITH EARTH AND

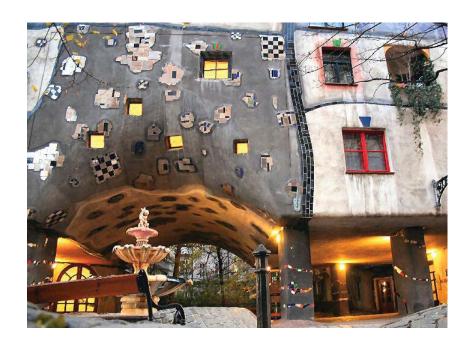
GRASS, AND LARGE TREES GROWING FROM INSIDE THE ROOMS, WITH LIMBS EXTENDING FROM WINDOWS

AT A 1980 PRESS CONFERENCE WITH THE MAYOR OF VIENNA, HUNDERTWASSER STATED: "MAN HAS THREE SKINS: HIS OWN, HIS CLOTHING, AND HIS DWELLING. ALL THREE SKINS MUST CONTINUALLY CHANGE, BE RENEWED, STEADILY GROW AND INCESSANTLY CHANGE OR THE ORGANISM WILL DIE. WHEN THE RESIDENT MOVES IN, HIS CREATIVE BUILDING ACTIVITY MUST

BEGIN; IT MUST NOT BE FINSISHED WHEN HE MOVES IN."

CASE STATEMENT A HOUSE IN HARMONY WITH NATURE

SOURCE MALNAR, JOY MONICE., AND FRANK VODVARKA. SENSORY DESIGN. MINNEAPOLIS: UNIVERSITY OF MINNESOTA, 2004.







MV LOMONOSOV STATE UNIVERSITY

PROJECT NAME: MV LOMONOSOV STATE UNIVERSITY

LOCATION: MOSCOW, RUSSIA

USE: EDUCATION

BUILDING SCALE: 39 STORIES

STRUCTURE: STEEL

DESIGN YEAR: 1949 COMPLETION YEAR: 1953

ARCHITECT: LEV VLADIMIROVITCH RUDNEV
STRUCTURAL ENGINEER: NIKOLAI VASILYEVICH NIKITIN

DESCRIPTION:

The main building was designed by architect Lev Vladimirovich Rudnev. In the post-war era, Joseph Stalin ordered seven huge tiered neoclassic towers to be built around the city. The MSU Main building is by far

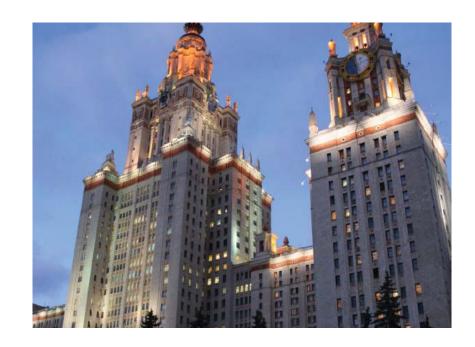
THE LARGEST OF THESE. IT WAS THE TALLEST BUILDING IN THE WORLD OUTSIDE OF NEW YORK CITY AT THE TIME OF ITS CONSTRUCTION, AND REMAINED THE TALLEST BUILDING IN EUROPE UNTIL 1990. THE CENTRAL TOWER IS 240 M TALL, 36 STORIES HIGH, AND FLANKED BY FOUR HUGE WINGS OF STUDENT AND FACULTY ACCOMMODATIONS. IT IS SAID TO CONTAIN

A TOTAL OF 33 KILOMETERS OF CORRIDORS AND 5,000 ROOMS.

FACILITIES AVAILABLE INSIDE THE BUILDING INCLUDE A CONCERT HALL, A THEATER, A MUSEUM, VARIOUS ADMINISTRATIVE SERVICES, A LIBRARY, A SWIMMING POOL, A POLICE STATION, A POST OFFICE, A LAUNDRY, A HAIRDRESSER'S SALON, SEVERAL CANTEENS, BANK OFFICES AND ATMS, SHOPS, CAFETERIAS, A BOMB SHELTER, ETC.

SOURCE "HISTORY OF MOSCOW UNIVERSITY." MOSCOW UNIVERSITY. WEB. 18 SEPT. 2011. http://www.msu.ru/en/info/history.

HTML>.







HOUSE OF LIGHT

PROJECT NAME: LEIMOND-NAGAHAMA NURSERY SCHOOL

LOCATION: NAGAHAMA, SHIGA, JAPAN

Use: Nursery School

SITE AREA: 5625.4 M² (60551.3 FT²)
BUILDING AREA: 691.0 M² (7437.8 FT²)
GROSS FLOOR AREA: 600.7 M² (6466.2 FT²)

BUILDING SCALE: 1 STORY
STRUCTURE: STEEL

MAXIMUM HEIGHT: 9.1 M(29.7 FT)

DESIGN YEAR: 2010 COMPLETION YEAR: 2011

ARCHITECT: HIROTANI YOSHIHIRO AND ISHIDA YUSAKU / ARCHIVISION HIROTANI STUDIO

CLIENT: SOCIAL WELFARE CORPORATION LEMONKAI

STRUCTURAL ENGINEERS: UMEZAWA STRUCTURAL ENGINEERS

MECHANICAL ENGINEERS: AZU PLANNING

GENERAL CONTRACTORS: K.K.OKUDA KOUMUTEN

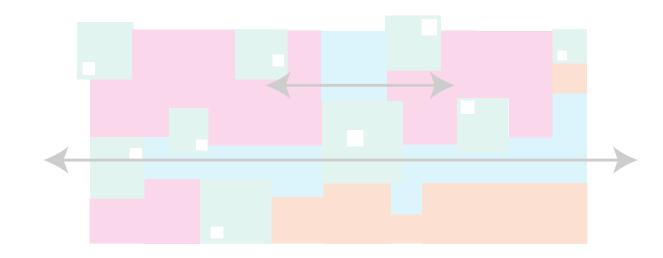
Source: Archivision. Web. 18 Sept. 2011. <www.archivision-hs.co.jp>.

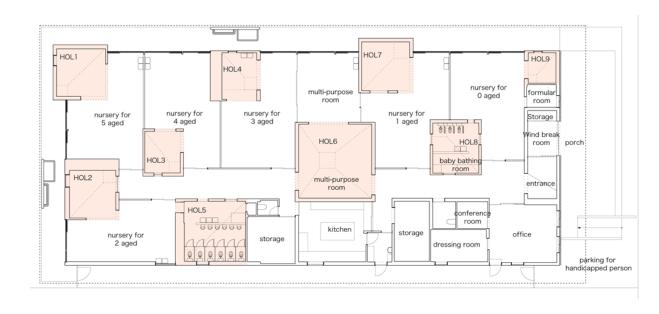


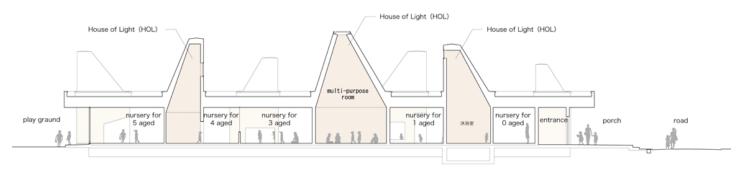












PSYCHOLOGY

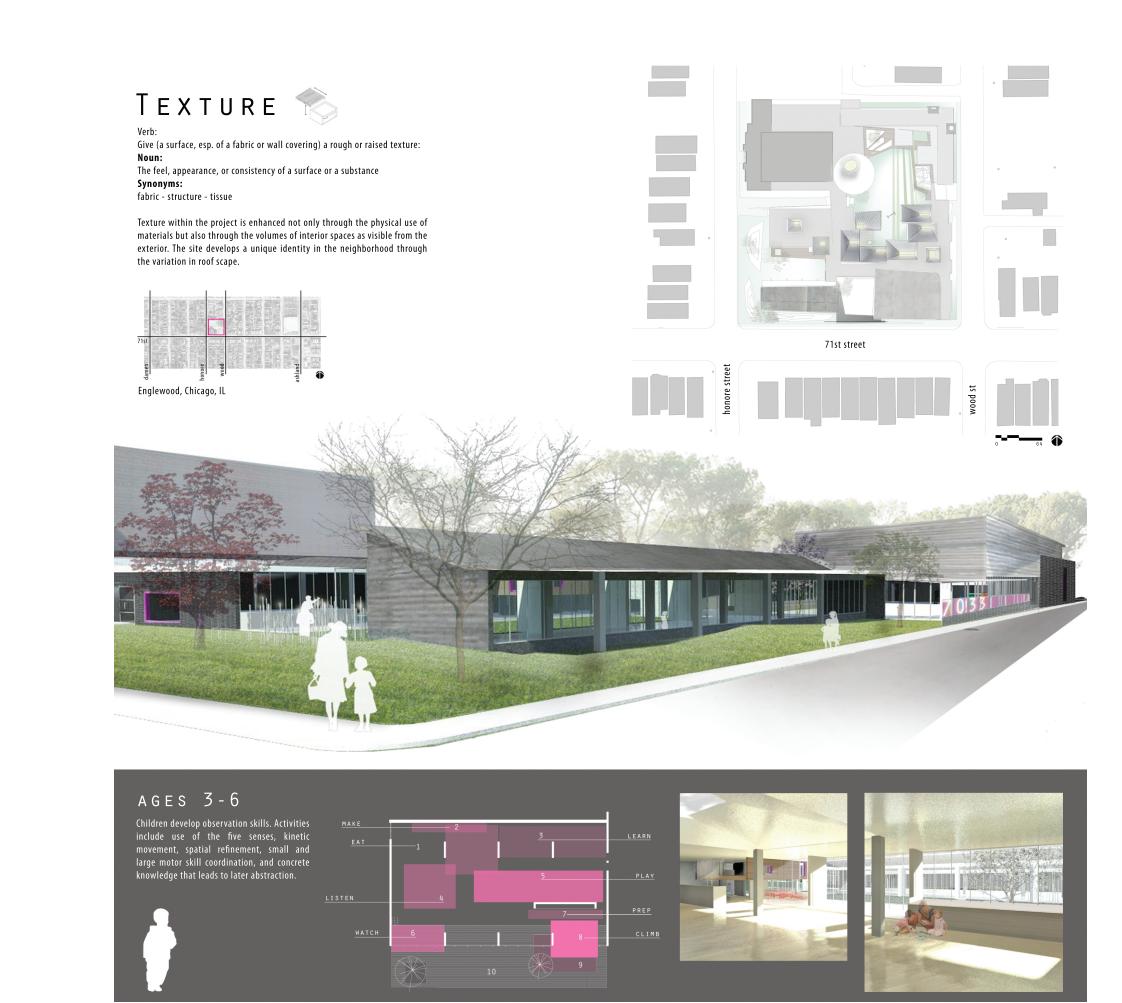
COLOR LIGHT DAYLIGHT

SCALE

ROOM RELATIONSHIP THRESHOLD LAYER OF SPACE

ERGONOMICS

PROPORTION
HEIGHTS
FURNITURE
MATERIALS



LIGHT

Noun:

The natural agent that stimulates sight and makes things visible **Verb:**

Provide with light or lighting; illuminate

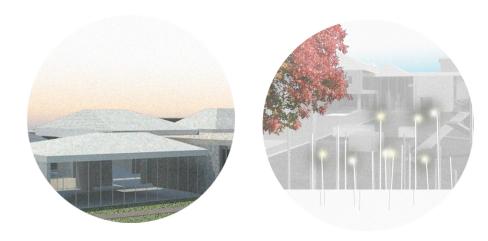
Synonyms:

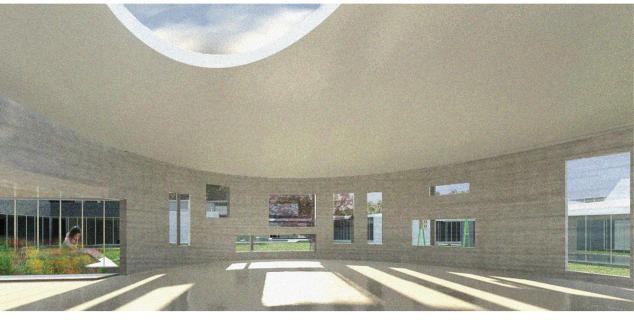
noun. illumination

verb. kindle - ignite

Light plays an integral part in the relationship of space in the school. Apertures in the roof and walls are designed to optimize light depending on the function of the space: learning, reading, and playing. Children about the passage of time as light filters in and plays within the building throughout the day.









COLOR 🦠

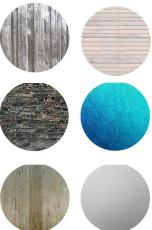
The property possessed by an object of producing different sensations on the eye as a result of the way it reflects or emits light

Synonyms:

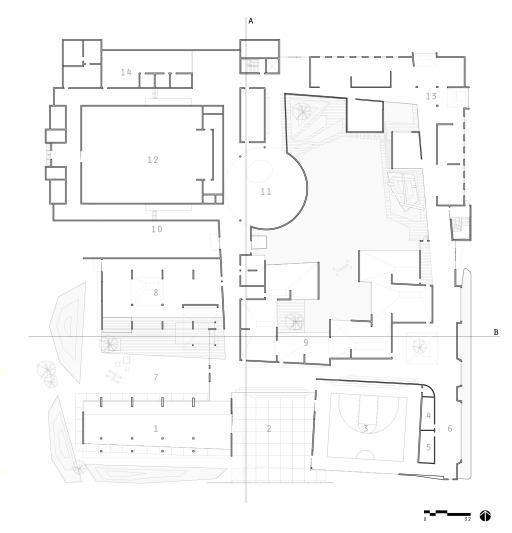
noun. hue - paint - tint - colouring

Color is subtly applied through the use of materials. Perception of space is altered through color filters and perspective in progression through the building. Vivid colors are visible from the interior and exterior of the school to simultaneously illuminate and enliven the community and students.

MATERIAL STUDY



- 1 library/multipurpose 2 courtyard play area 3 gymnasium 4 girls washroom 5 boys washroom 6 studio 7 little kids playground 8 3-6 classrooms 9 6-9 classrooms 10 community garden 11 cafeteria 12 auditorium 13 9-12 classrooms 14 nurses clinic





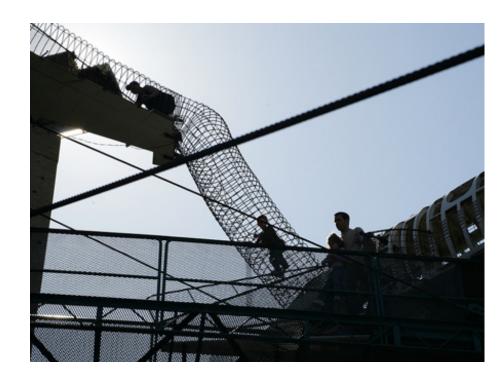








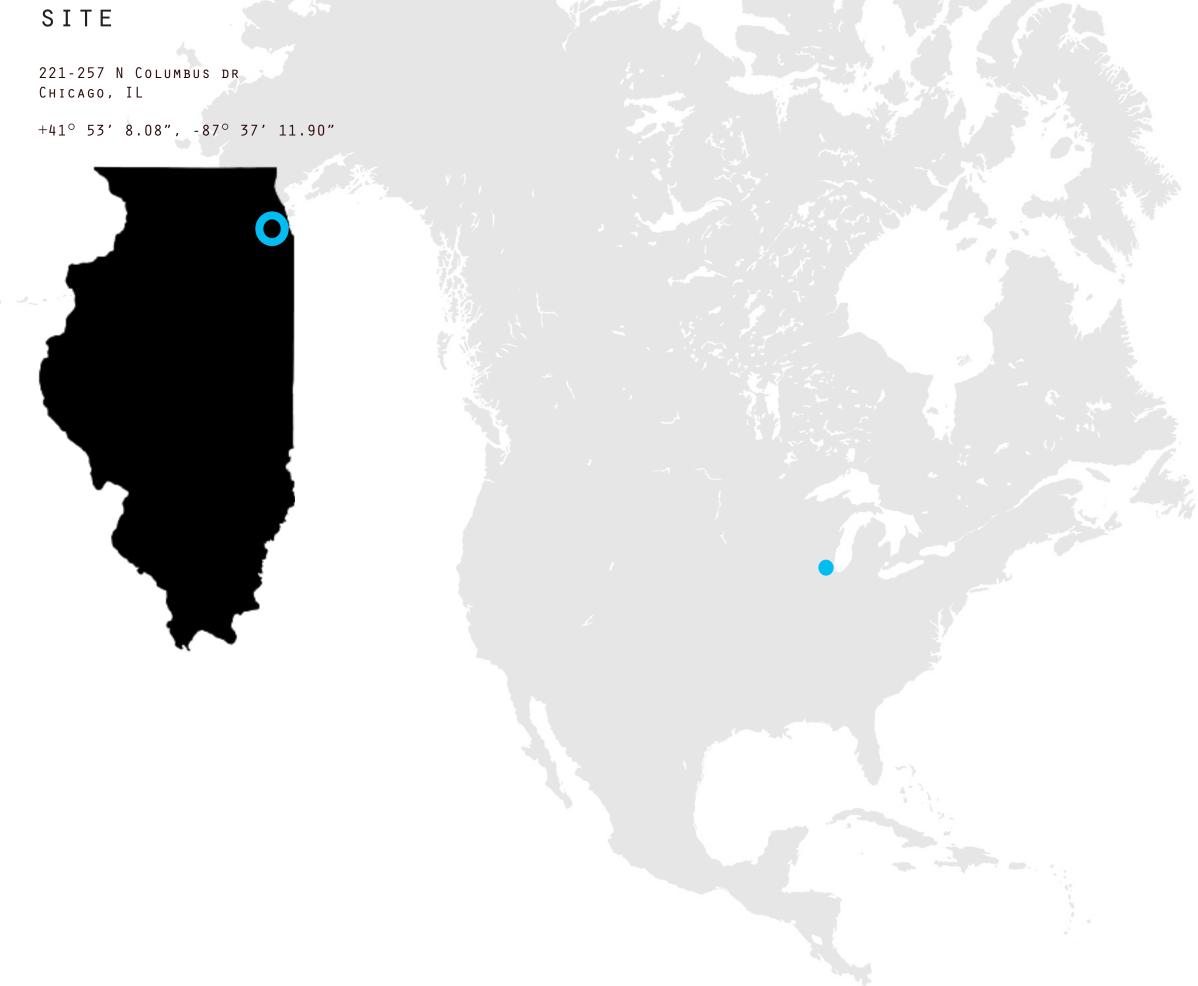
SUBURBAN OPEN SPACE

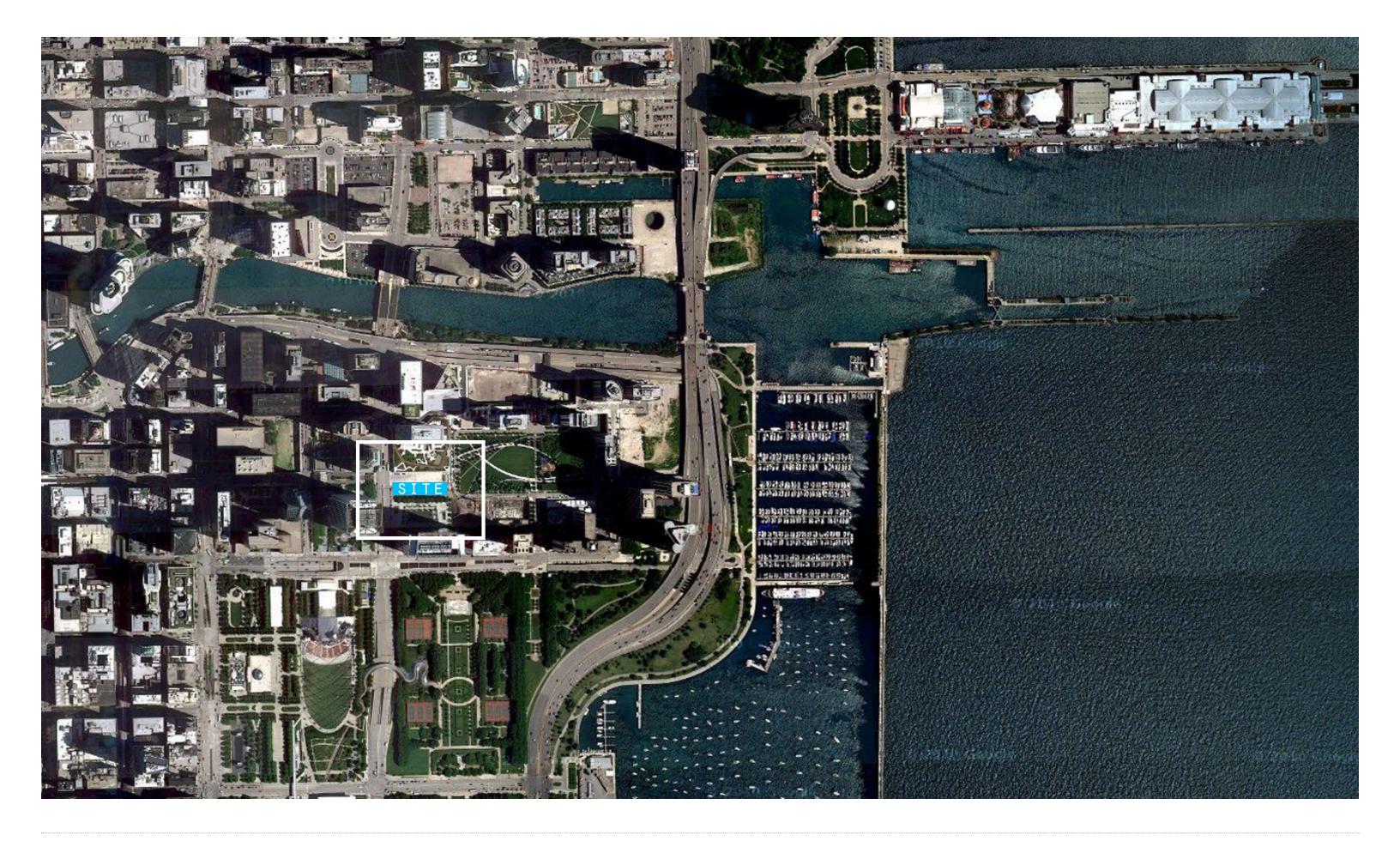




URBAN SPACE LIMITATION







BUILDING CATALOG

- 1 AQUA TOWER
- 2 THE TIDES
- 3 THE SHOREHAM
- 4 THE LANCASTER
- 5 THE PARKSHORE
- 6 HARBOR POINT
- 7 175 N HARBOR DRIVE
- 8 400 E RANDOLPH
- 9 BUCKINGHAM PLAZA
- 10 VILLAGE MARKET CENTER
- 11 ON THE PARK
- 12 BLUE CROSS BLUE SHEID



LAKESHORE EAST DEVELOPMENT

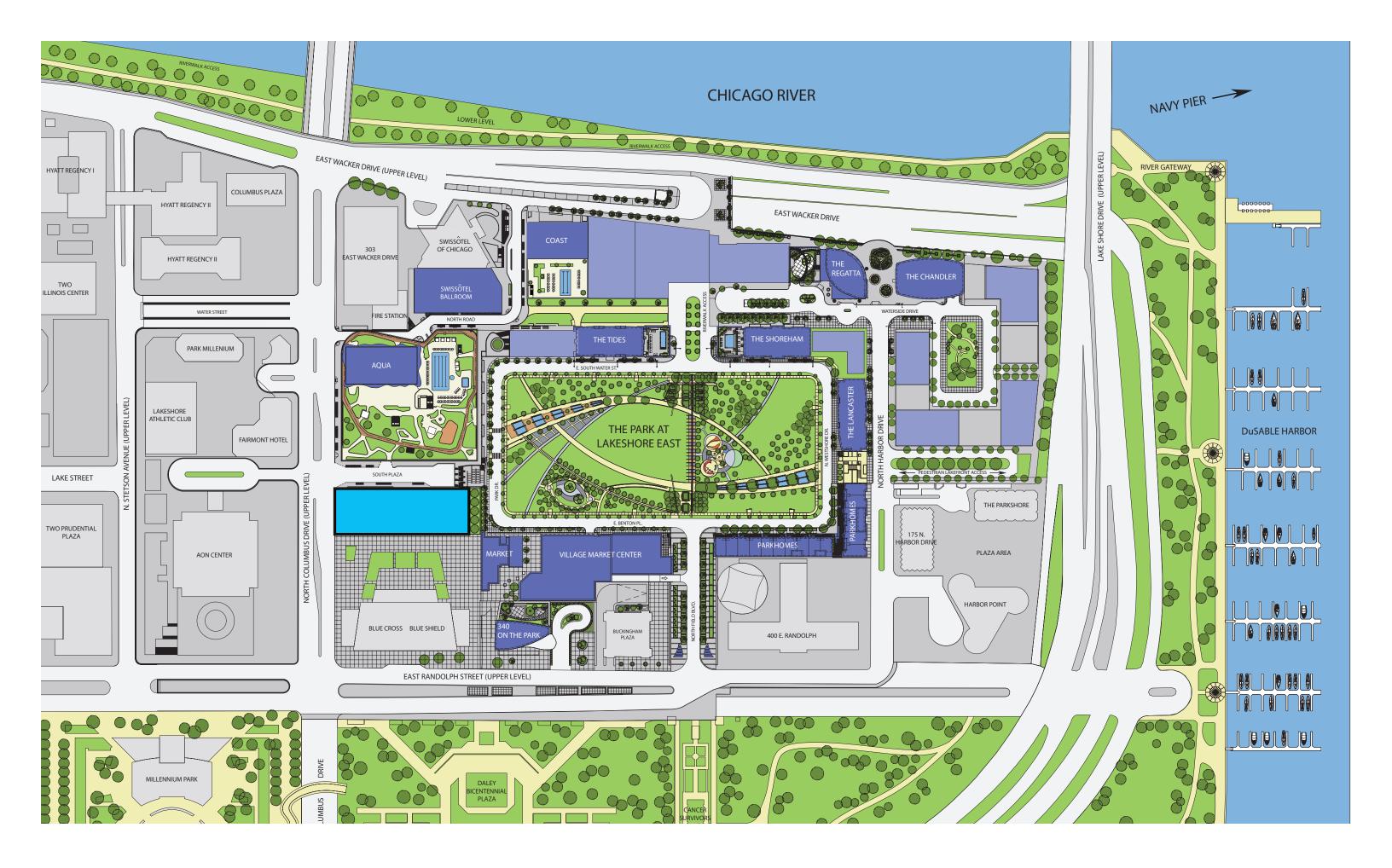
THE MASTER PLAN WON THE 2002 AMERICAN INSTITUTE OF ARCHITECTS NATIONAL HONOR AWARD FOR REGIONAL AND URBAN DESIGN. THE PARK WAS HONORED AS THE BEST NEW PARK IN CHICAGO BY CHICAGO MAGZINE AND THE CITY'S BEST NEW OPEN SPACE BY THE FRIENDS OF DOWNTOWN. THE MASTER PLAN, THE PARK AND SEVERAL INDIVIDUAL BUILDINGS HAVE WON NUMEROUS OTHER AWARDS.

\$532,169

DEMOGRAPHICS

AVERAGE PROPERTY VALUE

8450 PEOPLE POPULATION 16838 PEOPLE/SQ MILE POPULATION DENSITY 5152 HOUSEHOLDS TOTAL HOUSEHOLDS 1627 HOUSEHOLDS TOTAL FAMILY HOUSEHOLDS 1.64 PEOPLE/HOUSEHOLD AVERAGE HOUSEHOLD SIZE AVERAGE FAMILY SIZE 2.41 PEOPLE/HOUSEHOLD 46 YEARS AVERAGE RESIDENT AGE \$93,973 AVERAGE HOUSEHOLD INCOME 125.9 COST OF LIVING INDEX



TRANSPORTATION

EL TRACK

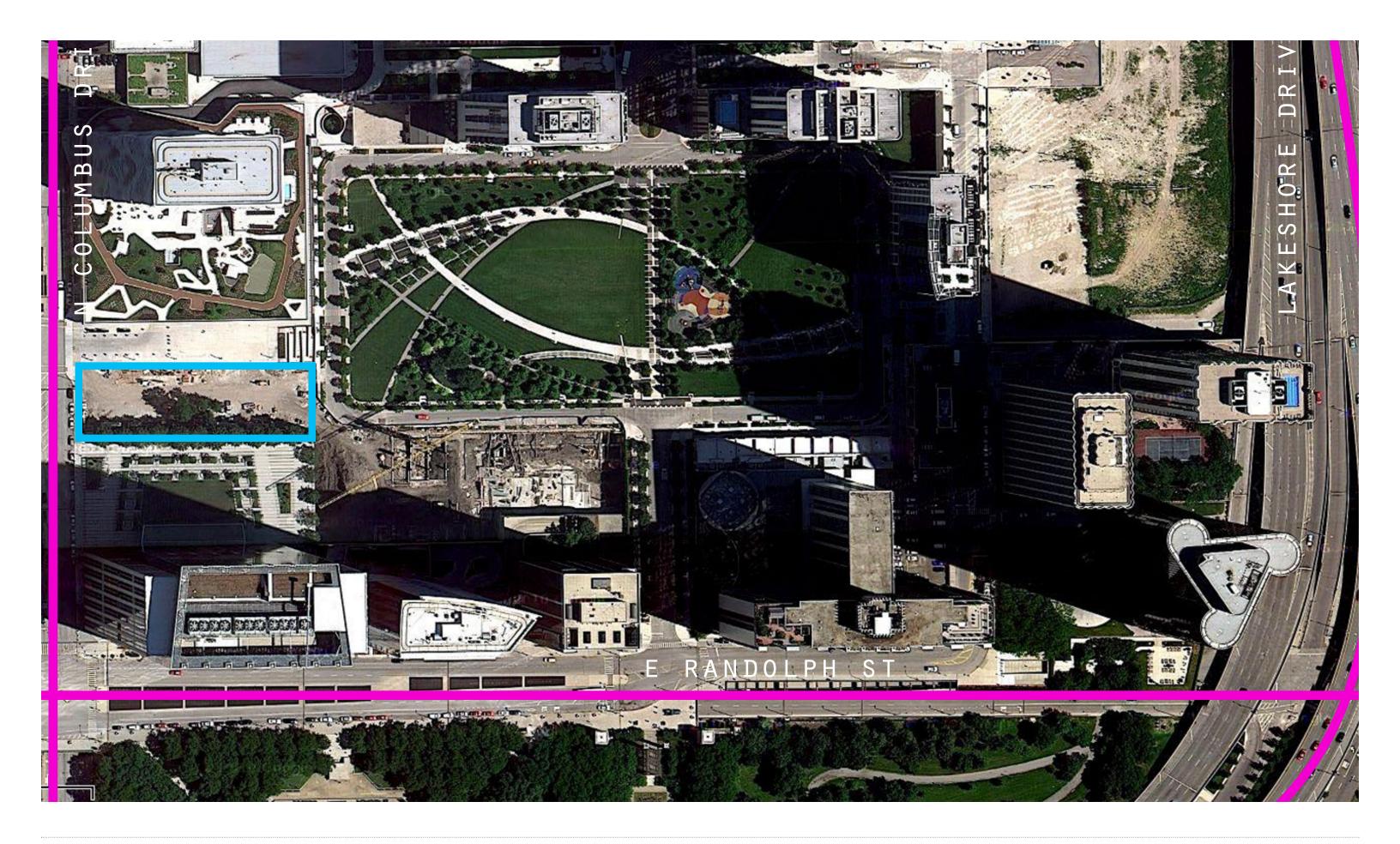
RED LINE (SERVICE BETWEEN HOWARD AND 95TH/DAN RYAN)
BLUE LINE (SERVICE BETWEEN CHICAGO-OHARE AND FOREST PARK)
BROWN LINE (SERVICE BETWEEN KIMBALL AND DOWNTOWN)
GREEN LINE (SERVICE BETWEEN HARLEM AND 63RD)
ORANGE LINE (SERVICE BETWEEN MIDWAY AND DOWNTOWN)
PURPLE LINE (SERVICE BETWEEN LINDEN AND HOWARD VIA EVANSTON)

BUS LINES AND SERVICE POINTS

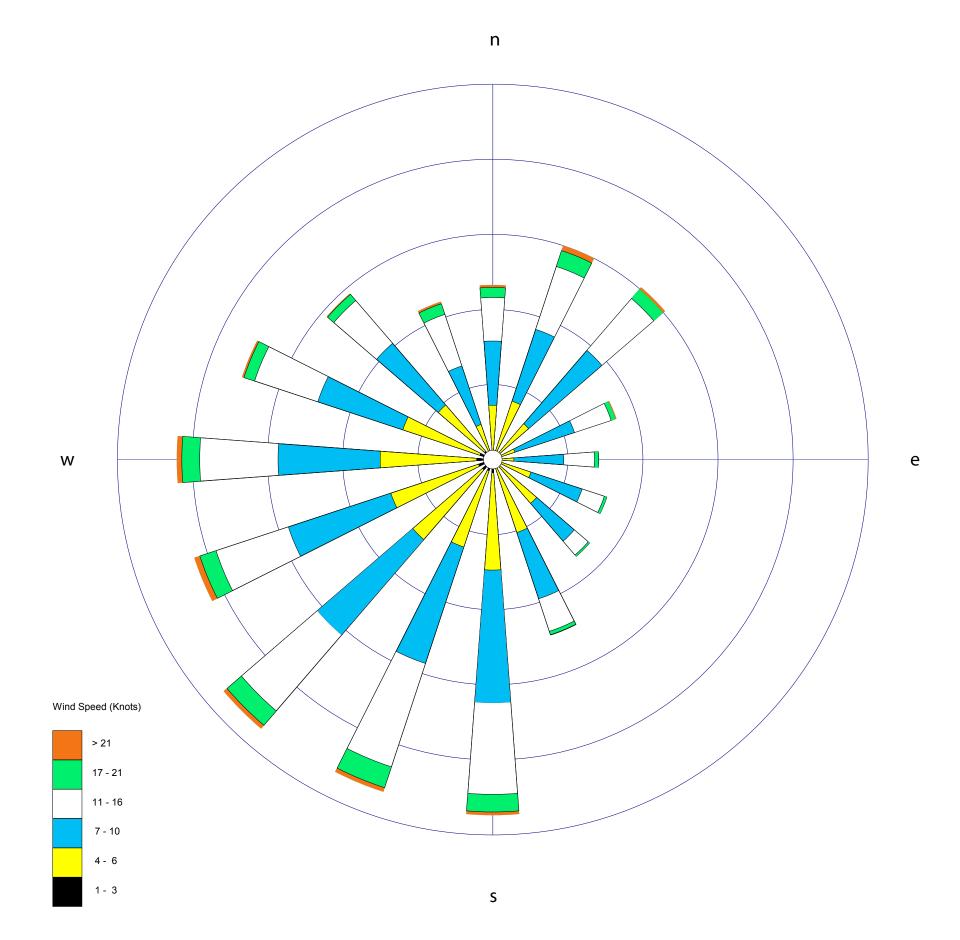
RT 4 UPPER WACKER & UPPER N COLUMBUS DR (FROM SOUTH SIDE TO LOOP)
RT 6 UPPER WACKER & UPPER N COLUMBUS DR (FROM SOUTH SIDE TO LOOP)
RT 120-123 UPPER WACKER & UPPER N COLUMBUS DR (EXPRESS TO OGLIVIE STATIONS)
RT 20 UPPER RANDOLPH & UPPER N COLUMBUS DR (TO OGLIVIE STATION)
RT 134-136 MICHIGAN AVE & WACKER (EXPRESS TO LOOP FROM NORTH SIDE)
RT 144-147 MICHIGAN AVE & WACKER (EXPRESS TO LOOP FROM NORTH SIDE VIA LSD)

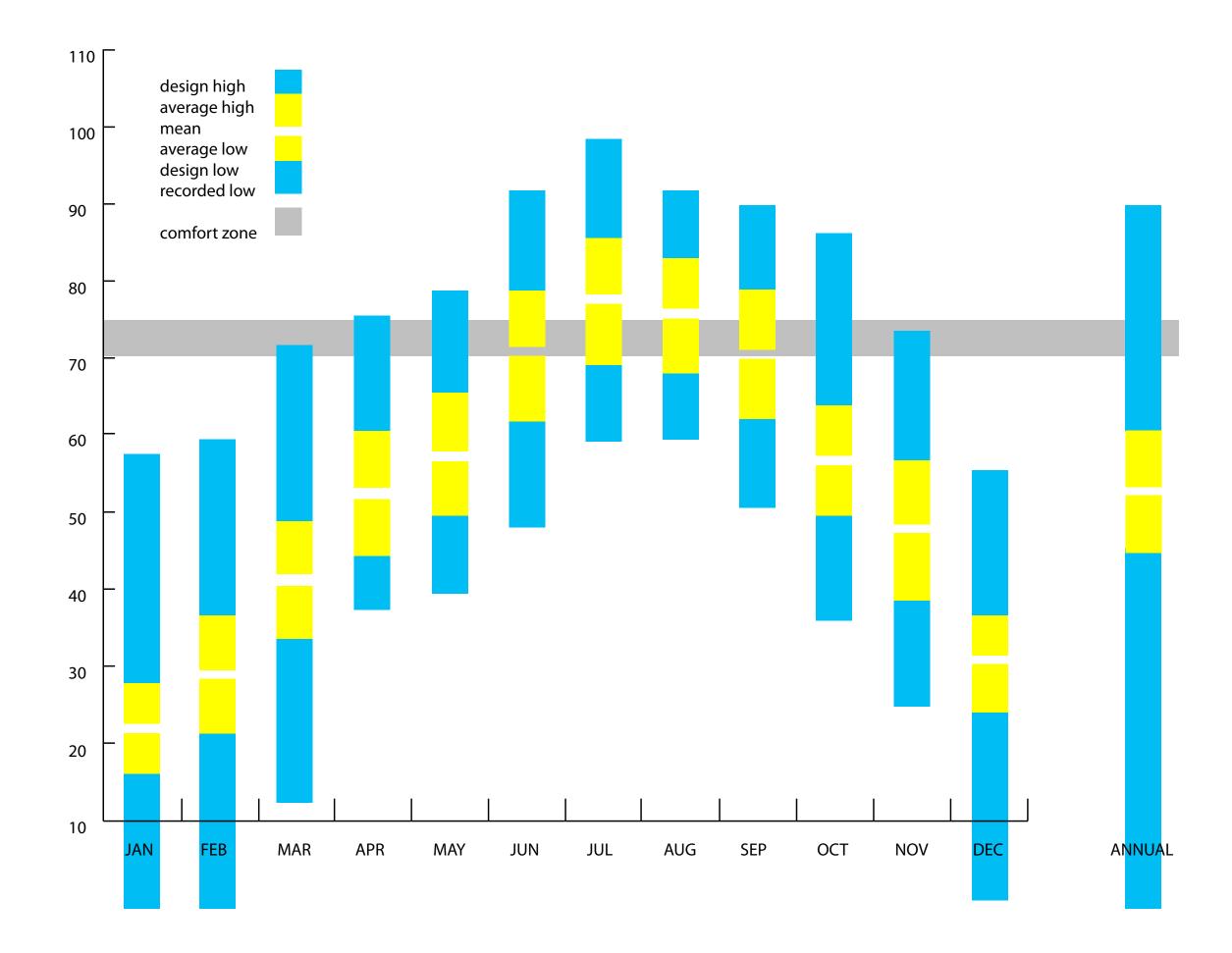
OGILVIE TRANSPORTATION CENTER
UNION PACIFIC NORTH
UNION PACIFIC WEST
UNION PACIFIC NORTHWEST

UNION STATION LINES
NORTH CENTRAL SERVICE
MILWAUKEE DISTRICT NORTH
MILWAUKEE DISTRICT WEST
BNSF RAILWAY
HERITAGE CORRIDOR
SOUTHWEST SERVICE

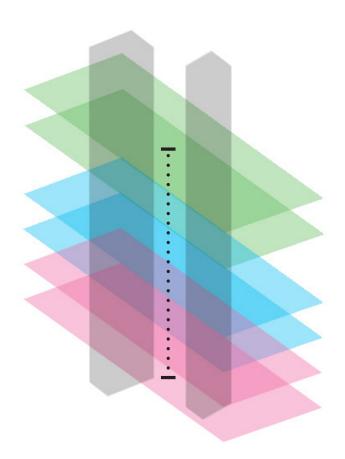


1 ANNUAL WIND 2 TEMPERATURE





ESTABLISHING
CIRCULATION AND
CONNECTION BETWEEN
LEVELS OF EDUCATION.



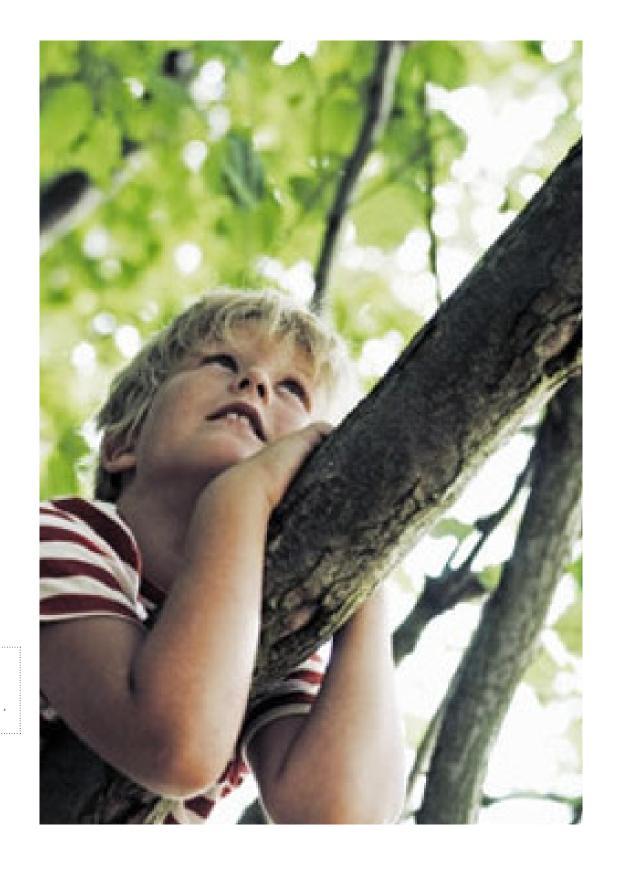
ISSUES

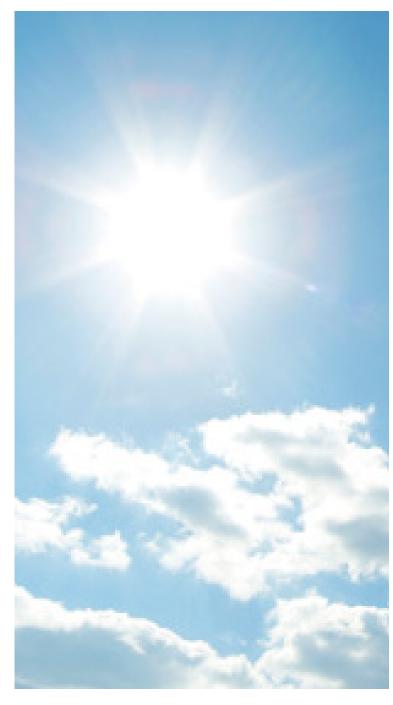
- 1 CIRCULATION
- 2 NATURE
- 3 DAYLIGHT
- 4 SAFETY
- 5 TRAFFIC
- 6 ORIENTATION
- 7 SITE PROPORTION

PROVIDING A STIMULATING

ENVIORNMENT SENSITIVE TO

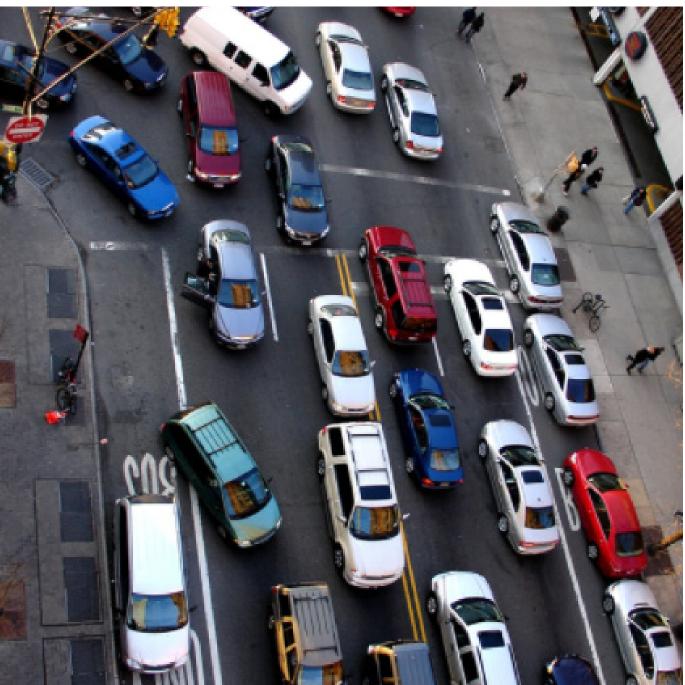
THE HUMAN NEED FOR NATURE.





MAINTAINING PLENTIFUL DAYLIGHT TO ALL INTERIOR SPACES.

PROVIDING A SAFE ENVIRONMENT WITH SECURE ACCESS POINTS.



DESIGN FACTORS



EXPLORATION

THE SCHOOL WILL FOSTER LEARNING, EXPLORATION, AND DEVELOPMENT THROUGH AN ENRICHING, INTERACTIVE ENVIRONMENT. ALL PARTS OF THE DESIGN WILL BE VIEWED AS AN OPPORTUNITY FOR LEARNING AND WILL SUPPORT GROWTH.

SENSORY INTEGRATION

THE DESIGN WILL ENGAGE STUDENTS THROUGH THE EXAMINATION AND UTILIZATION OF SENSORY DESIGN METHODS, INCLUDING MATERIAL APPLICATION, LIGHTING, SPATIAL CONFIGURATION, AND INTEGRATION OF EXTERIOR SPACE.

COMMUNITY

THE SCHOOL WILL ADD VITALITY AND IDENTITY OF THE LAKESHORE EAST COMMUNITY PROVIDING A CENTRAL POINT OF INTEREST AND NEIGHBORHOOD CONNECTION. IT WILL BE A CATALYST FOR THE DEVELOPMENT OF NEIGHBORHOOD SUPPORT BUILDINGS, AS WELL AS CULTURE.

CONNECTION

THE SCHOOL WILL PROVIDE OPPORTUNITIES FOR CONNECTION THROUGH A RANGE OF SCALES INCLUDING: STUDENT-TO-STUDENT, STUDENT TO TEACHER, SCHOOL OCCUPANT TO THE COMMUNITY, AND THE COMMUNITY TO GREATER CHICAGO.

LARGE CENTRAL ROOMS WILL ENCOURAGE INTERACTION BETWEEN STUDENTS AND TEACHERS. THESE CENTRAL ROOMS SHOULD ACTS AS A CONNECTIVE TISSUE HORIZONTALLY BUT ALSO VERTICALLY, HOUSING ALL LEVEL-TO-LEVEL CIRCULATION.

CLASSROOMS SHOULD PROVIDE AN ABUNDANCE OF LIGHT COLOR AND TEXTURE. THE ROOMS SHOULD BE FLEXIBLE AND ALLOW FOR A VARIETY OF SPATIAL CONFIGURATIONS TO OCCUR.

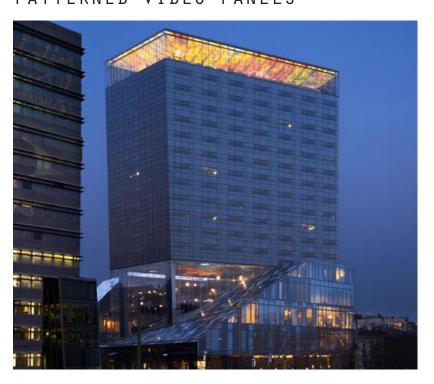


PROGRAM
NEW CORES
ROTATION
GRID
ADAPTATION
SUN
VENTILATION
NATURE
COLOR
TEXTURE
LIGHT

PRECEDENT INDEX

PROJECT NAME
CITY, COUNTRY
ARCHITECT [COMPLETION]
FEATURE

SOFITEL
VIENNA, AUSTRIA
JEAN NOUVEL [2010]
PATTERNED VIDEO PANELS



Q1
ESSEN, GERMANY
JSWD ARCHITECTS [2011]
CENTRAL CONNECTION



CITE DE L'OCEAN ET DU SURF BIARRITZ, FRANCE STEVEN HOLL ARCHITECTS [2011] LIGHT; LAYERING



SKY COURTS
CHENGDU, CHINA
HÖWELER + YOON [2011]
MATERIALS; TEXTURE



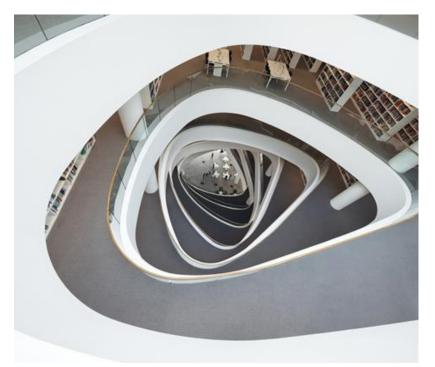
JOSEPH BRENNEMAN ELEMENTARY SCHOOL
CHICAGO, USA
BERTRAND GOLDBERG [1963]
ORGANIC COMPOSITION; ZONED SPACES; DAYLIGHT



PARIS PARC
PARIS, FRANCE
BIG [IN PROGRESS]
PROGRAMMED GREEN ROOF



UNIVERSITY OF ABERDEEN LIBRARY
ABERDEENSHIRE, SCOTLAND
SCHMIDT HAMMER LASSEN [2011]
INTERIOR VERTICAL CONNECTION



SINGAPORE SCHOOL OF THE ARTS
SINGAPORE
WOHA [2011]
NATURAL VENTILATION; SKY GARDEN

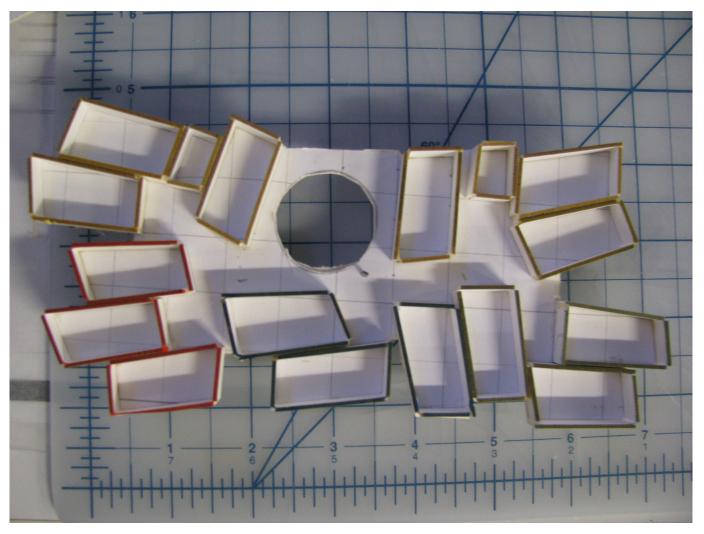


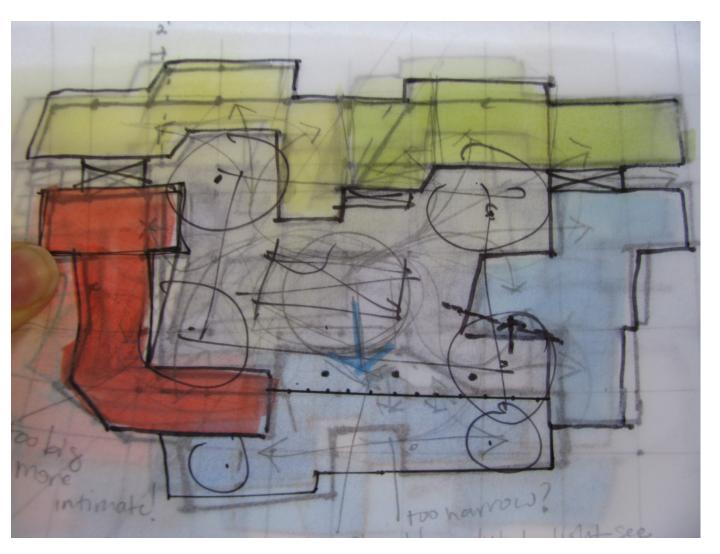
SINATRA SCHOOL OF THE ARTS
NEW YORK CITY, NEW YORK
ANNEAD ARCHITECTS [2009]
TRANSPARENCY

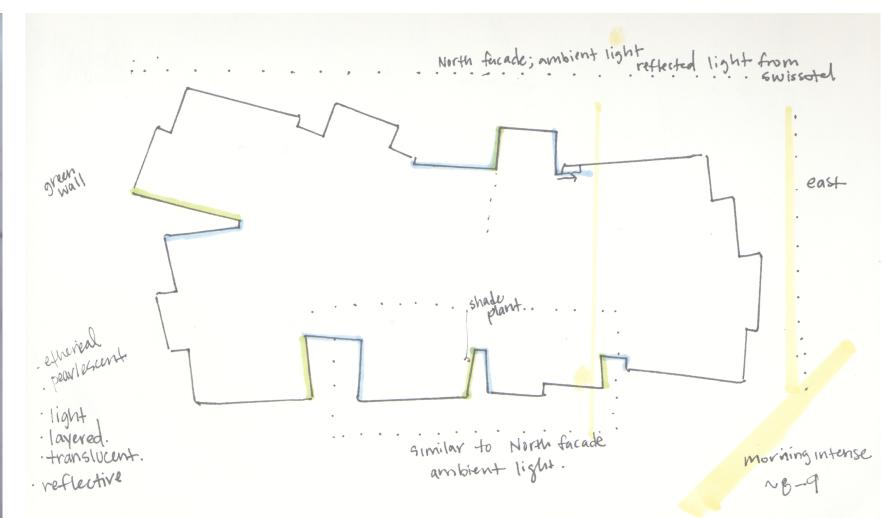


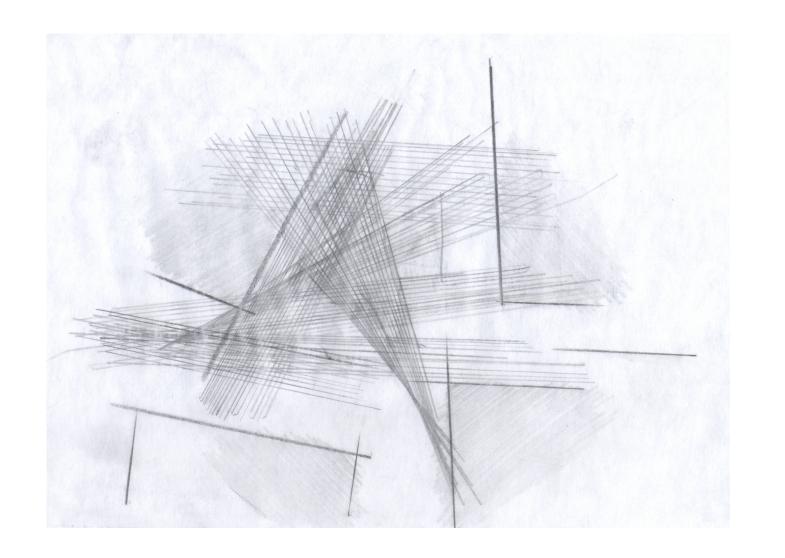
PROCESS

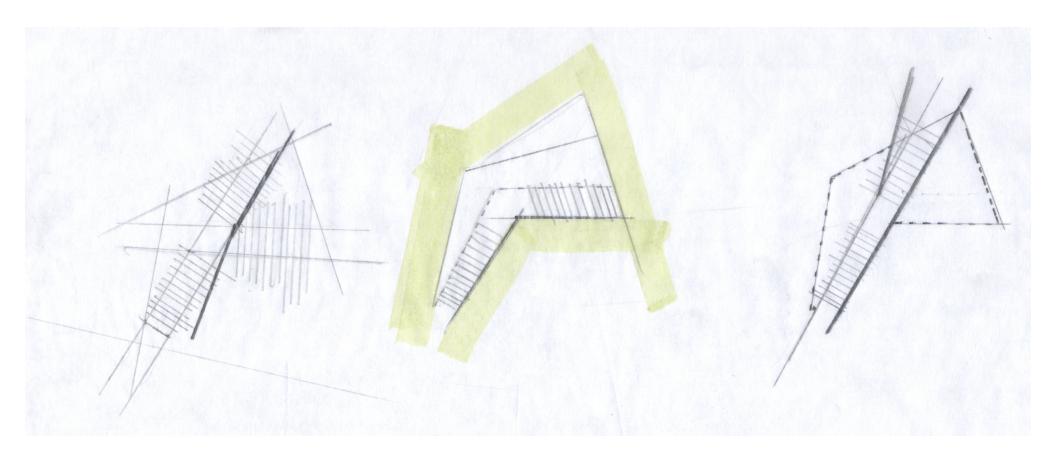


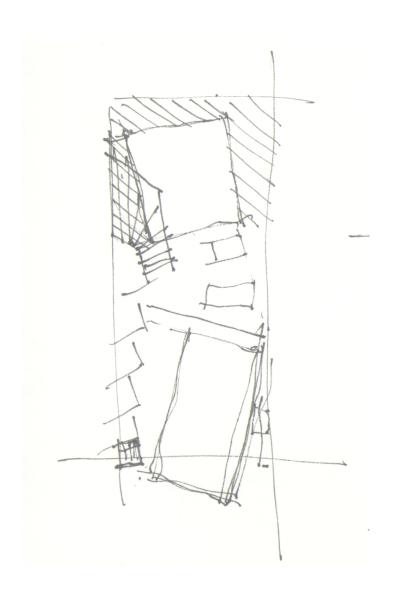


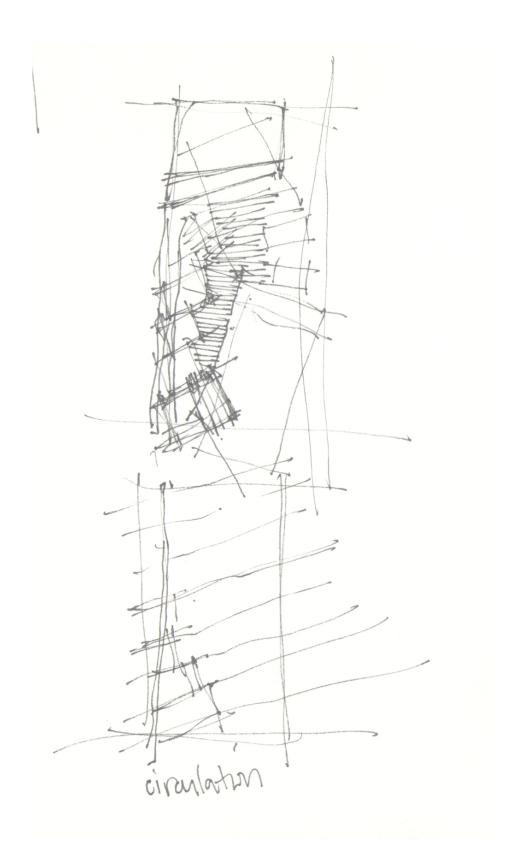


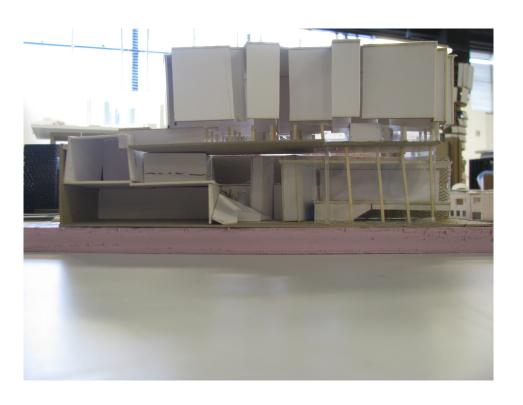


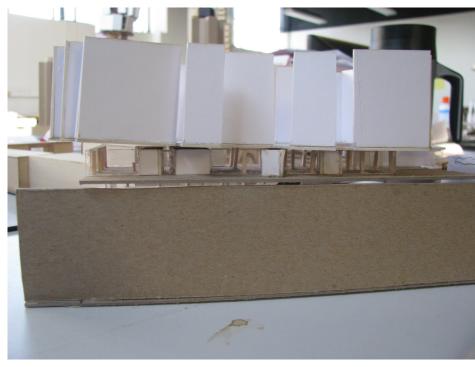


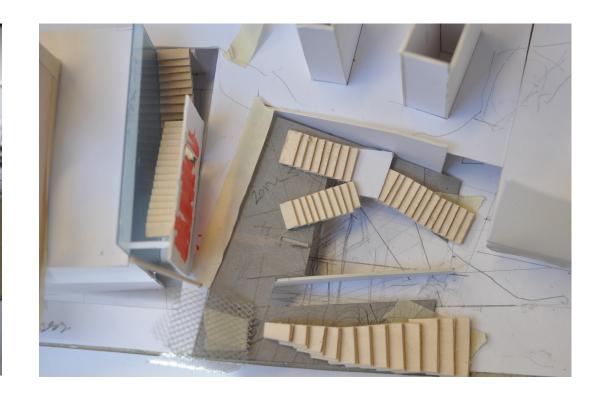




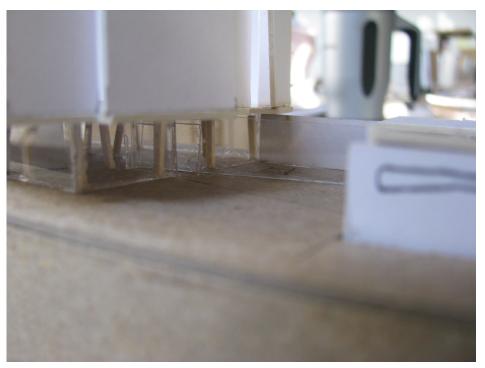






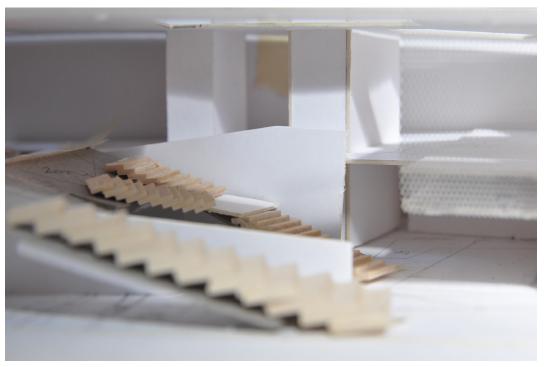


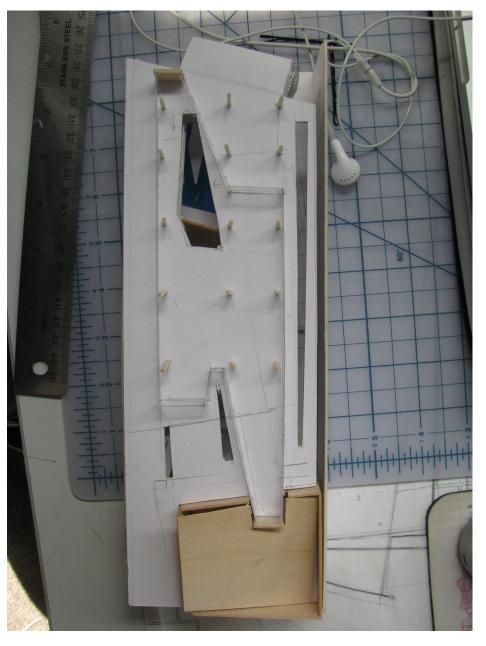




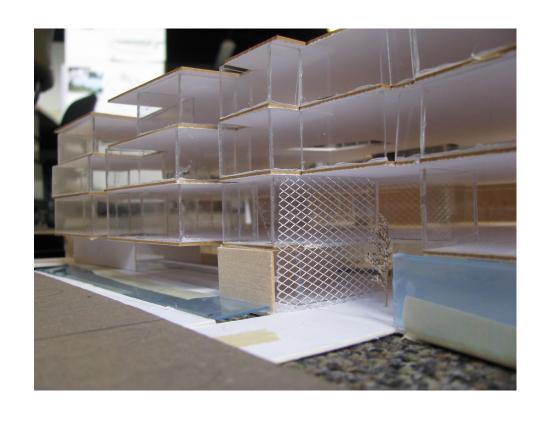


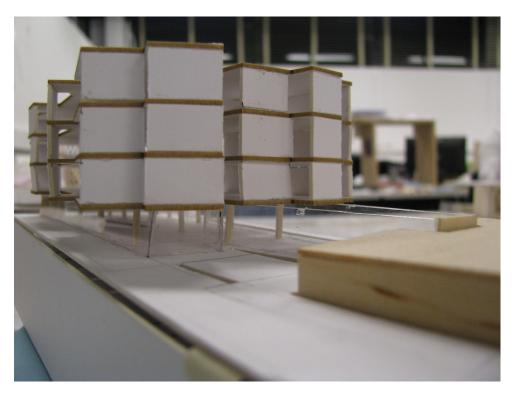


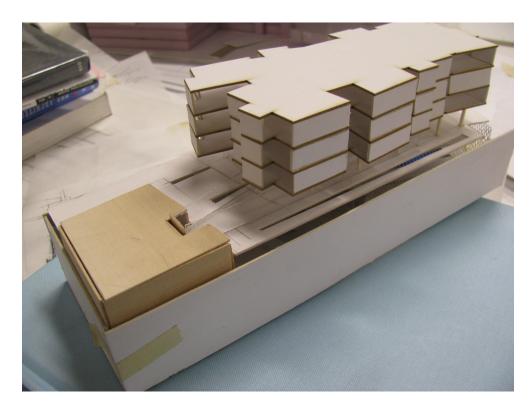








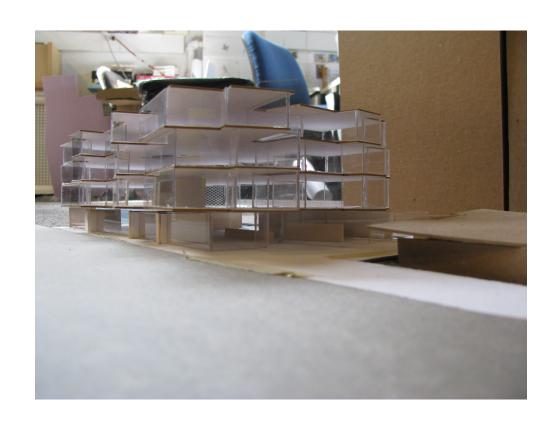






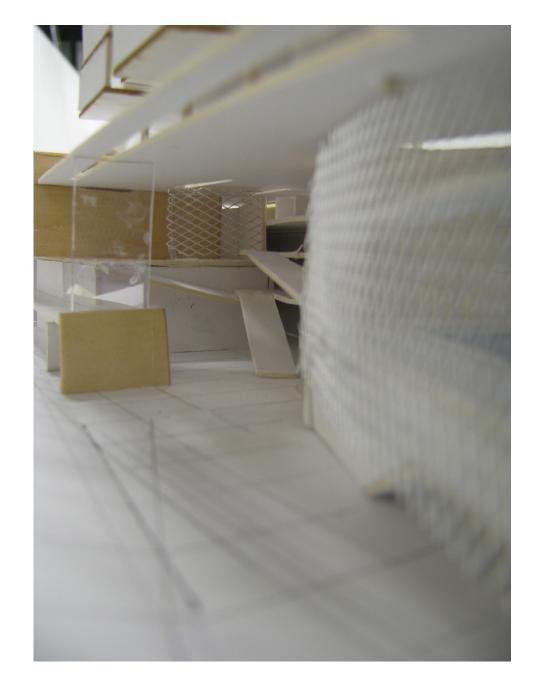


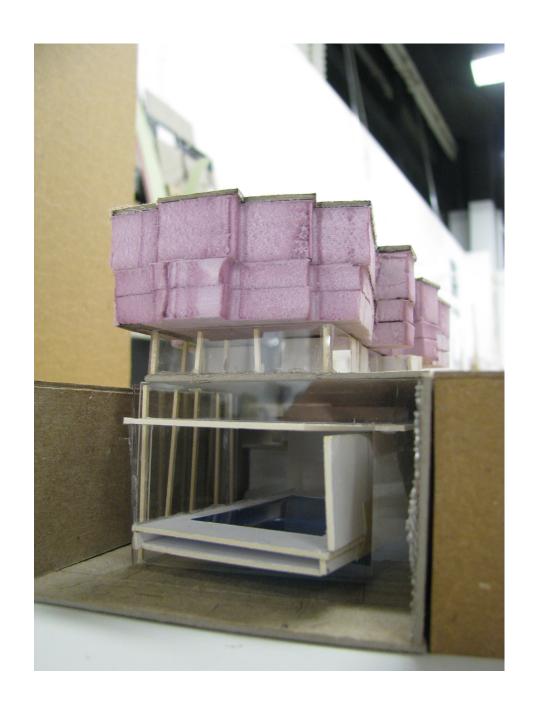


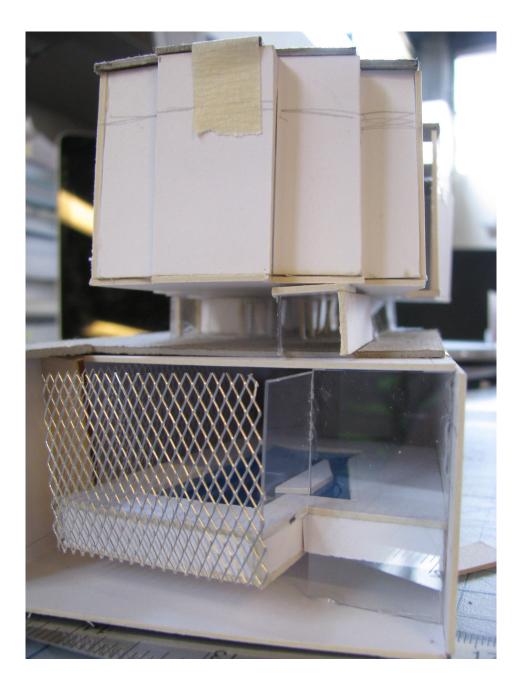








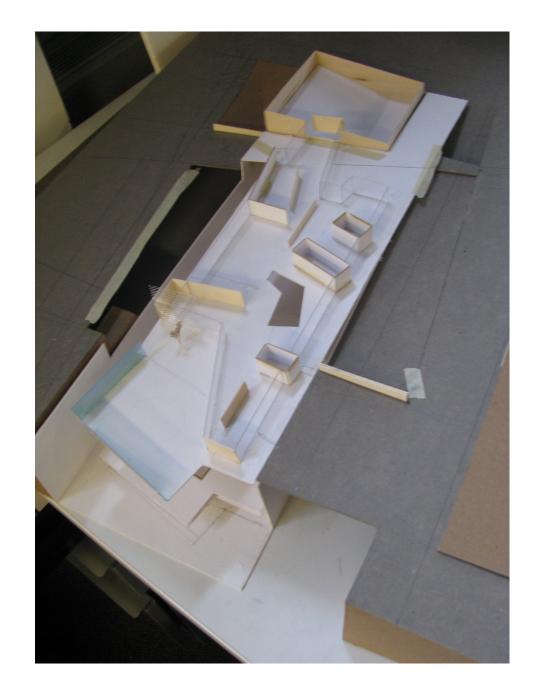














Captured Moments
A Concept for a K-12 Urban School



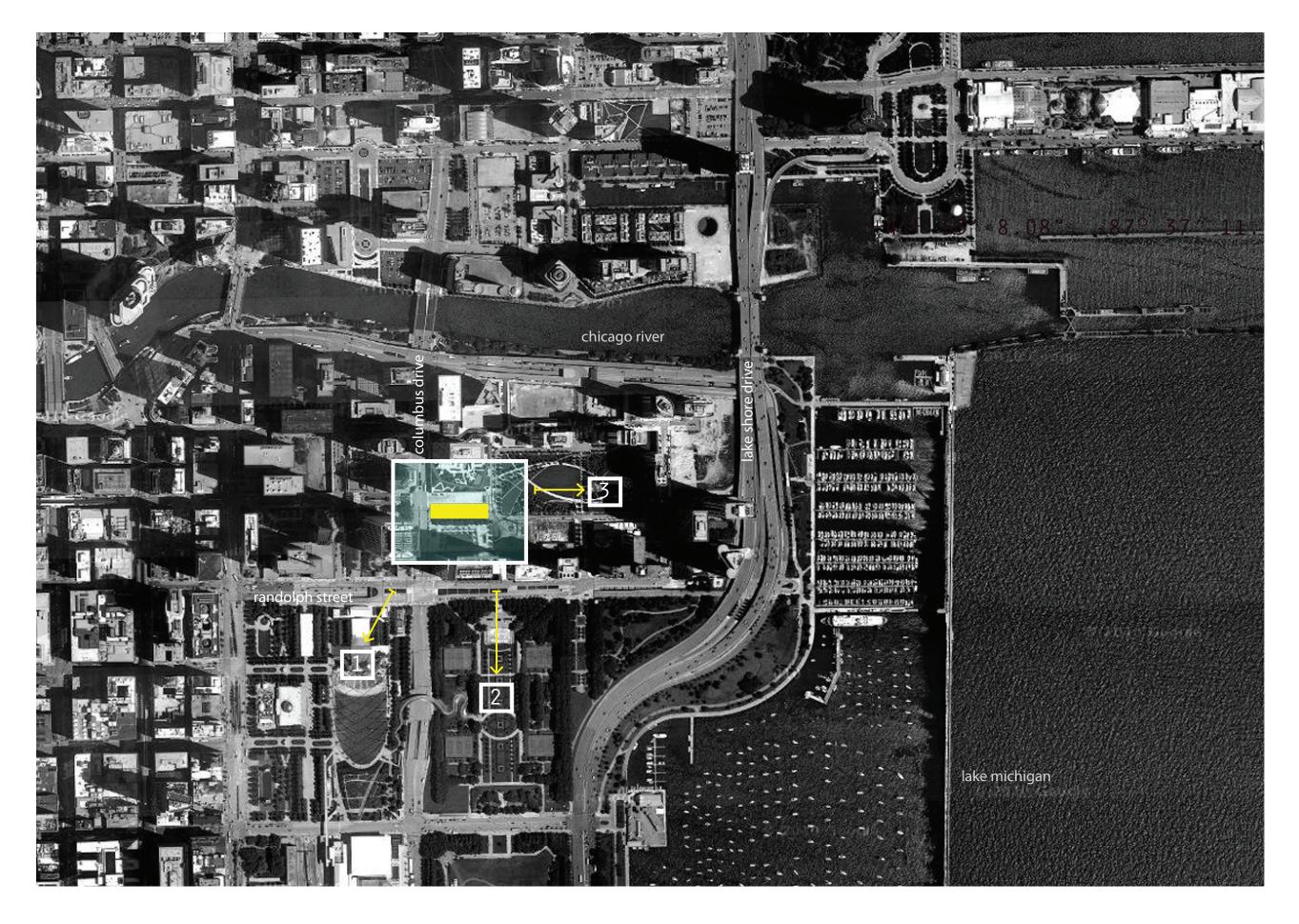


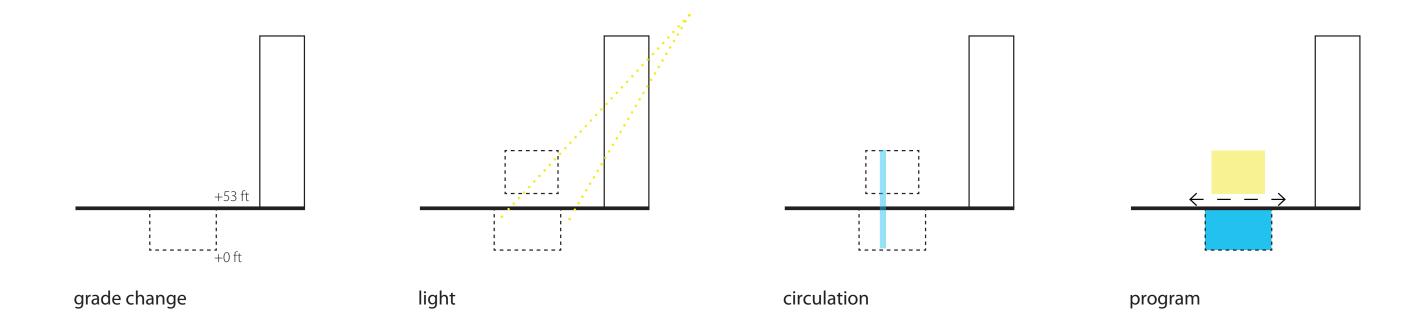


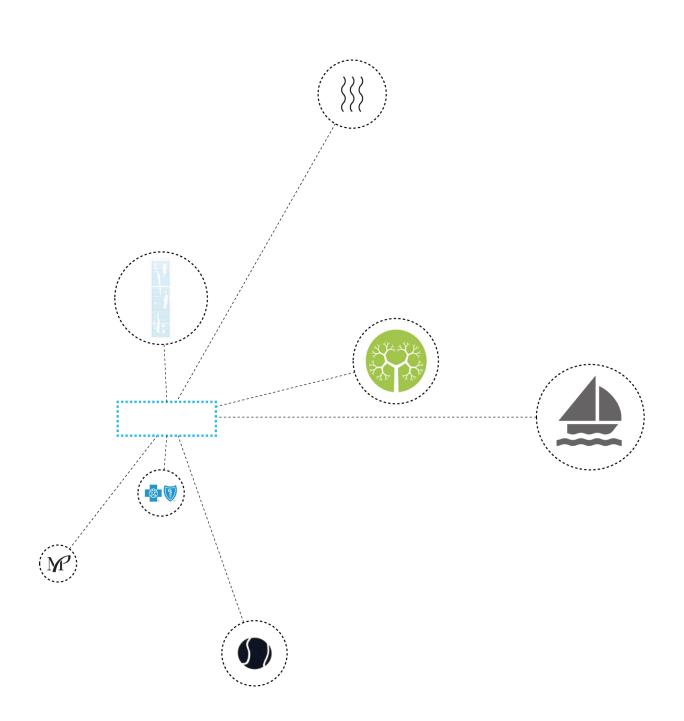
screen captures from jacques tati's mon oncle.

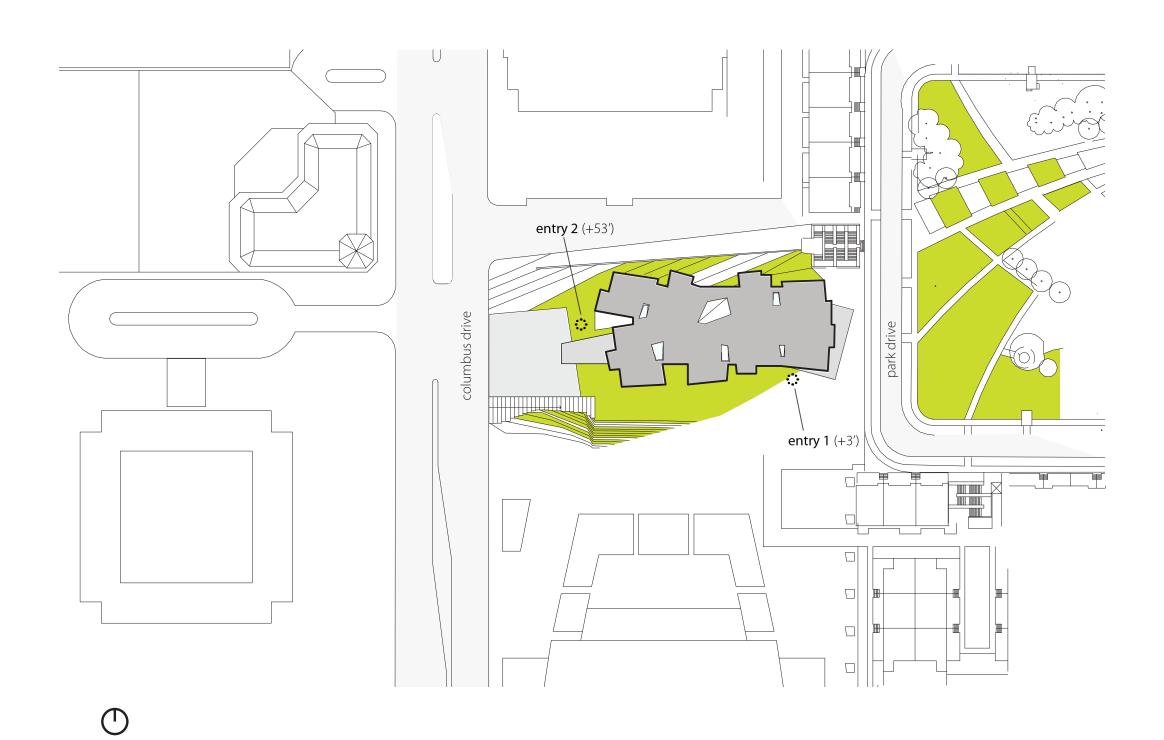
Uncle Hulot lives in a small old corner of Paris. His world is full of color, light, and frivolity.

The series to the right captures a moment in which Hulot reflects light to bird cage, the light hits the bird and the bird begins to sing.





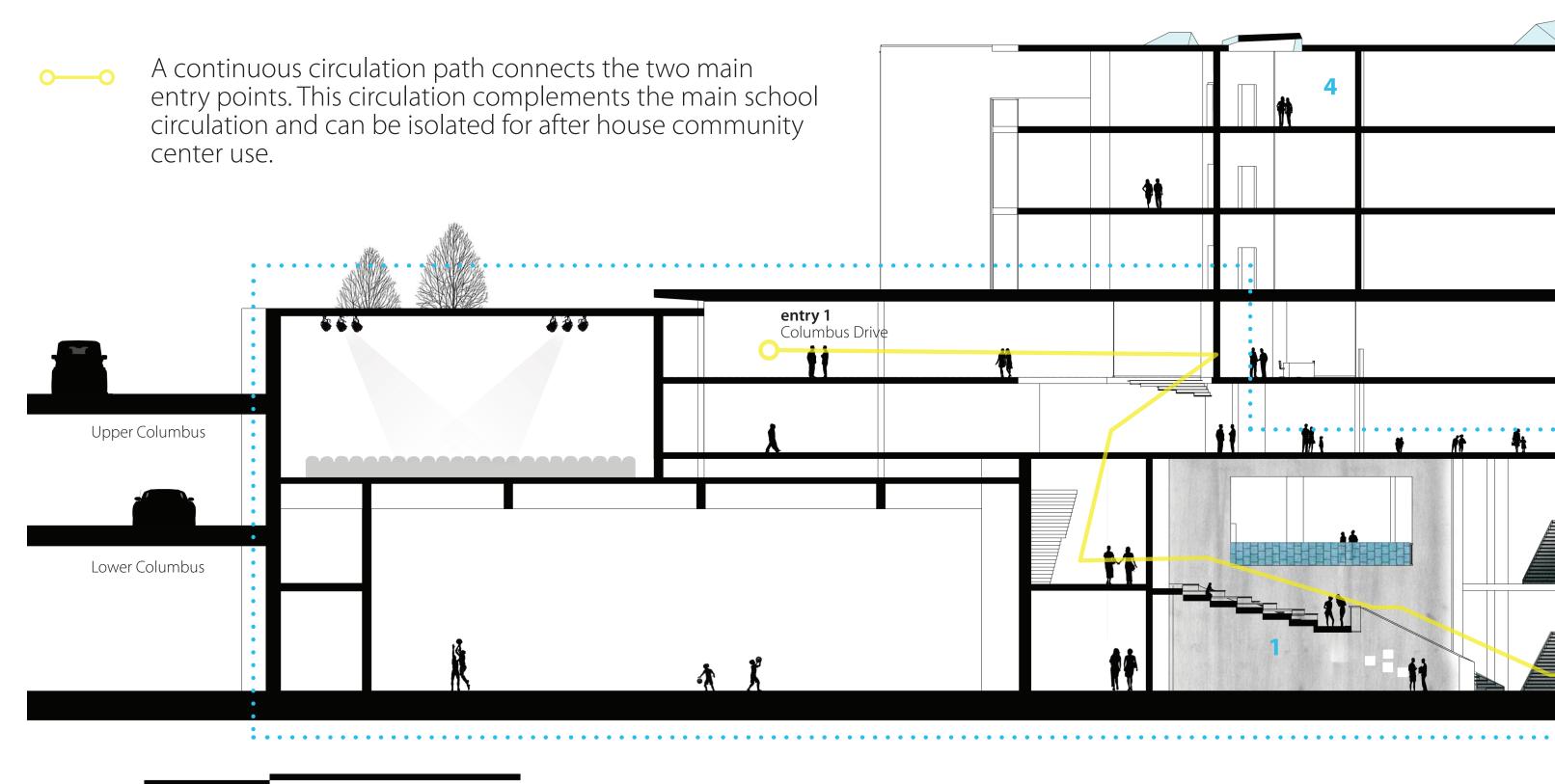


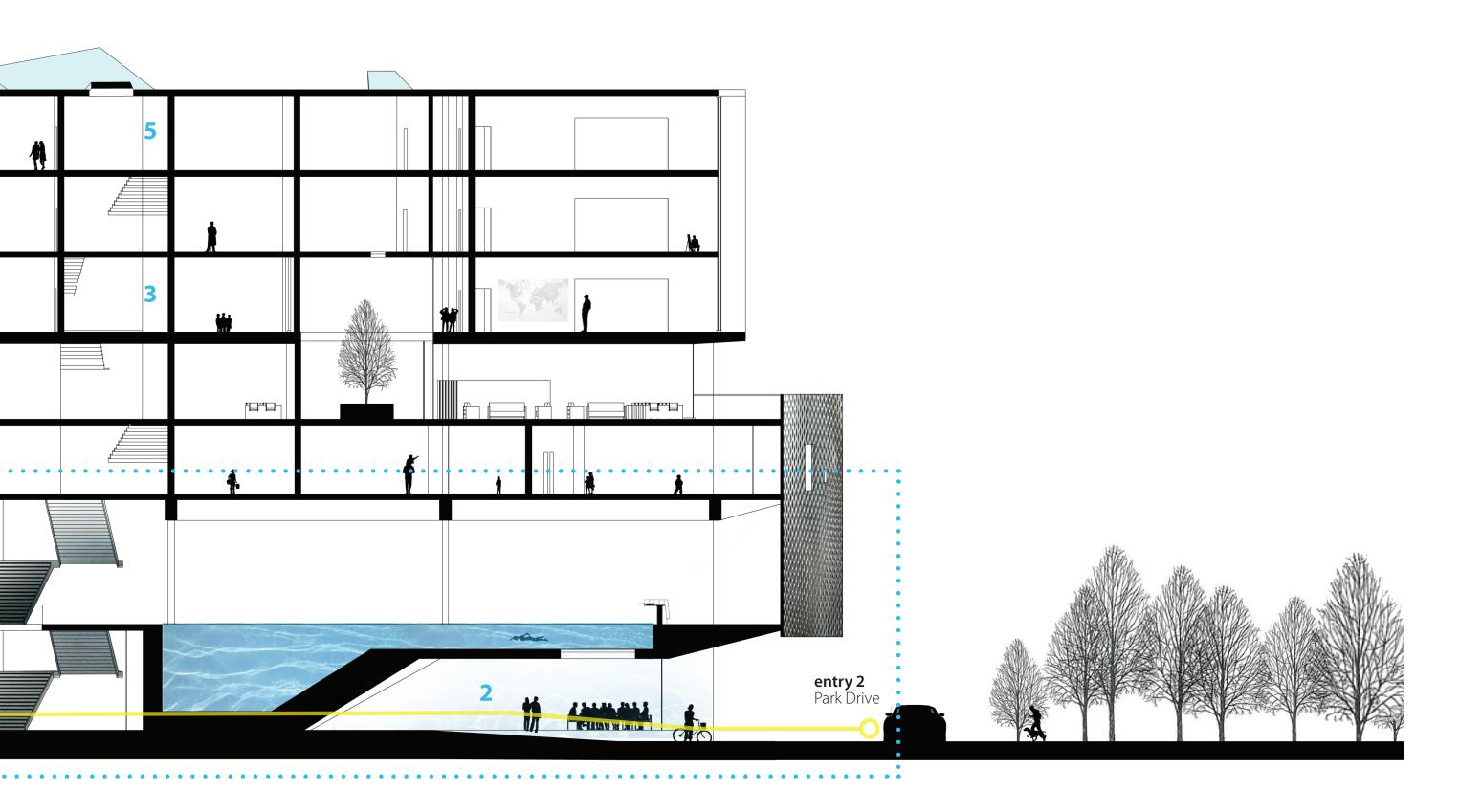


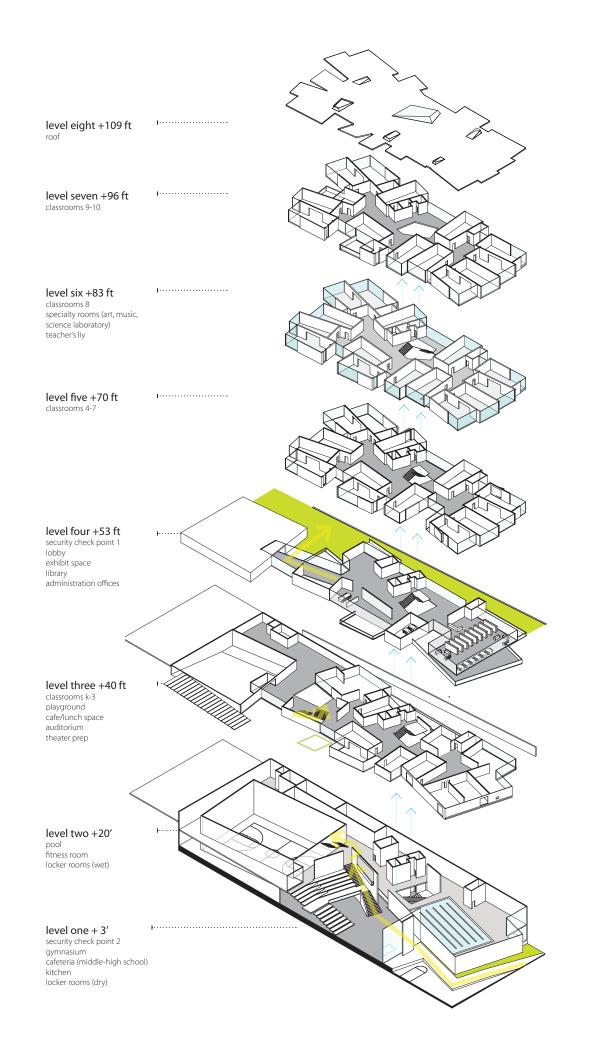
The lower portion of the school acts as community center that includes a swimming pool, gymnasium, and auditorium.

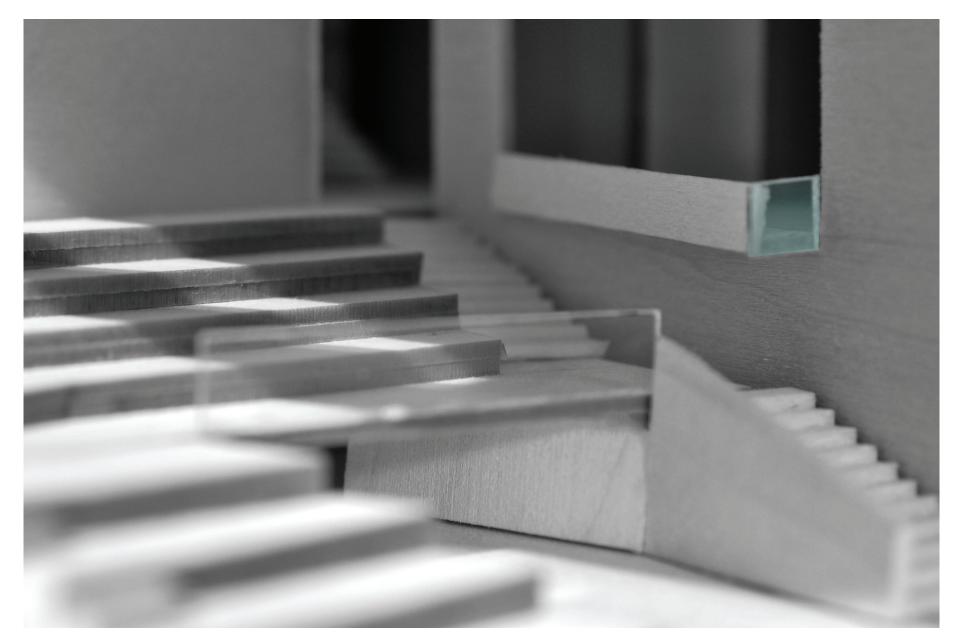
20'

60'



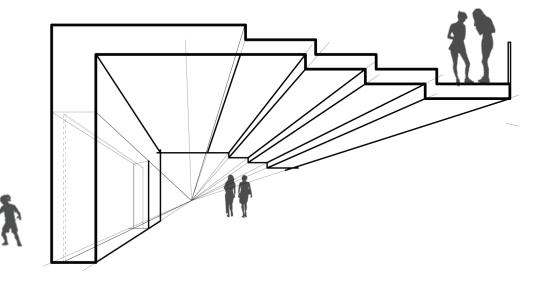


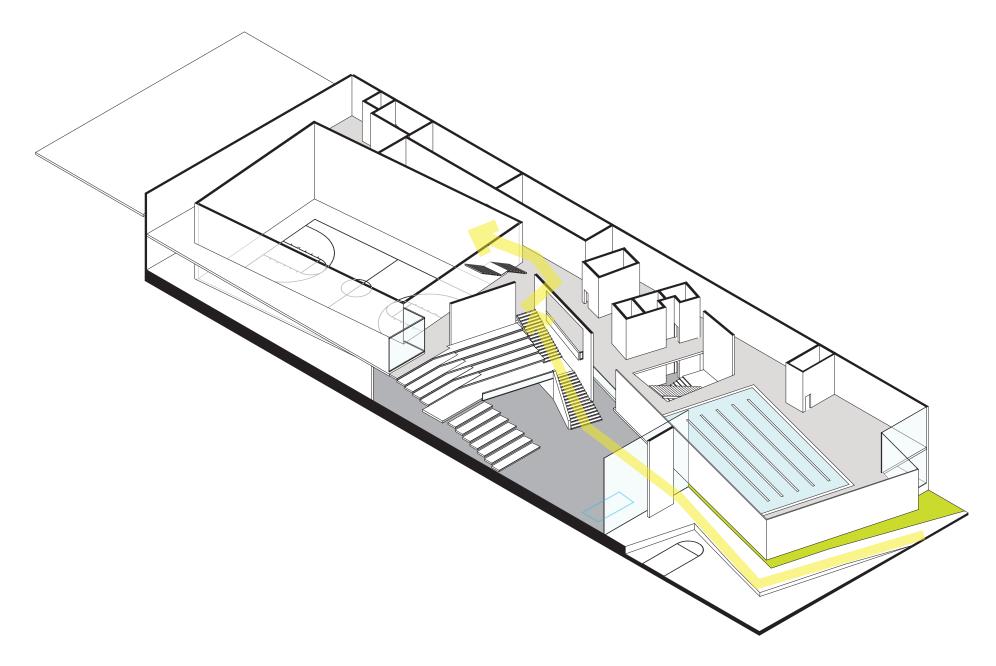




1 illuminate. central gathering stair ascends

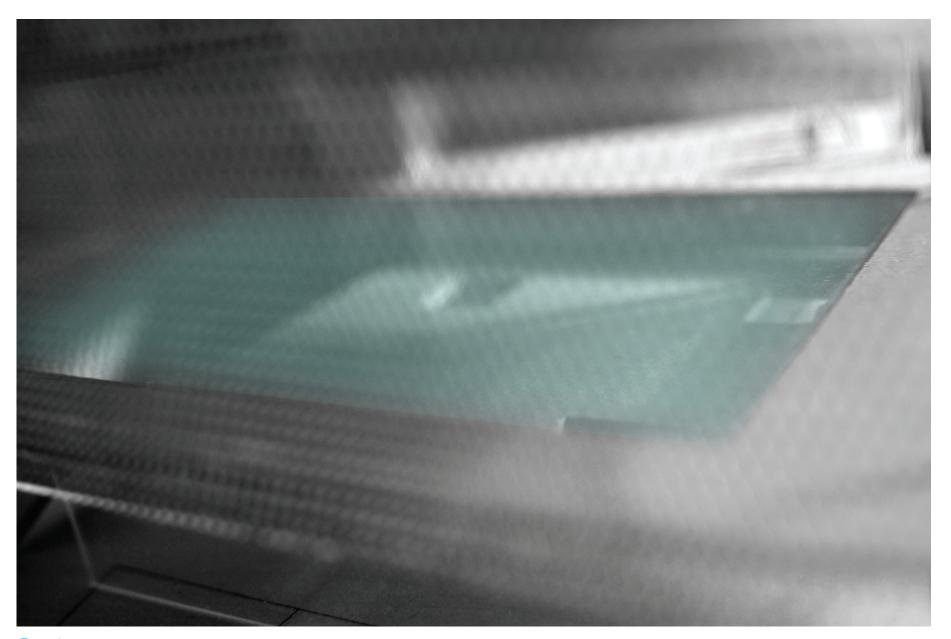
The central stair ascends and begins the sequence of vertical circulation. Light permeates the ground plane at the playground above and illuminates the stair. The lower portion of the stair frames views of the gymnasium beyond and creates a space for gathering.





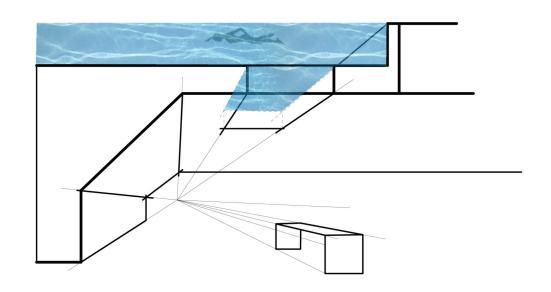
level two +20'

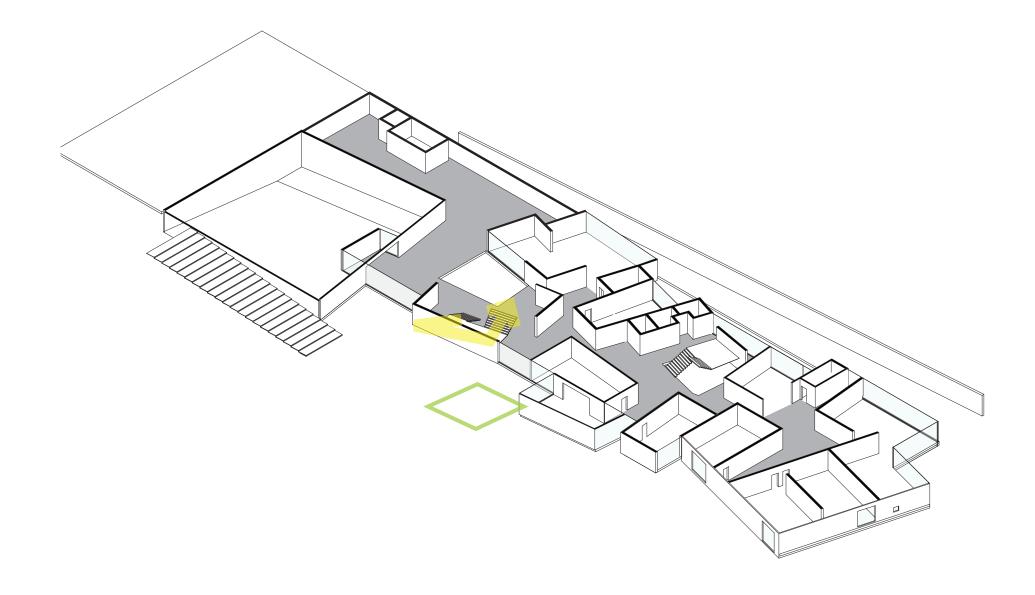
pool fitness room locker rooms (wet)



2 filter. elevated pool with transparent cut outs

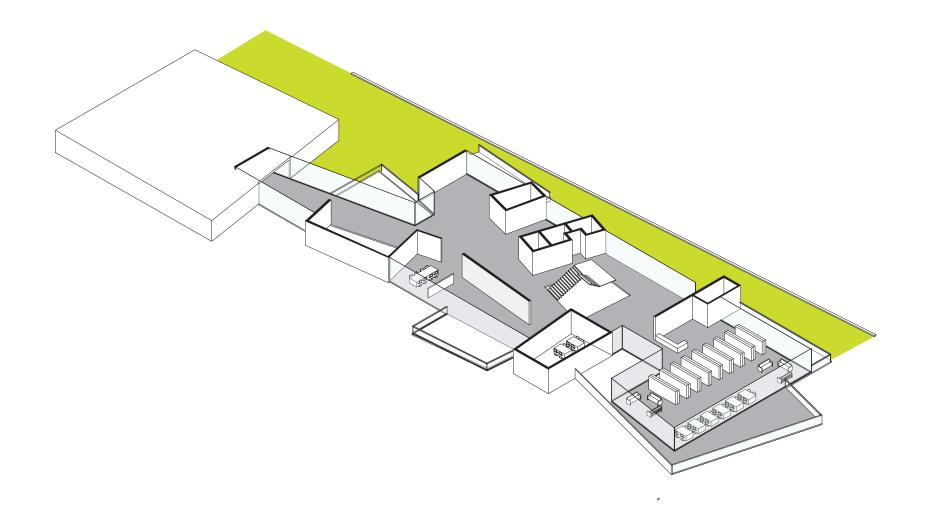
The pool volume energetically extends to the park. Plentiful light filters into the pool from both the East facade and central skylight. The pool is elevated above the cafeteria, transparent and translucent cut outs in the underside of the pool reflect the water qualities and create a constantly dynamic light quality.





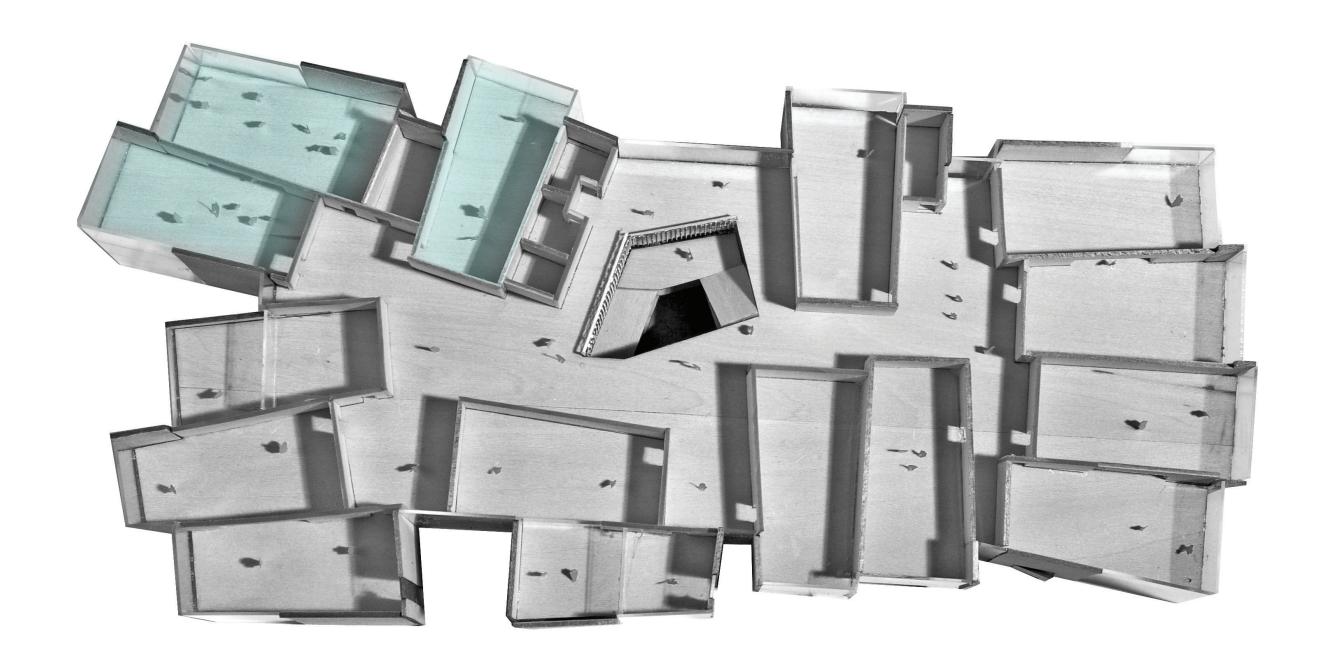
level three +40 ft

classrooms k-3 playground cafe/lunch space auditorium theater prep

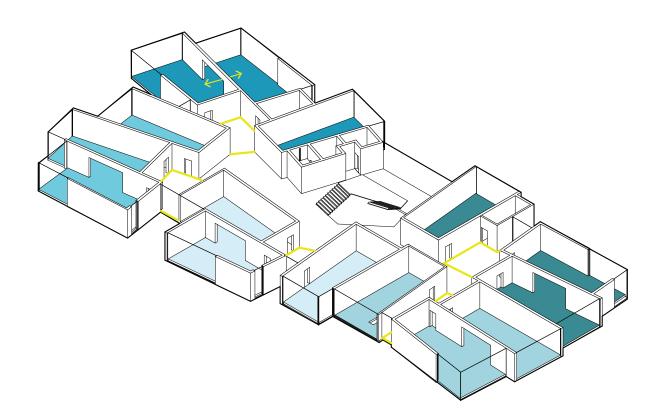


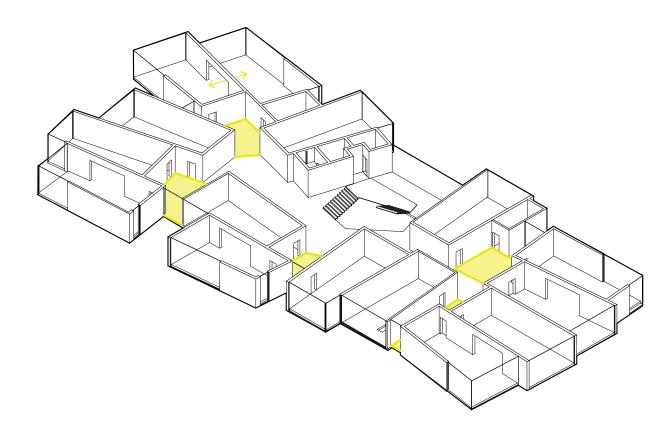
level four +53 ft

security check point 1 lobby exhibit space library administration offices

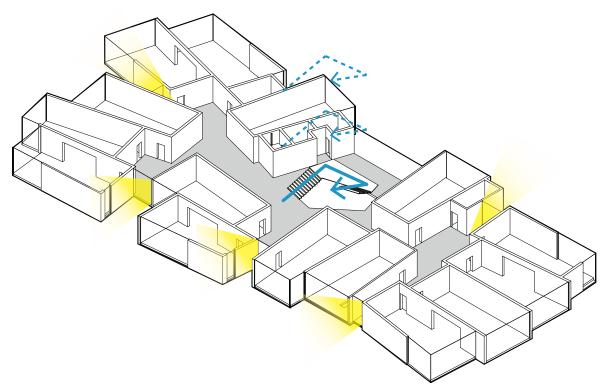


plan organization. grades are organized into clusters of three classrooms





Grouping.Classrooms are organized by in clusters of three, two classrooms have the potential to connect and form a larger collaborative space for students to interact.

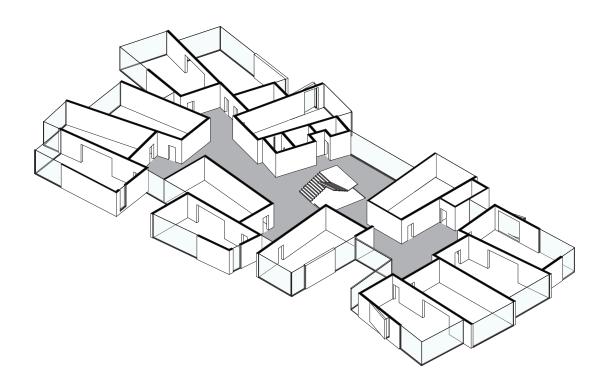


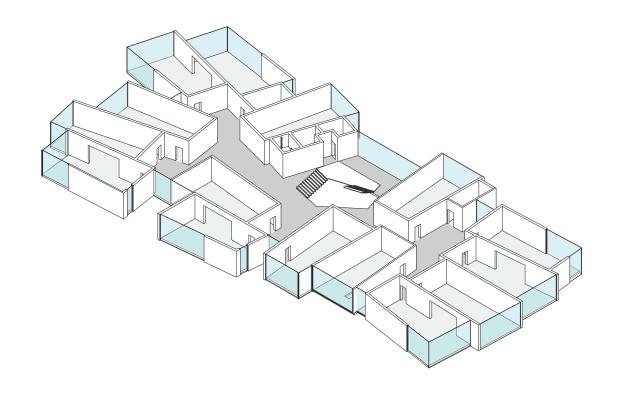
Exploration.

Circulation is driven by the concepts of refuge and prospect. Main circulation is slghtly contracted while the expansion of the break out space along with light draws the student through the space.

Break out.

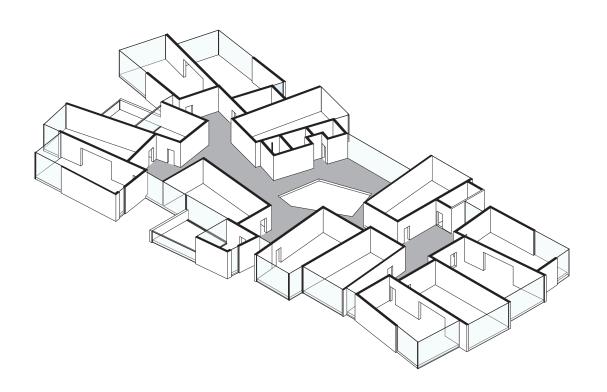
Each classrooms cluster has a corresponding break out space which acts as a more informal learning space. Each break out space encourages interaction among students.





level six +83 ft classrooms 8

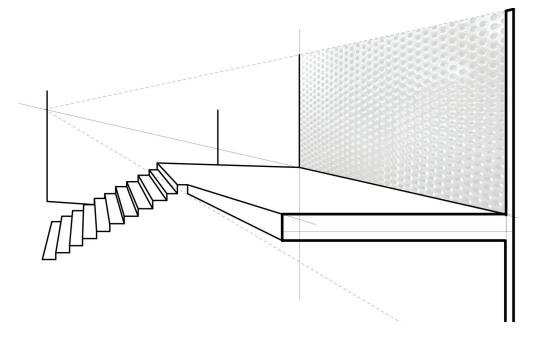
classrooms 8 specialty rooms (art, music, science laboratory) teacher's lounge

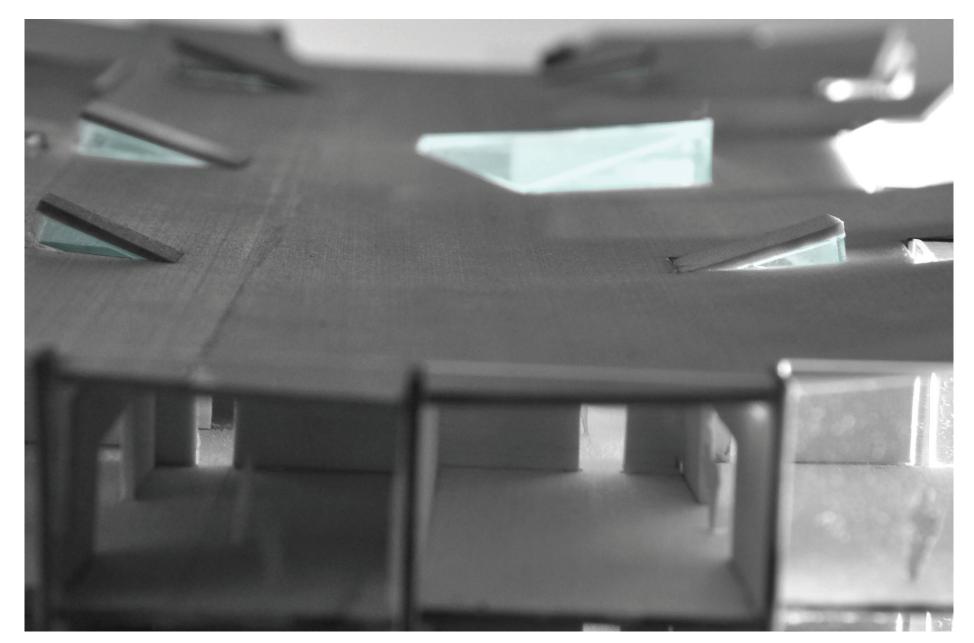




3 layer. connective vertical circulation stair

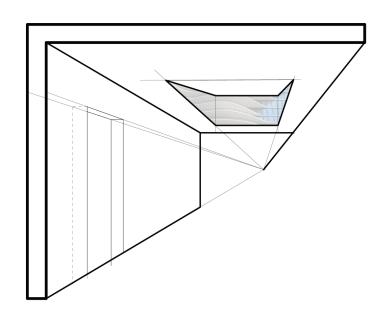
Material variation in transparency, translucency, and screening vary the light quality along the stair and create unique spaces for interaction both on and around it.





5 animate. skylights and roof looking into high school classrooms

Light playfully animates upper level breakout spaces as it enters and reflects off the colored surface below. The skylights look out to the city, students watch the elevators of the neighboring Blue Cross and Blue Shield or the shadows along Aqua Tower.





Captured Moments A Concept for a K-12 Urban School



The inspiration to develop a vertical urban school originates from rising urban density and the lack of interconnection and identity in some urban environments.

The urban condition is a construct of rhythm, memory, and the sensory. This condition is illuminated through the dense activity and interaction of city life. Similarly, schools mirror these lively environments. This scheme embraces the layers of activity and vibrancies inherent in the operation of schools and cities.

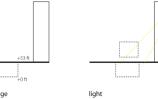
The recently developed Lakeshore East Community lacks the infrastructure to foster a healthy and energetic neighborhood. Although it is in close proximity to the Chicago Loop this residential community maintains an atmosphere of isolation. This school will link the physical community to the surrounding vitality of the city, establish the school as an integral community element, and catalyze the development of further neighborhood infrastructure.



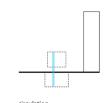


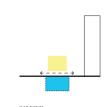






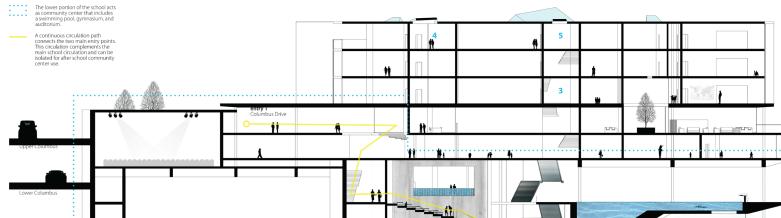
the space between



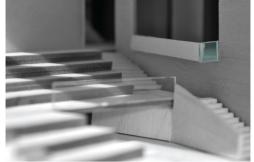


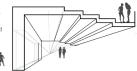
site synergy. It is typical for urban schools to form synergetic relationships with their context. Schools often utilize city parks and other resources, thezy will also often rent their facilities for weekend activities.

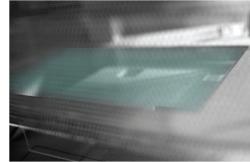


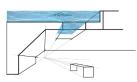




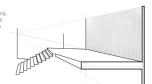






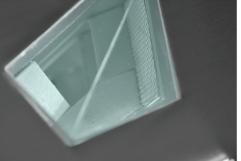




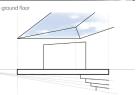


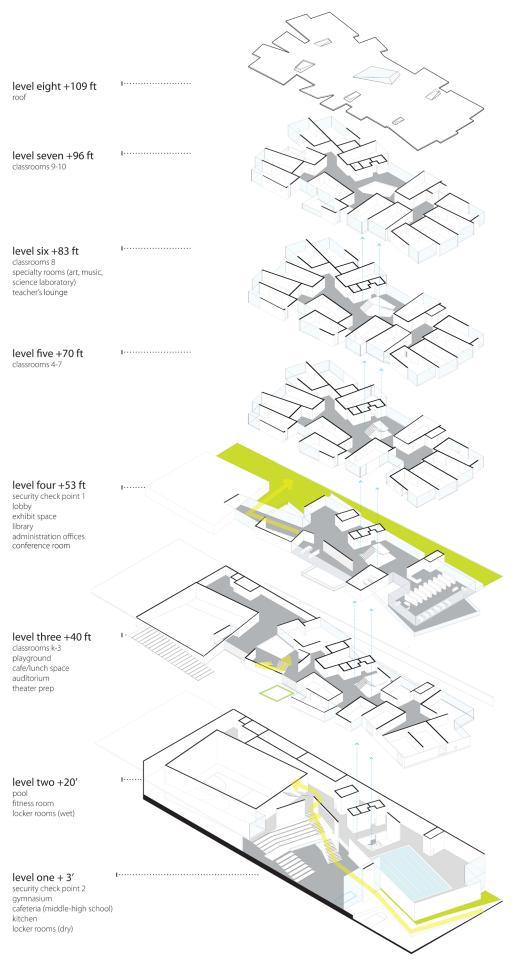


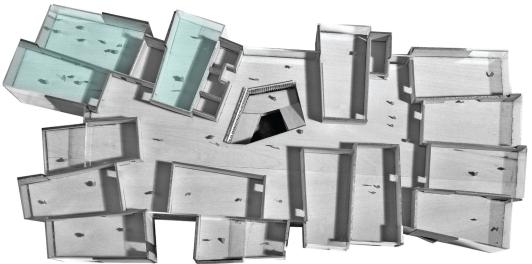


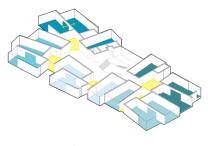


5 capture. central skylight filters light to the ground floo









Grouping.Classrooms are organized by in clusters of three, two classrooms have the potential to connect and form a larger collaborative space for students to interact.

Break out.
Each classrooms cluster has a corresponding break out space which acts as a more informal learning space. Each break out space encourages interaction among students.

Exploration.
Circulation is driven by the concepts of refuge and prospect. Main circulation is slightly contracted while the expansion of the break out space along with light draws the student through the space.











BAHAMON, ALEJANDRO. TREE HOUSES: LIVING A DREAM. NEW YORK: HARPER DESIGN, 2005. THE BOOK FEATURES VARIOUS PROJECTS AND CALLS OUT CASE STUDIES OF PLAYROOMS, WEEKEND RETREATS, HOME OFFICES, DINING ROOMS, ETC. THIS SOURCE WILL BE USED TO UNDERSTAND A LEVEL OF CREATIVITY THROUGH THE STUDY OF THESE "DREAMLIKE CONSTRUCTIONS".

ELKIND, DAVID. THE CHILD AND SOCIETY: ESSAYS IN APPLIED CHILD DEVELOPMENT. NEW YORK: OXFORD UP, 1979.

THE BOOK EXPLORES IDEAS OF THE CHILD'S PRESENCE IN SOCIETY ON VARIOUS LEVELS. THE SOURCE MEASURES LEVELS OF A CHILD'S INTERACTION WITH THE URBAN CONTEXT MENTALLY, PHYSICALLY, AND PSYCHOLOGICALLY.

HILLMAN, MAYER, JOHN ADAMS, AND J. WHITELEGG. ONE FALSE MOVE ...: A STUDY OF CHILDREN'S INDEPENDENT MOBILITY. LONDON: PSI, 1990.

THE BOOK ANALYZES A CHILD'S PLACE IN THE URBAN CONTEXT AND ADDRESSES ISSUES THAT ARISE FROM A CHILD'S FREEDOM TO ROAM. THE STUDY EXPLORES TRAVEL PATTERNS IN RELATIONSHIP TO PERSONAL AUTONOMY OF CHILDREN 7-15. THE SOURCE WILL BE USED TO UNDERSTAND HOW CHILDREN USE SPACES NATURALLY AND HOW TO ADDRESS PROBLEMS ASSOCIATED WITH TRAVEL RISKS.

MALNAR, JOY MONICE., AND FRANK VODVARKA. SENSORY DESIGN. MINNEAPOLIS: UNIVERSITY OF MINNESOTA, 2004.

THE BOOK STUDIES THE IMPLEMENTATION OF TECHNIQUES USED IN SENSORY DESIGN, THROUGH THE EXPLORATION OF ITS THEORY AND SIGNIFICANCE. THE SOURCE WILL BE USED TO CALL INTO QUESTION THE APPROACH TO THE INTERIOR AND EXTERIOR CONDITION OF A USER IN A SCHOOL.

SCHITTICH, CHRISTIAN. INTERIOR SURFACES AND MATERIALS: AESTHETICS, TECHNOLOGY, IMPLEMENTATION. BASEL: BIRKHAUSER, 2008.

THE BOOK EXPLORES MATERIAL PROPERTIES OF SURFACES FROM A VISUAL AND HAPTIC PERSPECTIVE. THE SOURCE WILL BE USED TO BEGIN TO UNDERSTAND TECHNIQUES THAT CAN BE USED TO IMPLEMENT SENSORY DESIGN IDEAS.

ARCHITECTURE FOR EDUCATION: NEW SCHOOL DESIGNS FROM THE CHICAGO COMPETITION. CHICAGO, IL: BUSINESS AND PROFESSIONAL PEOPLE FOR THE PUBLIC INTEREST, 2002.

CRAWFORD, PATRICIA JOAN, AND A. E. VIRGIN. THE EFFECTS OF HIGH RISE LIVING ON SCHOOL BEHAVIOUR. [NORTH YORK, ONT.]: BOARD OF EDUCATION FOR THE BOROUGH OF NORTH YORK, DEPT. OF EDUCATIONAL RESEARCH SERVICES, 1971.

Freeman, Claire, and Paul J. Tranter. Children and Their Urban Environment: Changing Worlds. London: Earthscan, 2011.

GERDTS, NADINE. INSIDEOUT STUDIO: CITY SCHOOLYARDS: CHILDREN AND THE URBAN ENVIRONMENT. PROVIDENCE: RHODE ISLAND SCHOOL OF DESIGN, DEPT. OF LANDSCAPE ARCHITECTURE, 2006.

HAMILTON, D. KIRK., AND DAVID H. WATKINS. EVIDENCE-BASED DESIGN FOR MULTIPLE BUILDING TYPES. HOBOKEN, NJ: JOHN WILEY & SONS, 2009.

KLONSKY, MICHAEL, AND SUSAN KLONSKY. SMALL SCHOOLS: PUBLIC SCHOOL REFORM MEETS THE OWNERSHIP SOCIETY. NEW YORK: ROUTLEDGE, 2008.

LIPPMAN, PETER C. EVIDENCE-BASED DESIGN OF ELEMENTARY AND SECONDARY SCHOOLS. HOBOKEN, NJ: J. WILEY, 2010.

MACKENZIE, G. ROBIN. THE RELATIONSHIP BETWEEN HIGH DENSITY LIVING AND FITNESS PERFORMANCE OF ELEMENTARY SCHOOL AGE CHILDREN. 1976.

MONTESSORI, MARIA. THE ABSORBENT MIND. NEW YORK: HOLT, RINEHART AND WINSTON, 1967.

NEW SCHOOLS FOR NEW YORK: PLANS AND PRECEDENTS FOR SMALL SCHOOLS. NEW YORK, NY: ARCHITECTUR-AL LEAGUE OF NEW YORK, 1992.

OSMON, FRED LINN. PATTERNS FOR DESIGNING CHILDREN'S CENTERS; A REPORT FROM EDUCATIONAL FACILITIES LABORATORIES. NEW YORK: EDUCATIONAL FACILITIES LABORATORIES, 1971.

PELO, ANN. RETHINKING EARLY CHILDHOOD EDUCATION. MILWAUKEE, WISC.: RETHINKING SCHOOLS, 2008.

TRUMP, J. LLOYD. A SCHOOL FOR EVERYONE: DESIGN FOR A MIDDLE, JUNIOR, OR SENIOR HIGH SCHOOL THAT COMBINES THE OLD AND THE NEW. RESTON, VA: NATIONAL ASSOCIATION OF SECONDARY SCHOOL PRINCIPALS, 1977.

