

ential arts centre] situated on 2 oppositional sites [realistic urban



mbination of generating forces towards architectural form.

[2010]

architecture design
studio

educatorii

prof. jan schabert
keimyung university
대한민국
republic of korea

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lim wei siang freddie [kmu]

steve skorski [kmu]

martina günther [hsm]

elys john [uog]

luke gillard [uog]

rebecca groves [uog]

alex latham [uog]

ola rajska [uog]

guest lecture

lim, chul hoon [erco]

students

이소희

남연정

박수경

여화진

이은지

김민선

김은혜

구여진

이의동

이정진

정산해

정강연

박지윤

윤수진

손세정

김미성

류승수

이지수

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3rd year undergraduate architecture design studio

»school« being the scheduled subject for this single-semester architecture design studio (from september until december 2010), explored a range of institutions of learning:

_art gallery: a short (but real) project, a two-week design workshop for the alteration and extension of seoul boan-inn art-gallery [not covered in this report]

_an elementary school

_a residential arts centre

two contrasting sites were chosen for the two institutes of education, the tight urban plot (occupied by a middle school to shut down in 2013), and the vast riverside (both banks incl. the river.)

brief

content & context

2 different institutions of education [elementary school & residential arts centre] situated on 2 oppositional sites [realistic urban & romantic riverside] – a research into the influence of a combination of generating forces towards architectural form.

facts

elementary school

gross floor area [gfa]	9.000 m ²
class rooms (ca. 60 m ² each)	27
parking	46

residential arts centre

gross floor area [gfa]	9.000 m ²
studios (ca. 60 m ² each)	27
parking	46



realistic site	12.500 m ²
romantic site	25.000 m ²

organisation

students were working in teams of two.

each team had to do two projects (assigned by raffle),

either the combination of

_realistic site/school and romantic site/arts centre or

_realistic site/arts centre and romantic site/school.



case studies

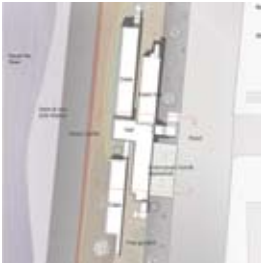
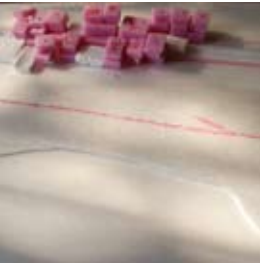
eerste openluchtschool amsterdam/nl, johannes duiker
salk institute la jolla/usa, louis kahn **kindergarten/school**
treliassac/f, jean nouvel **fuji-kindergarten** nn/j, tezuka
christianeum hamburg/d, arne jacobson **school** hunstan-
ton/gb, a&p smithson **ecole d'architecture** nantes/f, lacaton
vassal **ecole d'architecture** lyon/f, jourda perraudin **enad**
limoges/f, geipel michelin **zollverein** essen/d, sanaa **cite**
du design saint etienne/f, lin **elementary school drew**
marl/d, hans scharoun **taliesin west** scottsdale/usa, frank
lloyd wright **engineering bldg.** leicester/uk, james stirling
arthur & yvonne boyd art centre riversdale/aus, glenn mur-
cutt **world classrooms** nn/gb, future systems **asilo sant'elia**
como/i, giuseppe terragni **bauhaus** dessau/d, walter gro-
pius

the banks of
금호강
geumho-river
daegu-si, korea
035°50'55" N
123°28'16" E

romantic site



elementary school
residential arts centre



이소희
남연정

»fun«
elementary school
»decalcomanie«
arts centre

page 06

박수경
여화진

»delete boundary«
elementary school
»step by step«
arts centre

page 10

이은지
김민선

»school add feeling«
elementary school
»equalizer«
arts centre

page 14

김은혜
구여진

»stepping stone«
elementary school
»flow through«
arts centre

page 18

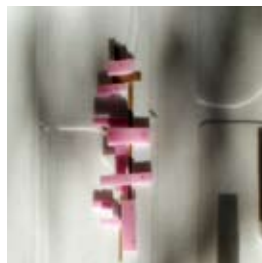
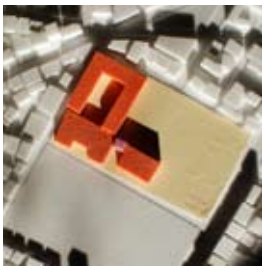
realistic site





감삼중학교
gamsam middle school
daegu-si, korea
035° 50' 56" N
128° 32' 44" E

realistic site



이의동
이정진

»safe and cosy«
elementary school

arts centre

page 22

정산해
정강연

»the influx of urban
fabric in the school«
elementary school

arts centre
page 26

박지윤
윤수진

»in school – out of
school«
elementary school
»art a wharf«
arts centre
page 30

손세정
김미성

»moving school«
elementary school

arts centre
page 34

류승수
이지수

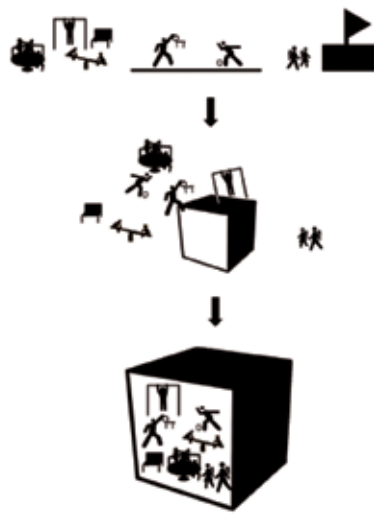
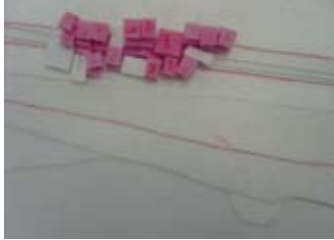
»close to«
elementary school

arts centre
page 38



romantic site





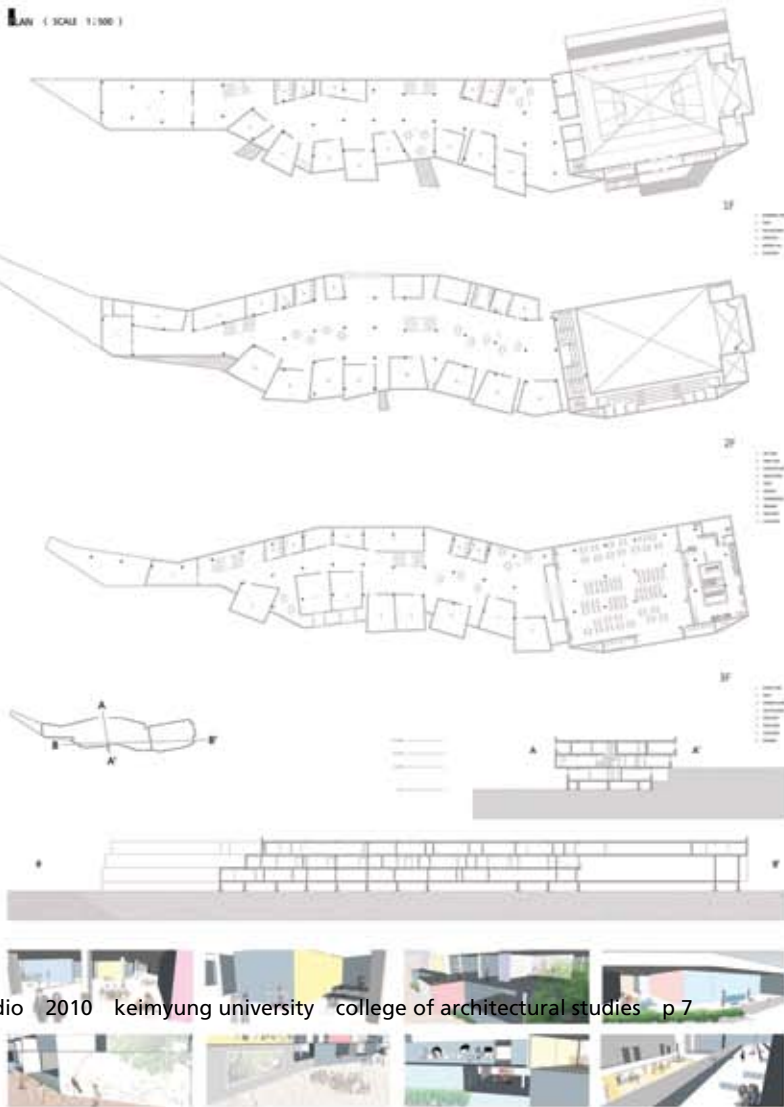
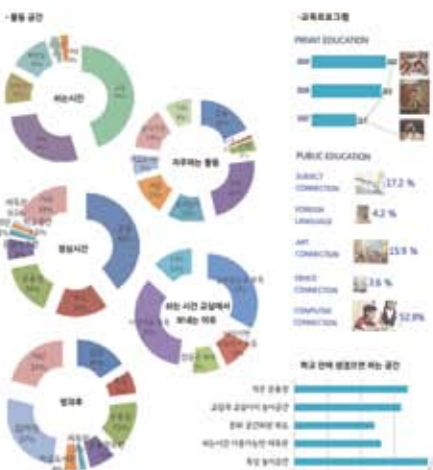
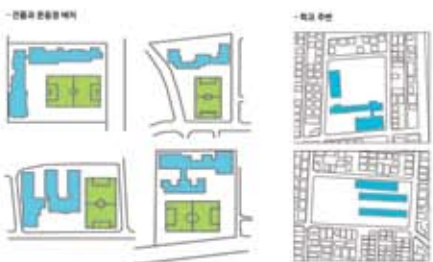
the 5 most important things in **Architecture** 1. foundation 2.
useful 3. design 4. feeling 5. creativity **Education** 1. communica-
tion 2. interest 3. funny 4. moto 5. basic [이소희] **Architecture**
imagination, human, environmental , wide – knowledge , safety
Education communication, passion, curiosity, consideration,
respect [남연정; September 2010]

elementary school
romantic site
fun

이소희 + 남연정



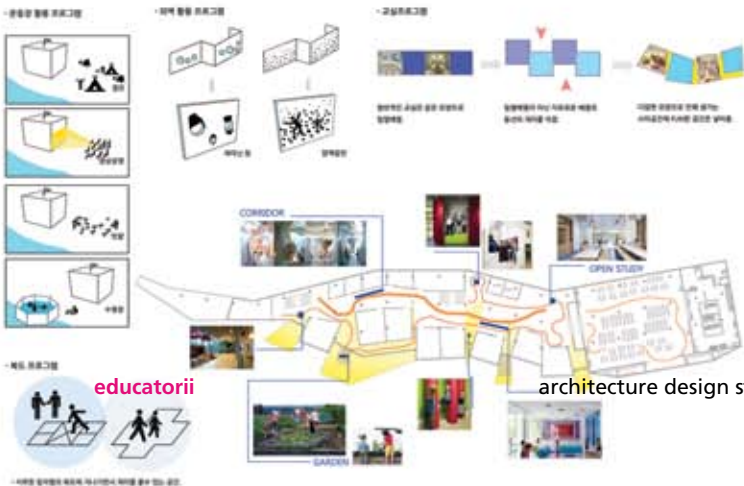
PROPOSAL



ACCEPT



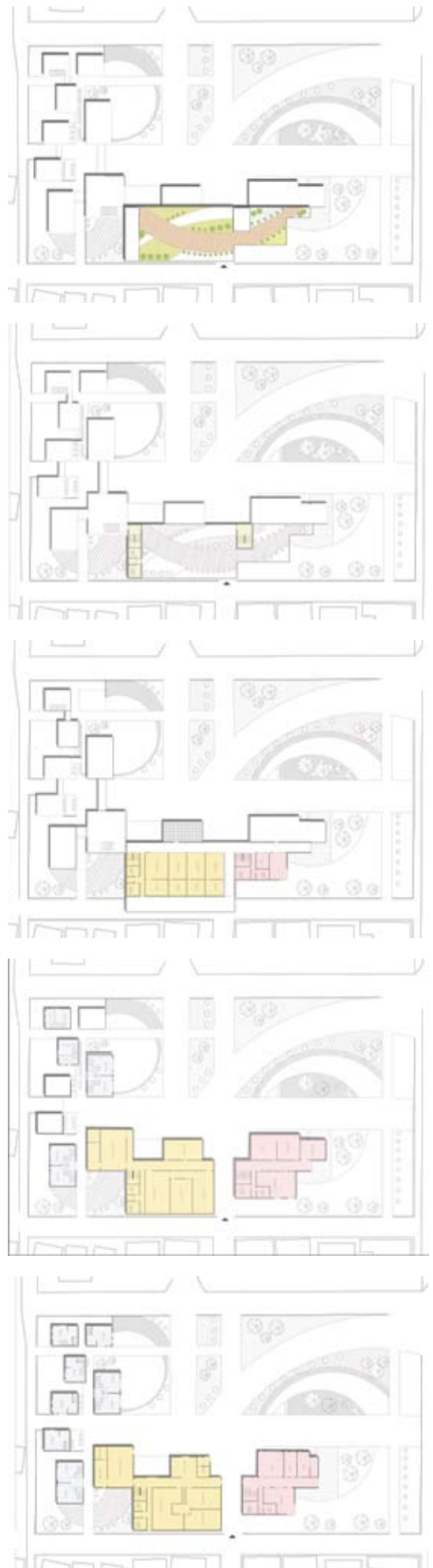
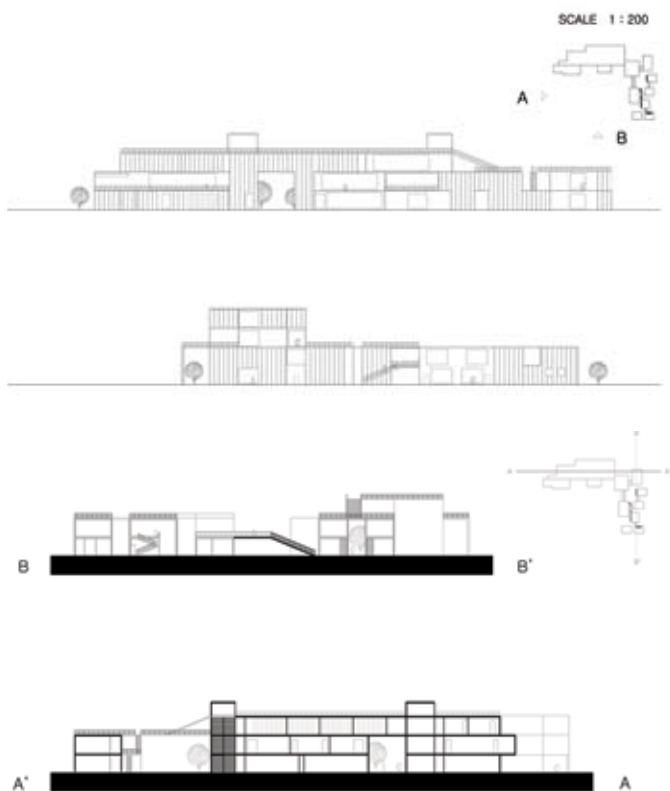
PROGRAM





residential arts centre
realistic site
decalcomanie

이소희 + 남연정



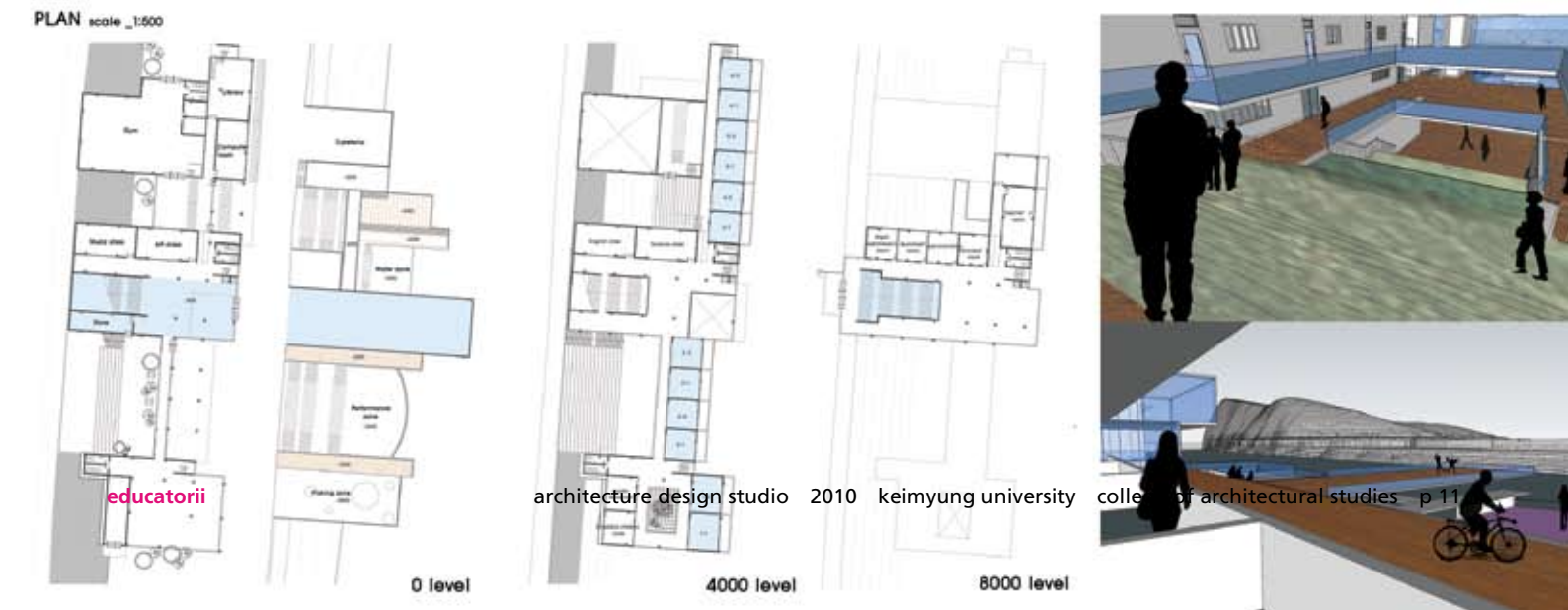
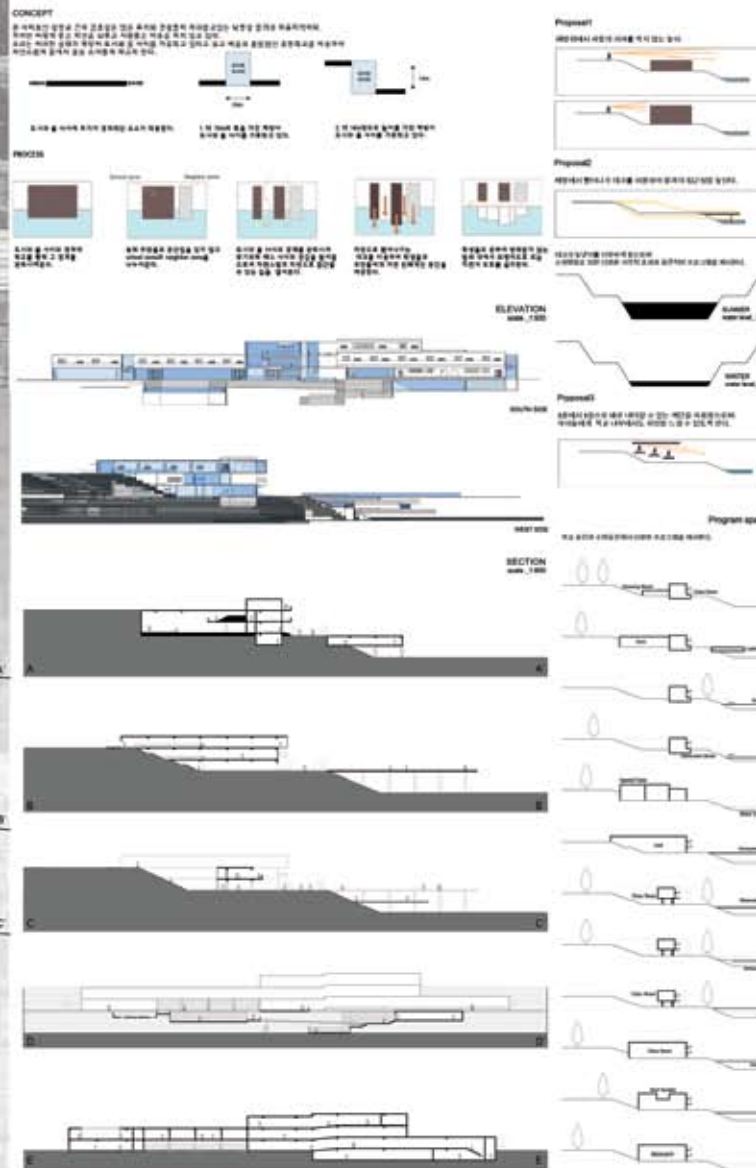
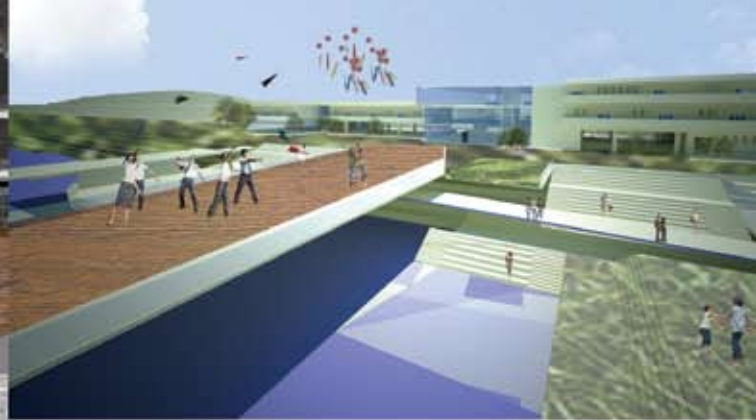


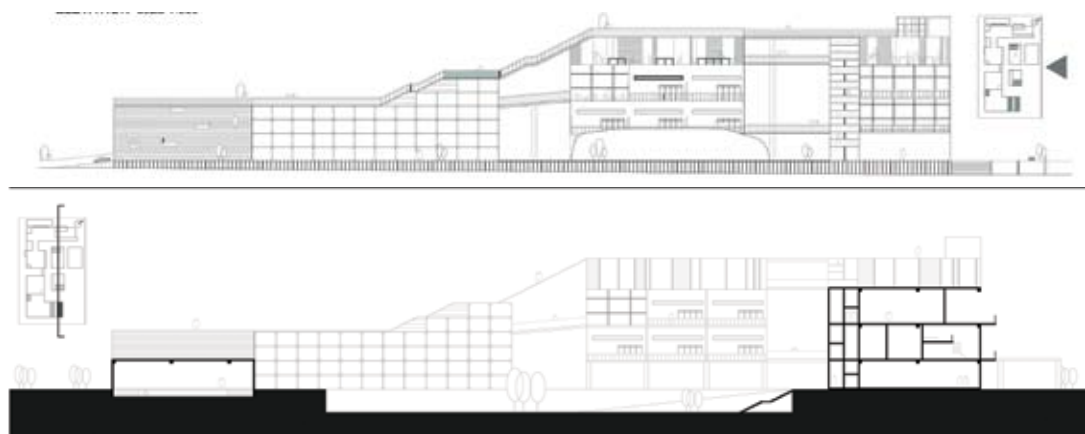
the 5 most important things in **Architecture** a lot of different information is needed. so i have to read a lot of books. then i think many idea. architecture is so difficult. but i try to enjoy architecture. **Education** fun, communication with students and teacher, environment, fairness, passionate teaching If there are five things that the lecture will be boring, then student will sleep. i want that every lecture is funny [여화진; September 2010]

elementary school
romantic site
delete boundary

박수경 + 여화진







residential arts centre
realistic site
step by step

박수경 + 여화진



STEP BY STEP

Make the landmark space by pick up the ground to step by step

MASTER PLAN

SCALE 1:500

SITE



KAMSAM middle school_realistic site
대구광역시 달서구 달산로211길삼동 195-4번지



GREEN SPACE



CULTURE



SCHOOL



TRAFFIC

CONCEPT



No high level building



Make high level building

Artist is most think about "step by step"
then, as soon as prior to go to up height



Reconstruction the school space,
then, use step floor.

PROCESS



Divide the ground by urban grid

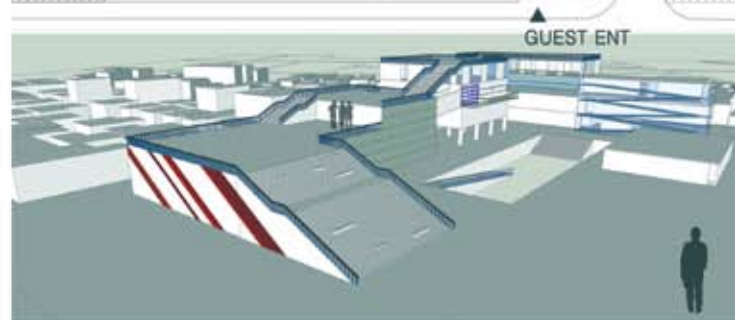
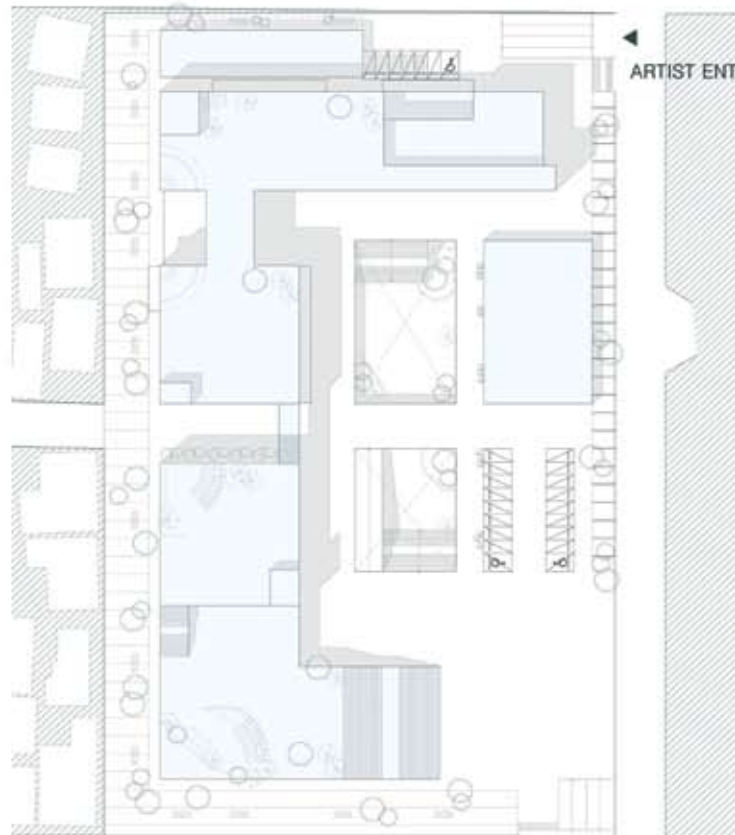


working for Artist & visitors



circulation for artist & visitors

MASS STUDY

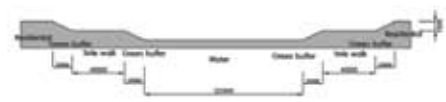




elementary school
romantic site
school add feeling

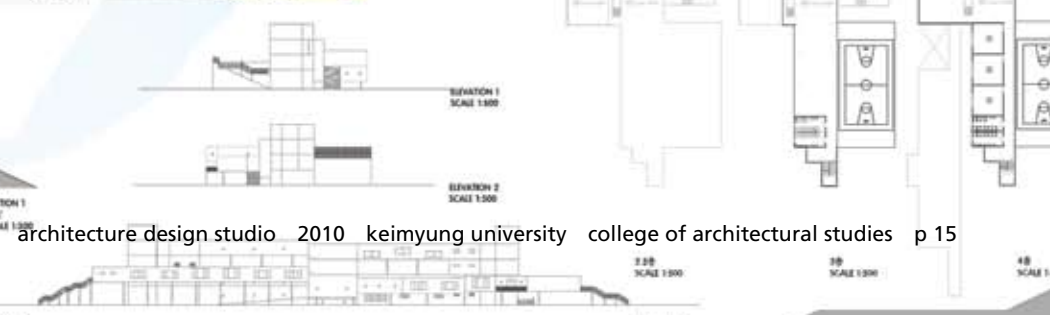
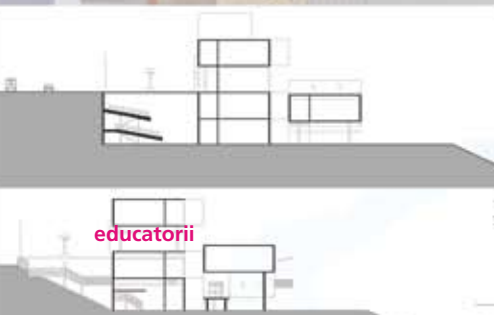
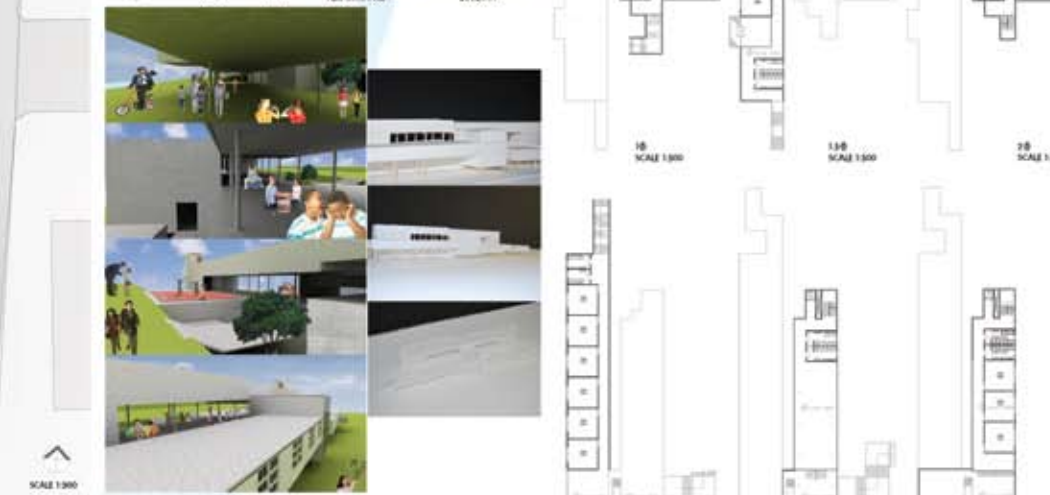
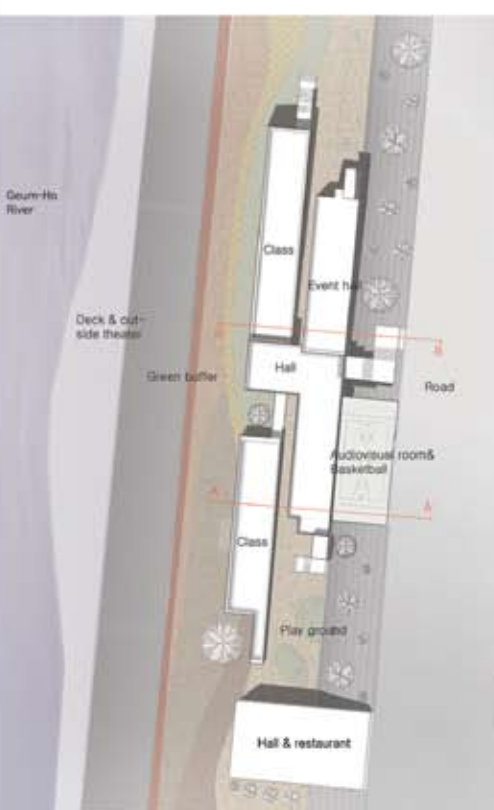
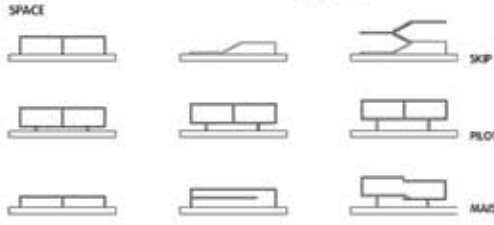
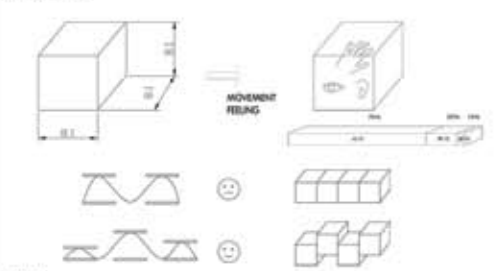
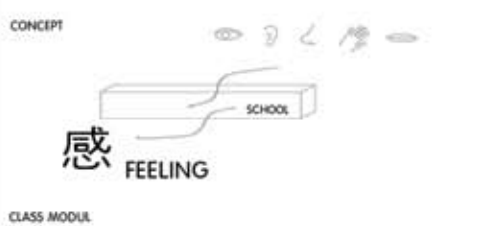
이은지 + 김민선





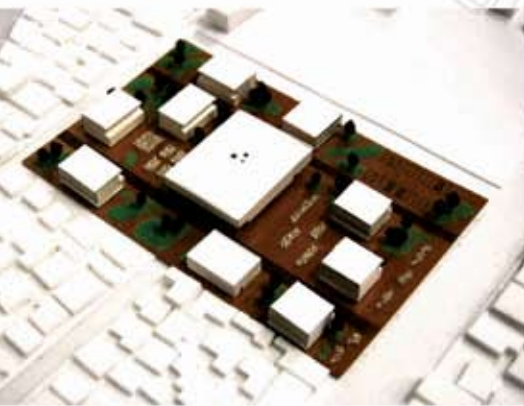
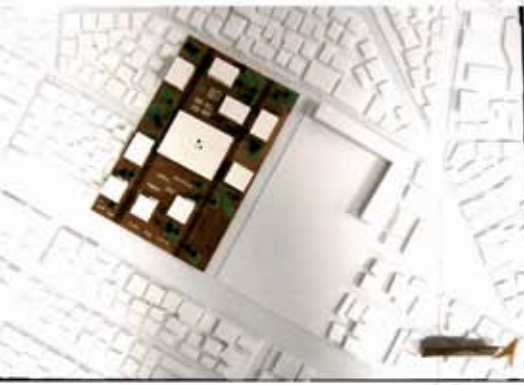
감각이 더해지다 SCHOOL ADD FEELING

초등학교에서부터 고등학교까지의 대부분의 학교는 8.1X8.1의 모듈로 존재하며 시각, 청각, 촉각 세가지 감각으로 배우고 익히게 된다. 12년동안 같은 공간 안에서의 생활은 감각의 발달을 어렵게 하여 창의적 사고와 부족을 가져왔다. 우리는 이 점을 고려하여 도시와 자연이 함께 어우러져 있는 장소, 다양한 공간과 프로그램을 통하여 감각의 발달을 통한 창의적 사고에 도움을 주려한다.



Art Residency

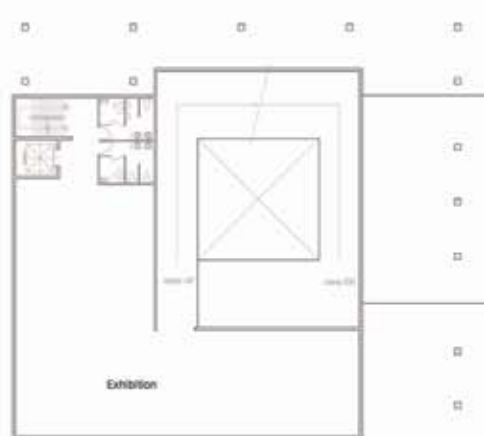
-Equalizer



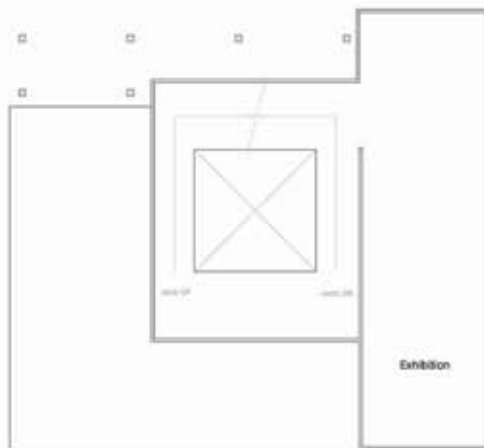
Site plan Scale 1:500



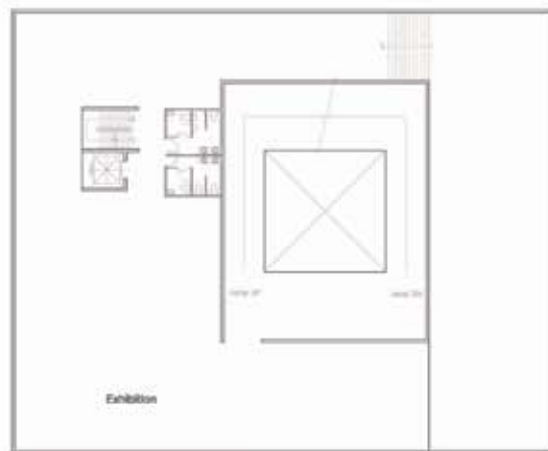
1F (Level 0)



2F (Level 3m)



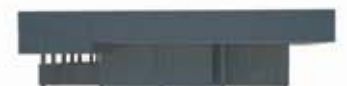
2.5F (Level 4.5m)



3F (Level 6m, 7.5m)

Short

- exhibition (one)
- a workroom+residency
 1. single room
(three people public) : (three)
 2. double room
(four people public) : (four)
- theater (one)
- cafe+studio (one)

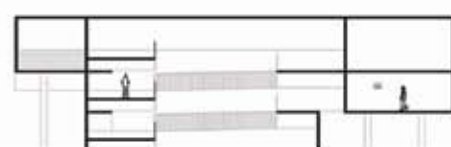


Exhibition plan

Scale 1:200

residential arts centre
realistic site
equalizer

이운지 + 김민선

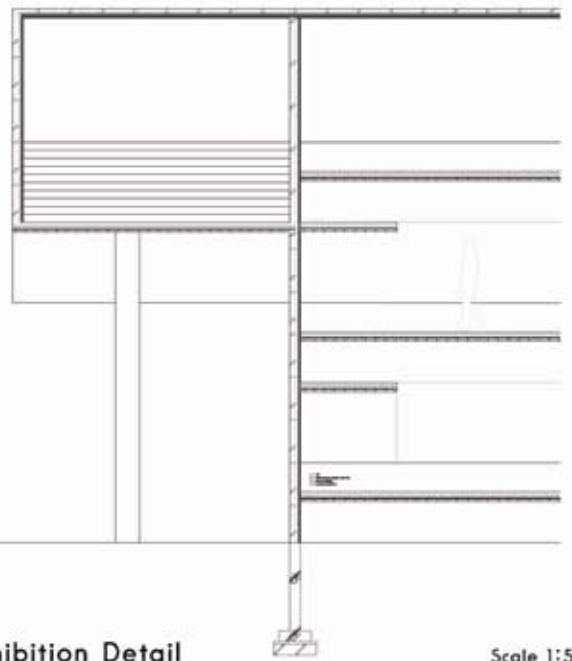


Exhibition Section

Scale 1:200

Exhibition Elevation

Scale 1:200



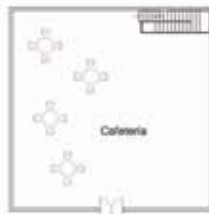
Exhibition Detail

Scale 1:50



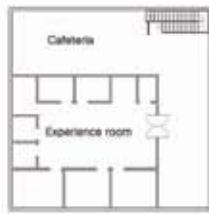
Theater plan

Scale 1:200



1F (Level 0)

Cafeteria plan



2F (Level 3m)

Scale 1:200



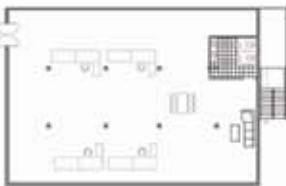
Unit 1



Unit 2



Plan



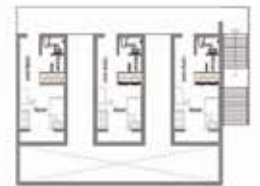
1F



2F

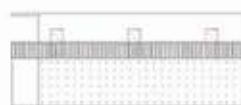
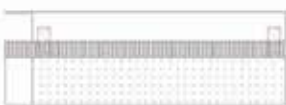
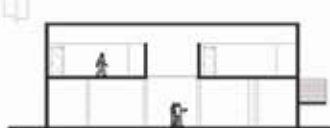


1F



2F

Section



Elevation

Scale 1:200



the 5 most important things in **Architecture** Design, Idea,
Sense, Creativity, Space Planning **Education** Communication,
Interest, Funny, Curiosity, Free [김은혜] **Architecture** strong on
creativity, curiosity, patience, good partner, a view of architec-
ture **Education** good model for education (idol or image), curi-
osity, interest, new challenge, diligent [구여진; September 2010]

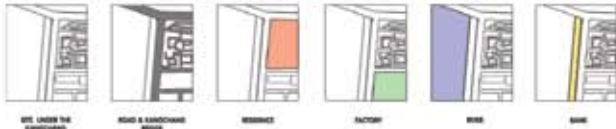
elementary school
romantic site
stepping-stone

김은혜 + 구여진



PROLOGUE
 우리 주변에서 쉽게 볼 수 있는 학교는 학생들의 학업, 인간 활동을 고려하여 도시속에 건물을 들어서게 되어있고 있다. 이러한 학교의 학생들은 거의가 우리들
 같이하는 도시에서, 건물들에서, 도로를 여기저기 돌아다니며 학교라는 단 하나의 목적을 이루고 있다.
 그래서 우리는 도시와 함께 새로운 차이를 지니고 있는 학교의 모습을 지니고 있는 것이기에 학생들을 위한 학교를 짓고 있다. 서예로 지고 있는 학교 이름
 학생들은 CITY, NATURE, SPACE, LEVEL, WATER 등 학교에서 서로 하나가 될 수 있도록 여겨진다.

SITE ANALYSIS



CONCEPT



Stepping-stone

이제 이 학교를 짓는 것은 학생들을 위한 학교를 짓는 것이다.
 Stepping-stone의 이름이 우리들 사이에 그들을 연결한다.
 학생들은 이 학교에서 서로 하나가 될 수 있다.

site 공간의 흐름과 연결



site 공간의 연결



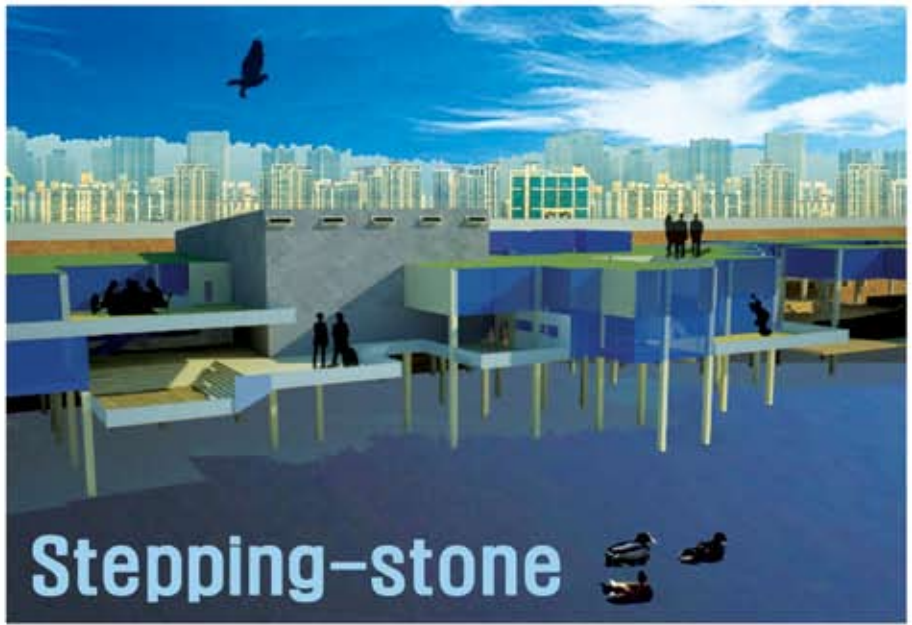
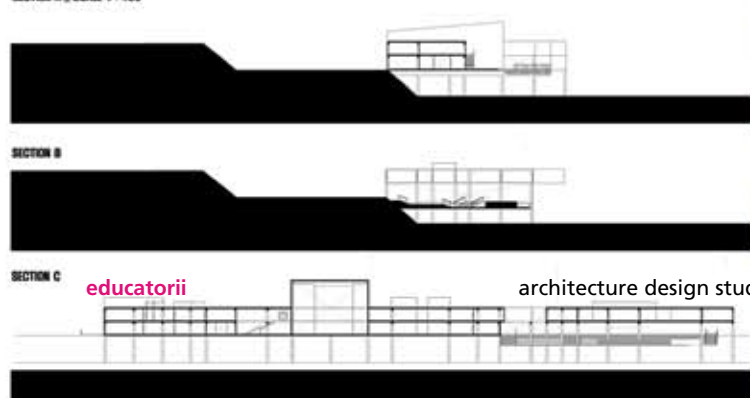
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 학생들은 이 학교에서 서로 하나가 될 수 있다.



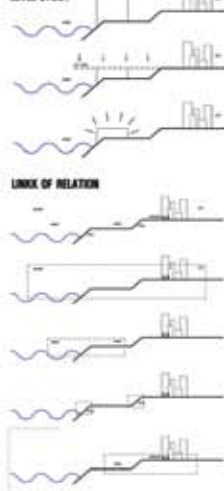
MASTERPLAN _ SCALE 1 : 500



SECTION A _ SCALE 1 : 400



LEVEL STUDY



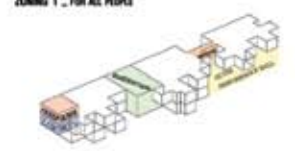
PLAN _ SCALE 1 : 500



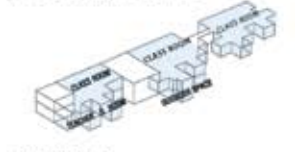
UNIT CONCEPT



ZONING 1 _ FOR ALL PEOPLE



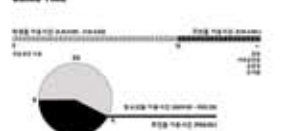
ZONING 2 _ FOR JUST STUDENTS, TEACHERS



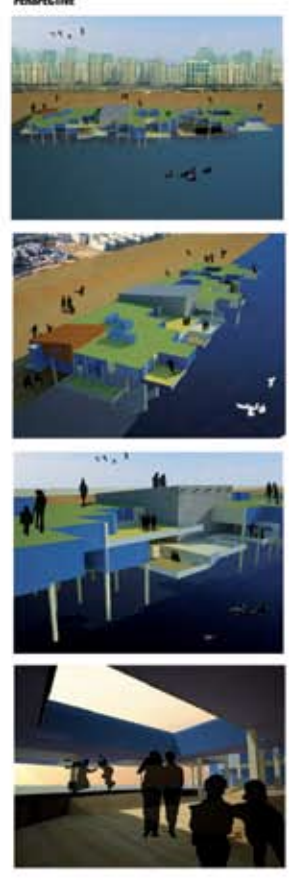
2 FLOOR LEVEL _ +3000



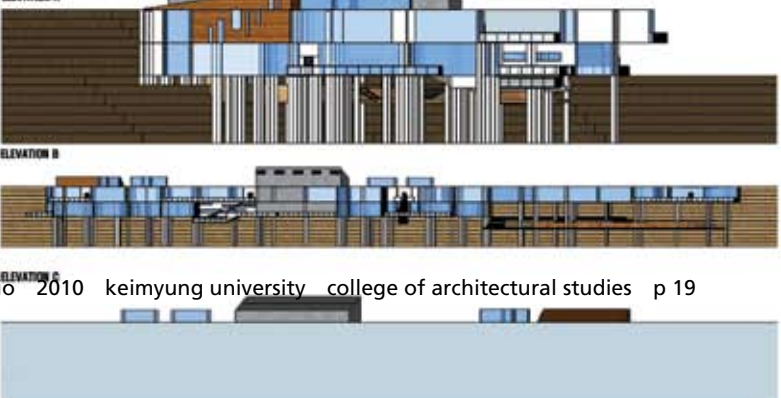
USING TIME



PERSPECTIVE



ELEVATION A



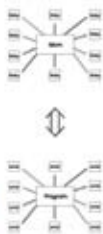


residential arts centre
romantic site
flow through

김은혜 + 구여진



Concept_Program Zoning

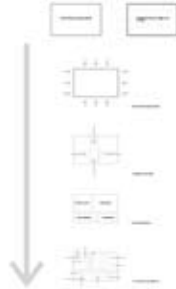


FLOW THROUGH

SITE PLAN _ 1:500

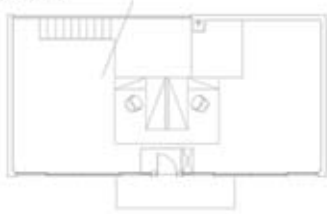


Concept_Flow Through



Type B-1인속

3조, 구역진, 김은혜



FIRST FLOOR

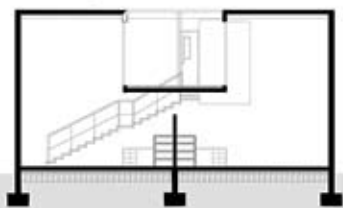


SECOND FLOOR

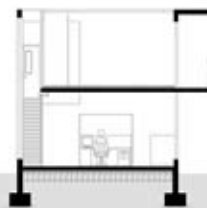
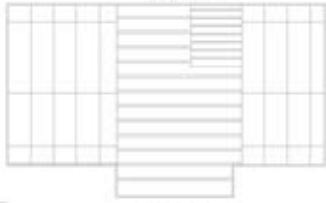
UNIT ELEVATION _ 1:50



UNIT SECTION _ 1:50

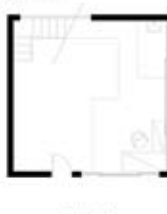


ROOF FLOOR



UNIT PLAN _ 1:50

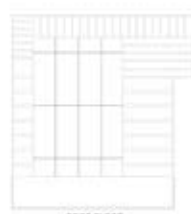
Type A-1인속



FIRST FLOOR

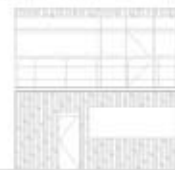


SECOND FLOOR

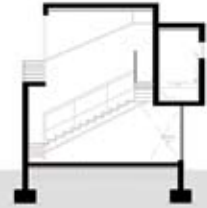
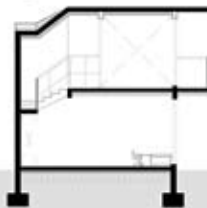


ROOF FLOOR

UNIT ELEVATION _ 1:50



UNIT SECTION _ 1:50



EXHIBITION PLAN _ 1:200

Type A



Type B



Type C



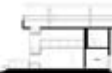
Type D



RESTAURANT PLAN _ 1:200



RESTAURANT SECTION _ 1:200



CONCERT HALL PLAN _ 1:200

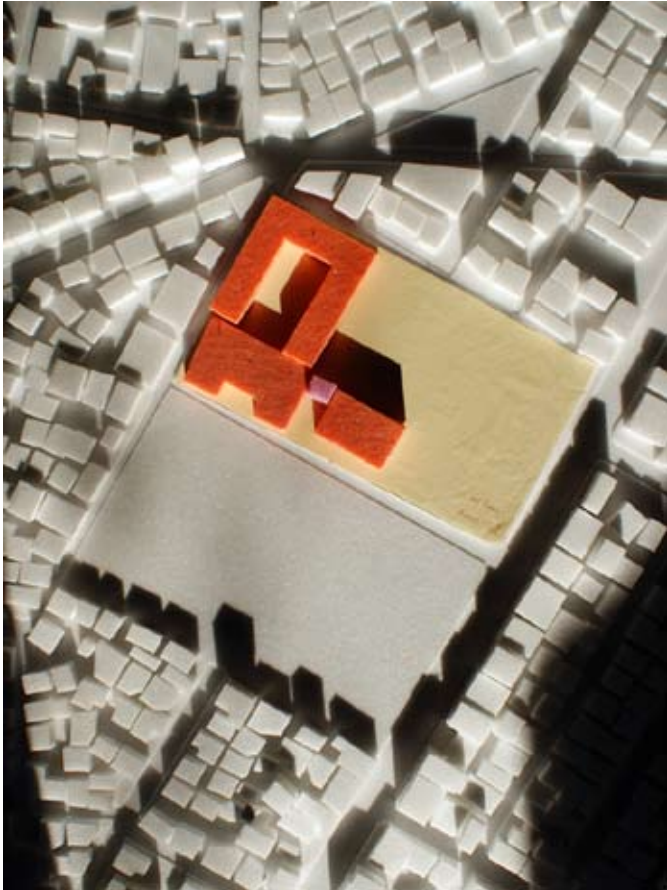


ARTIST BUILDING PLAN _ 1:200



ELEVATION _ 1:200





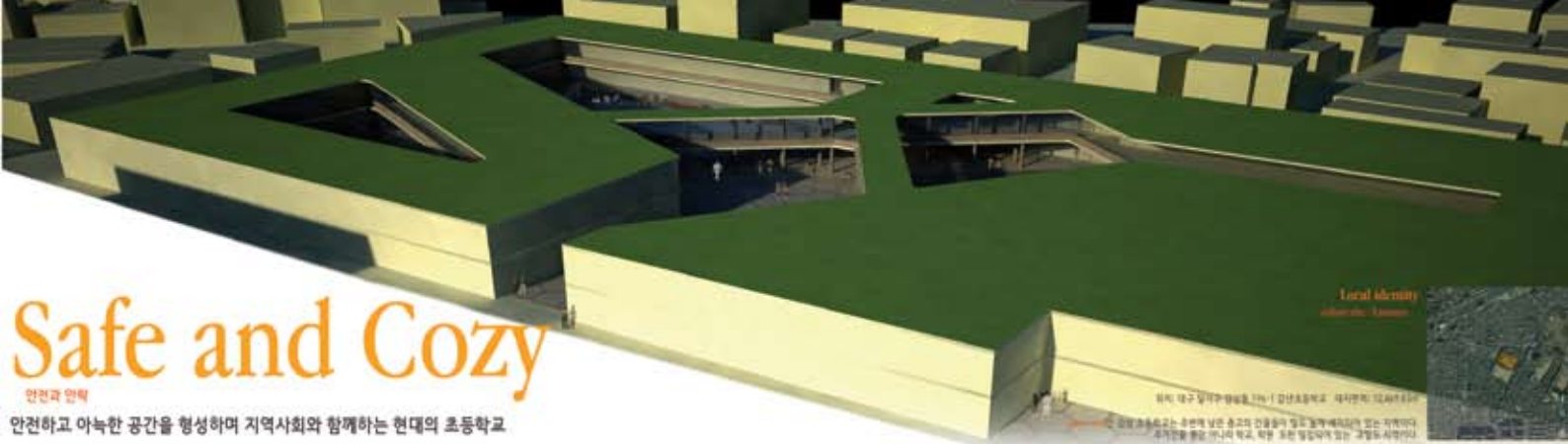
preliminary model

the 5 most important things in **Architecture** The first is the Harmony. Harmony with nature and human beings..etc. I think harmony is very important. The second is the Safety. Safety is the most basic elements. If the building is not safe.. Is this architecture? The third is a Human construction. If construction is not for human. The fourth is Care. Architecture genuinely cares about socially disadvantaged. The fifth is function. when Buildings will be designed by any particular purpose.. The specific objective to be achieved naturally. the buildings is better evaluated **Education** Timing, Fun, Passion, aim, curiosity. I think these five are the most important in education. [이의동] **Architecture** Human. Because, the architecture is for the people. Proportions. Sometimes proportions is Will influence the feel of the building. Area. By each feature have built their own area. Memory. The space is vivid in his memory. Design. Intense design gives us a strong impression. **Education** Focus. The distractions around you can not do anything. Work-study program. Interested in work-study program that occurs is not boring. Student. Education is for students to learn. Investment. For their own investment. Play. Also playing is education [이정진; September 2010]

elementary school
realistic site
safe and cozy

이의동 + 이정진





Safe and Cozy

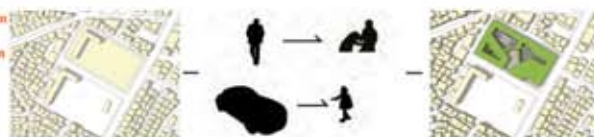
안전과 안락
안전하고 아늑한 공간을 형성하며 지역사회와 함께하는 현대의 초등학교



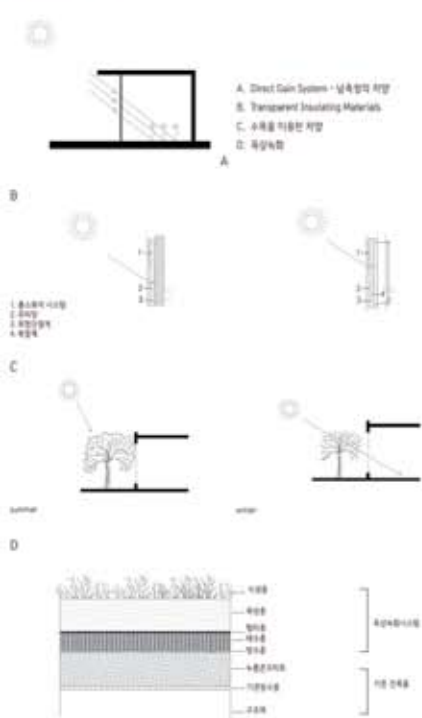
prolog

공학적 변화라는 한 시대, 사회적 역할인 초등학교의 중심지의 역할에 논을 더했다. 시간이 갈수록 증가하는 마을 활동의 부족한 아늑한 마을 시도. 이들을 한 공간에 모으려 하고 거주민의 활동할 수 있는 공간을 줄 수 있는 공간이다. 그 일을 하고 있는 공간에서 살고자 한다. 현재의 학교는 단순히 교육 공간이라는 의미를 넘어서 지역사회의 중심이 되는 공공공간이 역할도 한다. 정보구의 중심에 위치한 초등학교를 지역주민과 공동체로서, 문화사회의 부속을 추구하거나 해설하고 있다.

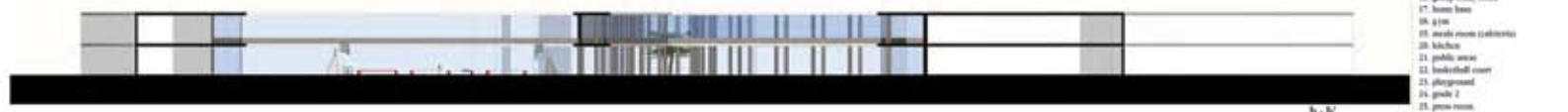
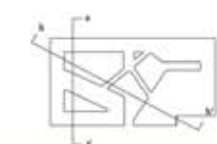
problem & solution



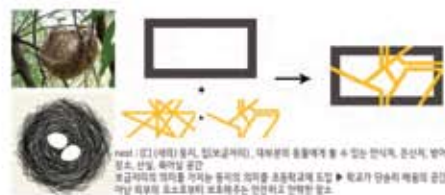
environment-friendly



section & elevation



concept



conceptual explanation



1. line 형태로써 속이 되는 공간을 제공한다.

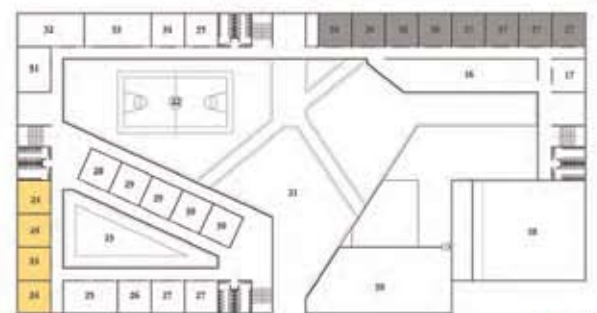
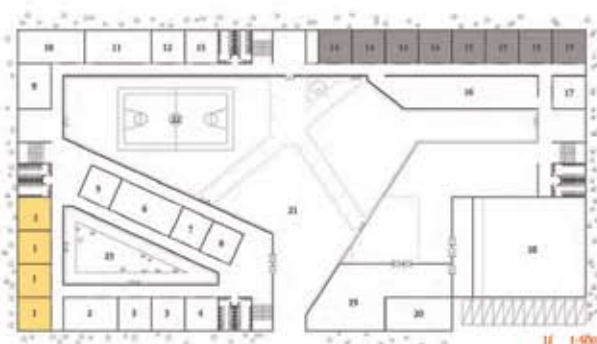
2. solid의 속이 만나는 부분을 void로 주어 allow하는 공간을 형성한다.



3. 옥상과 옥상의 연결을 통해 공간을 늘린다.

4. 옥상의 접합으로 만들어진 공간을 기존보다 void를 형성한다.

plan



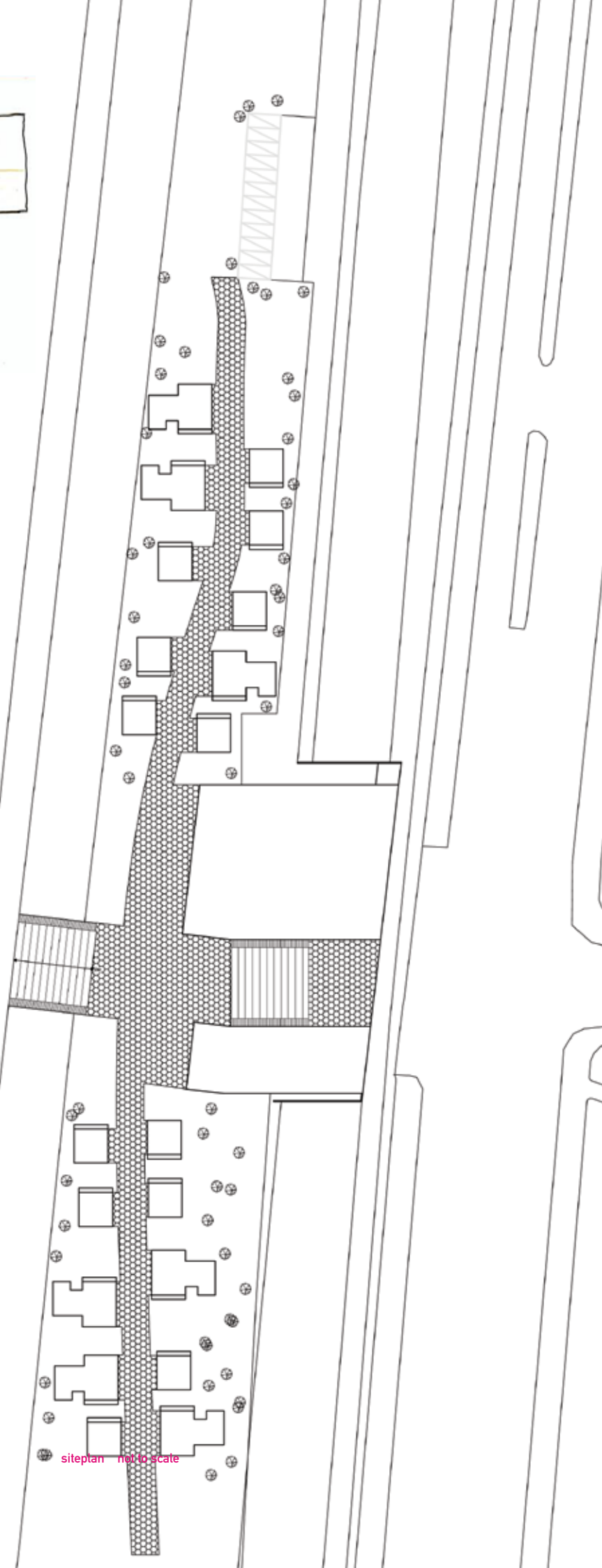
- 1. grade 1
- 2. special class
- 3. kindergarten
- 4. night watchman's room
- 5. radiance studio
- 6. teacher's room
- 7. principal's office
- 8. administration office
- 9. music room
- 10. art studio
- 11. computer lab
- 12. health room
- 13. shower room
- 14. grade 2
- 15. grade 3
- 16. group study room
- 17. home base
- 18. gym
- 19. media room (radio)
- 20. kitchen
- 21. public area
- 22. basketball court
- 23. playground
- 24. grade 4
- 25. gym room

Why? 왜?

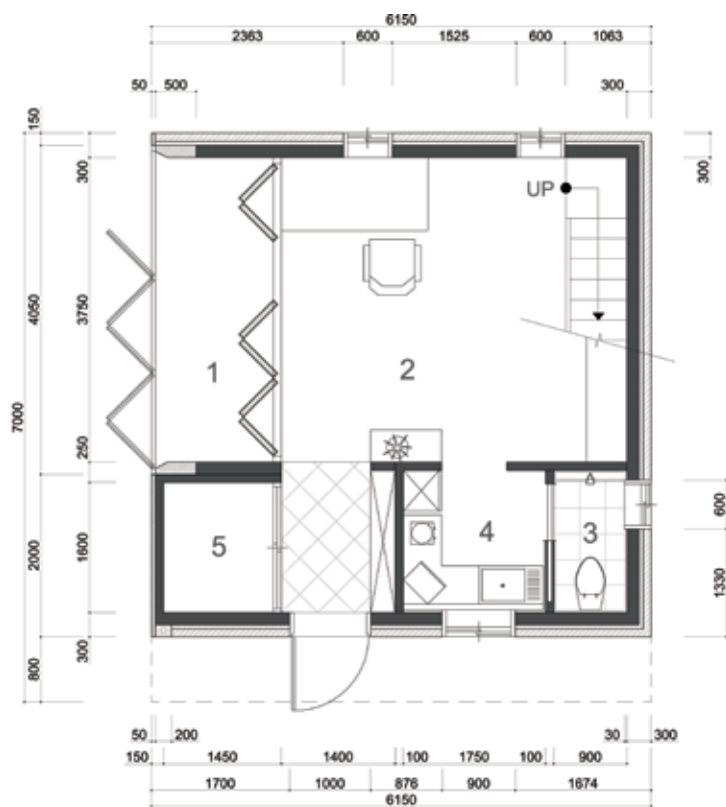


residential arts centre
romantic site

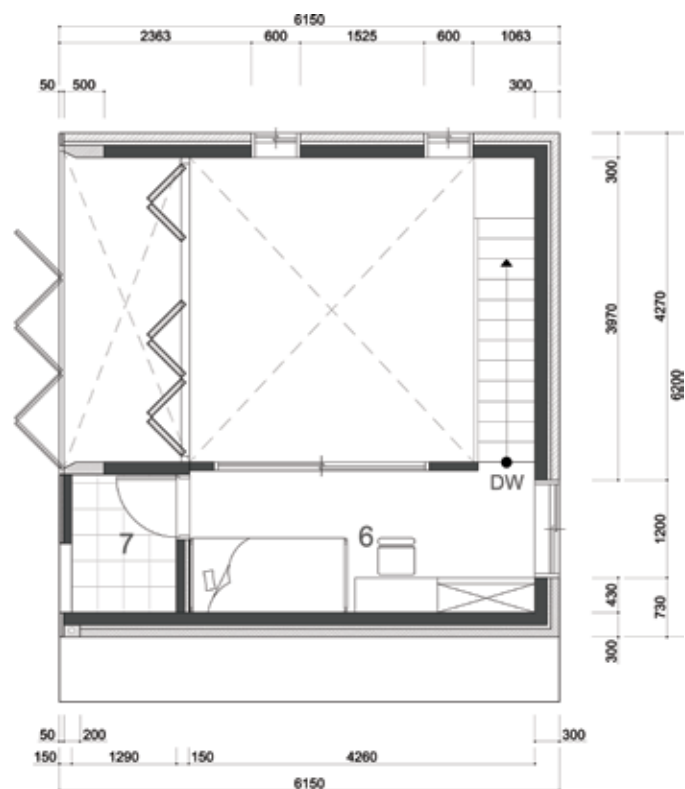
이의동 + 이정진



siteplan not to scale



1F



2F

- 1. exhibit room
- 2. workroom
- 3. bathroom
- 4. kitchen
- 5. storage
- 6. bedroom
- 7. balcony

ART RESIDENCE (SINGLE ROOM) 1:50 FLOOR PLAN





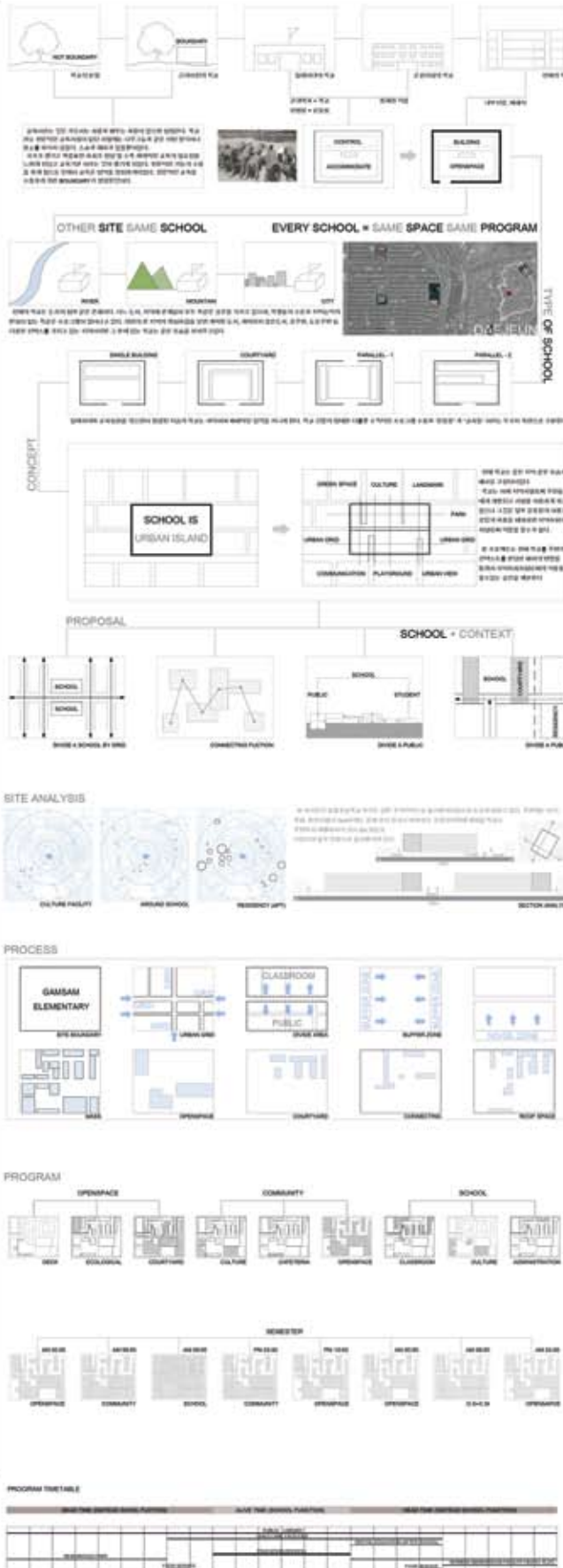
model development

the 5 most important things in **Architecture** First, Would like to be clear about the philosophy of architecture. The second is about the relationship between architecture and the city would like to study. Third, I want to learn how to access a variety of ways. (architecture) Forth, I want to know about the importance of elevation. Fifth, I want to know Green Architecture. **Educa-tion** First, Mass studies of a variety of ways Second, improve English (speaking, write, listen.. ^^) Third, You can get pleasure from teaching. I want to learn to enjoy the architecture. Forth, Design of class assignments and other class assignments would like to know to handle efficiently Fifth, I would like to learn your sense of humor. [정산해] **Architecture** impressive, Communi-cation, Engagement, Human, Sustainability design **Education** feedback, Role model, mind, seriously, respect [정강연; September 2010]

elementary school
realistic site
the influx of urban fabric in the school

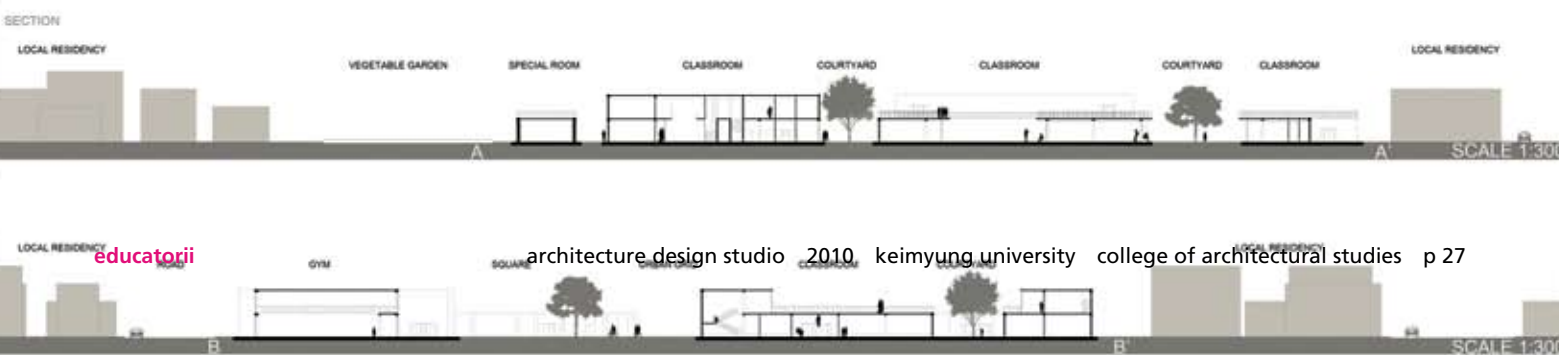
정산해 + 정강연

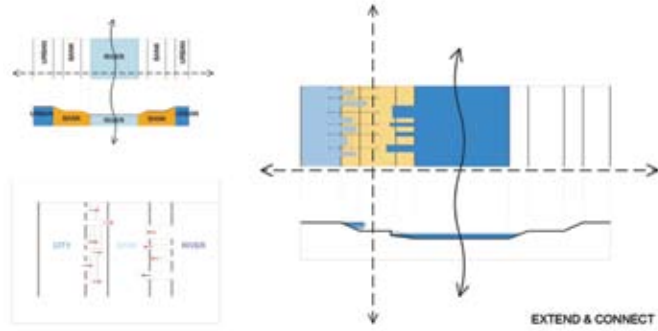




The INFLUX of URBAN FABRIC in the SCHOOL

학교의 재배치를 통한 지역사회시설로서의 학교시설 계획안

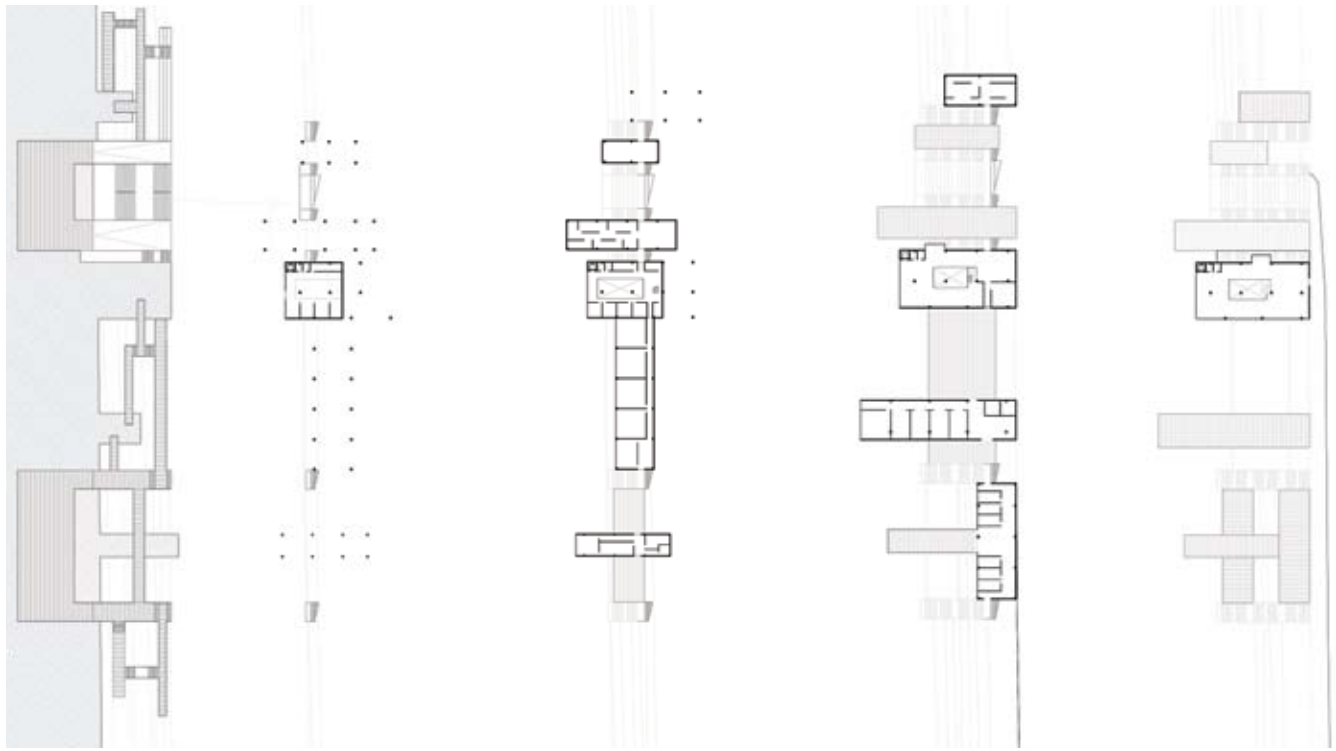


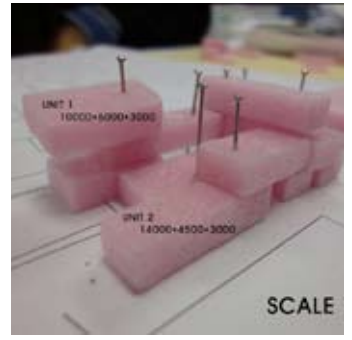


residential arts centre
romantic site

정산해 + 정강연







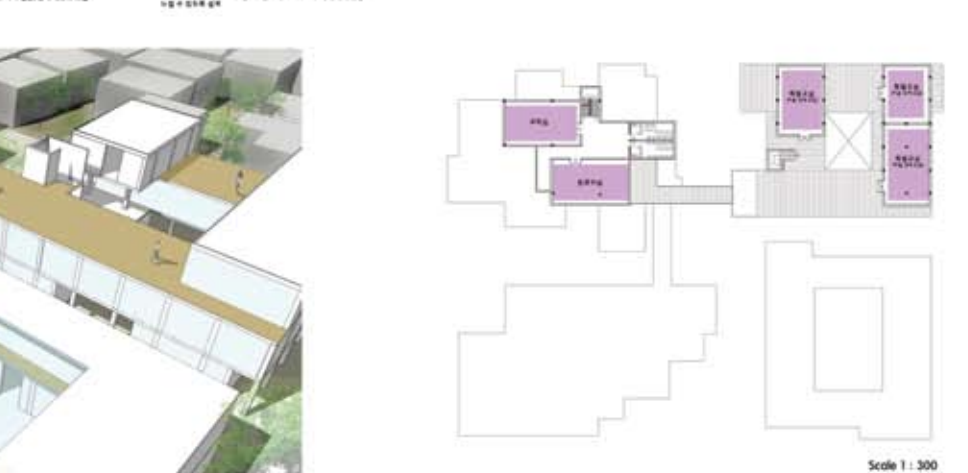
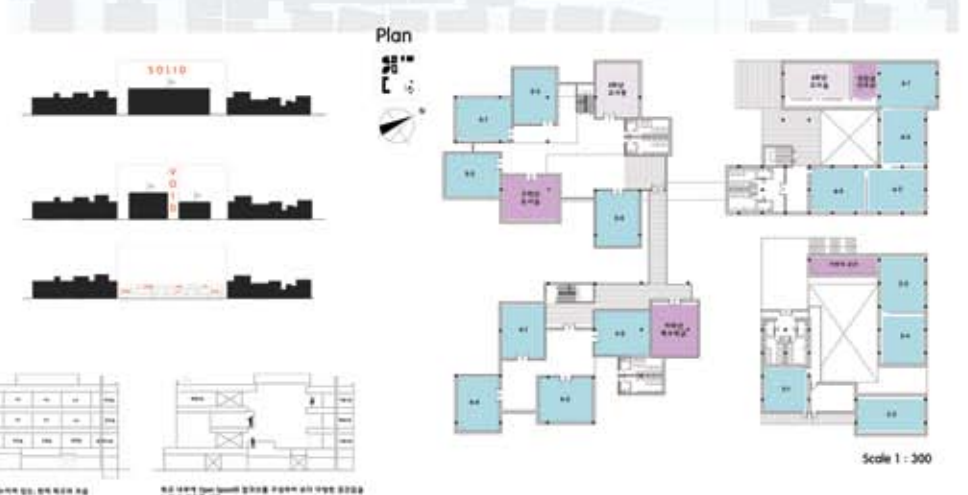
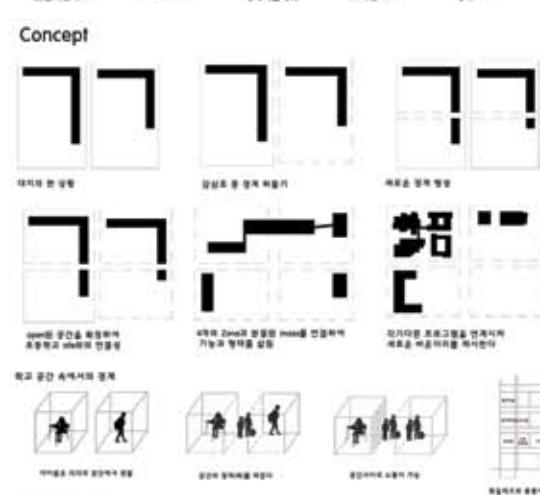
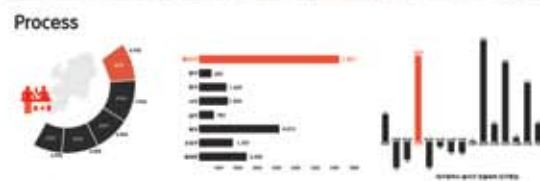
the 5 most important things in **Architecture** creative thinking, interest, experience, patience(endure), do one's best. (+ some talent) these 5 things are very veryyy important in architecture. i think :) creative and fluid thinking is made good mess, good design and good space. a kind of seeing, listening, touching, feeling.... these experience's important. An interesting will help. despite these stressful working, we are happy with our studing **Education** conditions, passion, humanity, respect, curiosity [박지윤] **Architecture** Design, Creative idea, Passion, Emotion ; deeply moved, Interesting **Education** Association, Curiosity, Role – play, Communication, Imagination [윤수진; September 2010] We think school is a place educating, and getting from education. It is a small society experiencing it for the first time before an adult being.

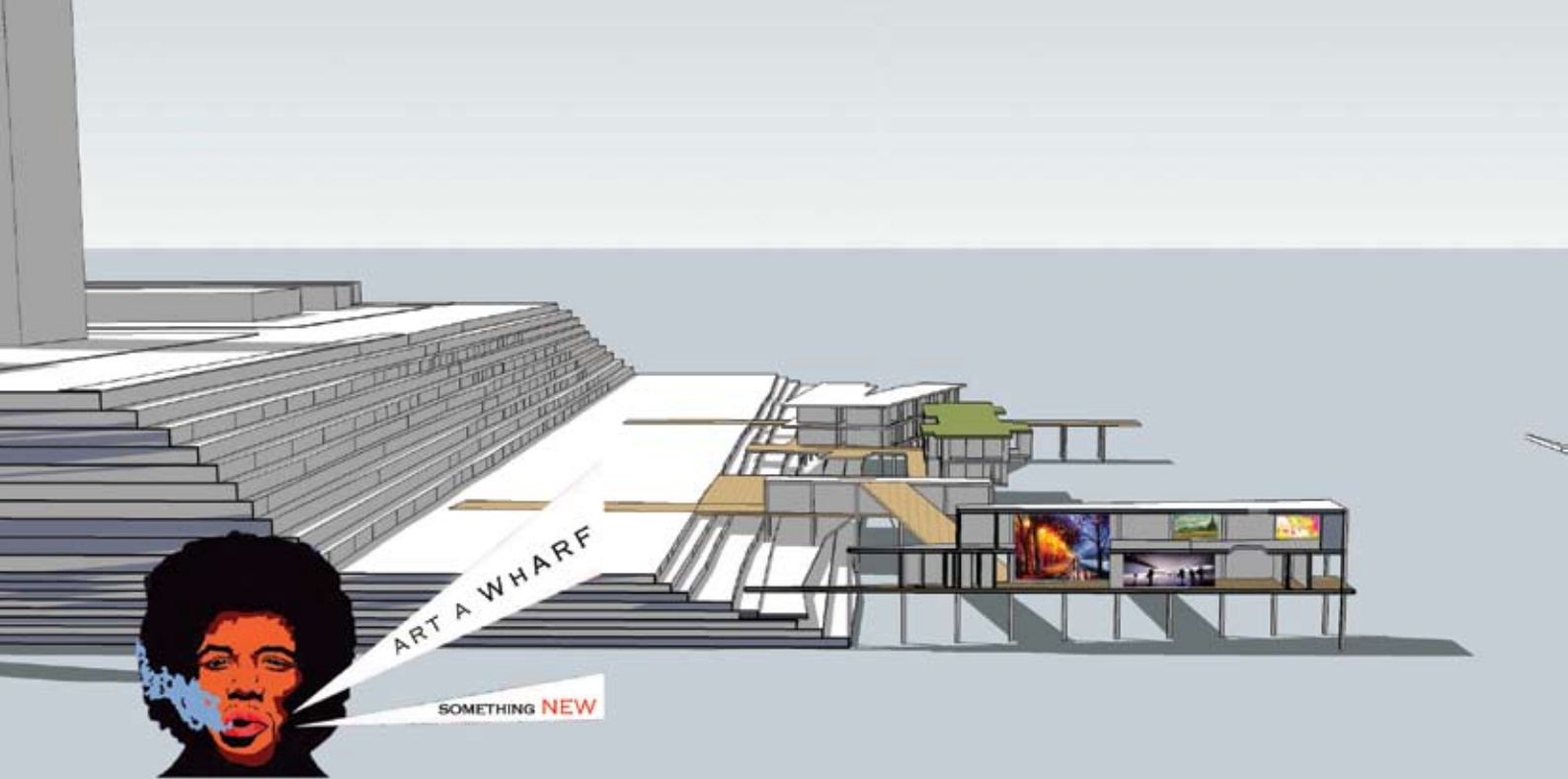
However, the current school is closed and separated uniformly. Age or grade, status, position, a space..... so on. They learn more in the times. but They limited bundant experiences and create thoughts. It, a Mixed-Use Elementary School as a Core Place of Its Neighborhood around elementary schools, and you shall be carrying a child playground or the park, community facilities etc. But cannot hold that kind of contents. It is the local center, and it is a square having opened, and we make a space achieving one community not being pulling down wall of an elementary school only. [박지윤 , 윤수진; November 2010]

elementary school
realistic site
in school – out of school

박지윤 + 윤수진



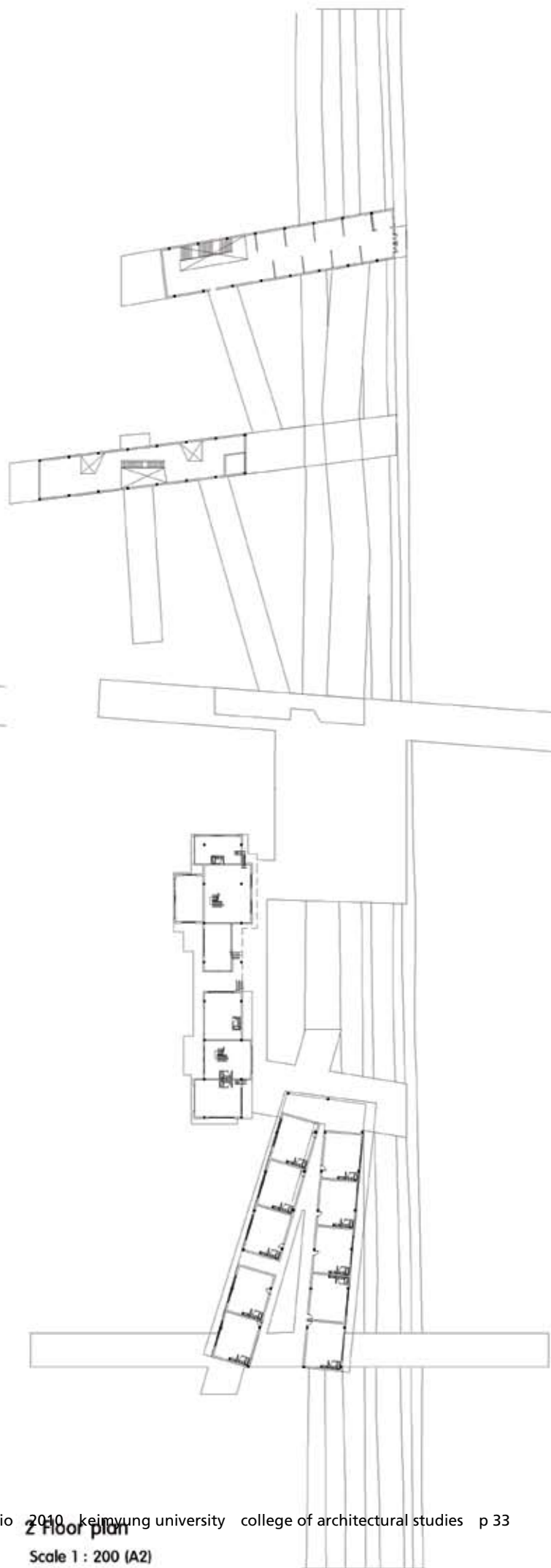
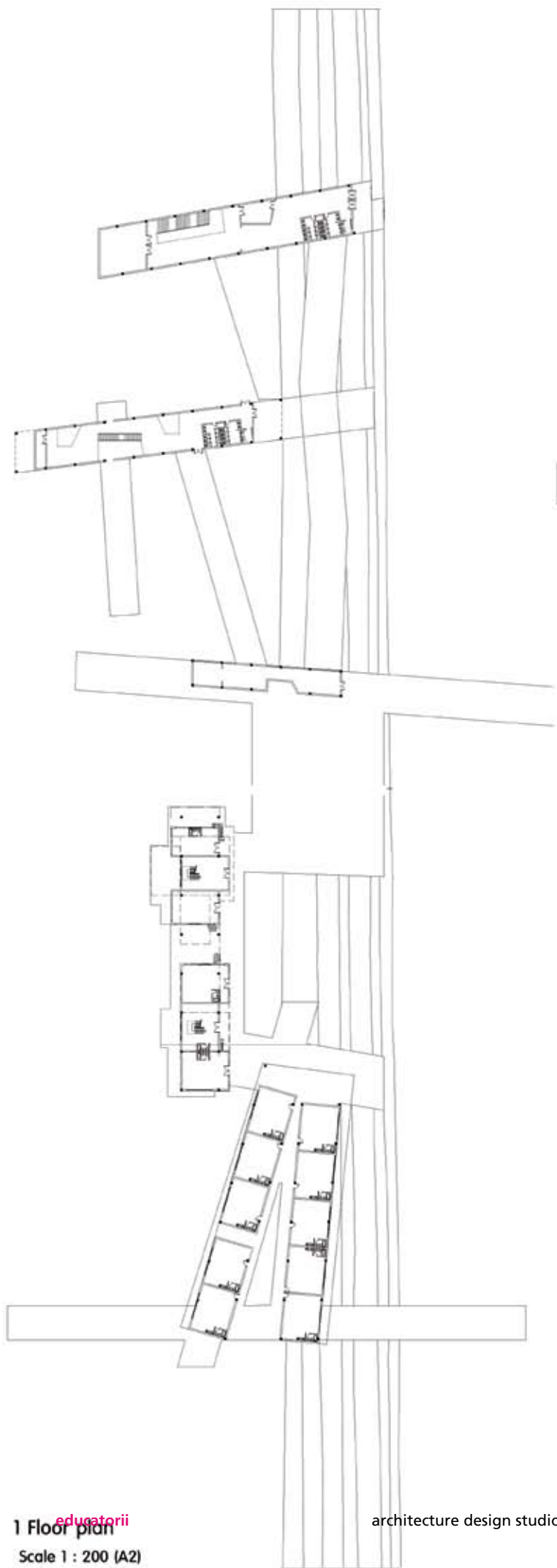




residential arts centre
romantic site
art a wharf

박지윤 + 윤수진







the 5 most important things in **Architecture** idea, sense, sight
of many direction , travel, a cheerful disposition !!!!!
Education interest, patience, effort, obvious goal, dream
[손세정] **Architecture** patient/design/eco-friendly/comfortable/
creative **Education**- easy/difficult/everlasting/fair
[김미성; September 2010]

elementary school
realistic site
moving school

손세정 + 김미성





Concept

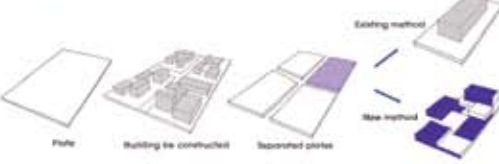
Approach

Moving School



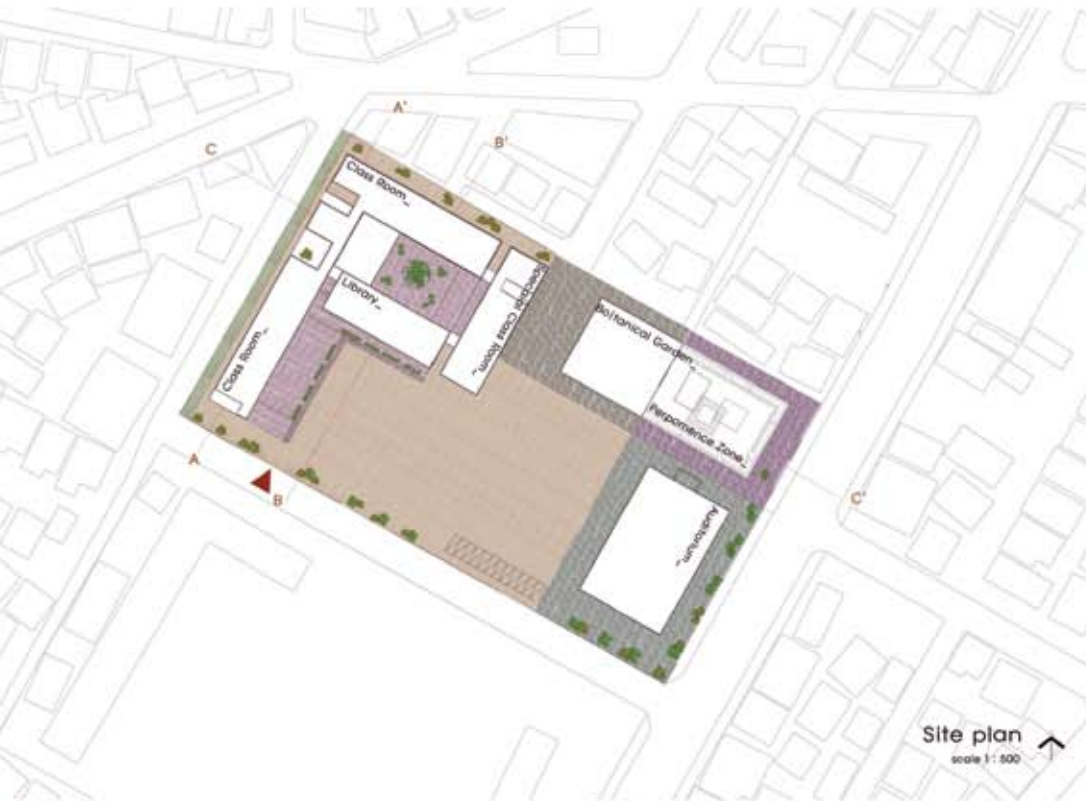
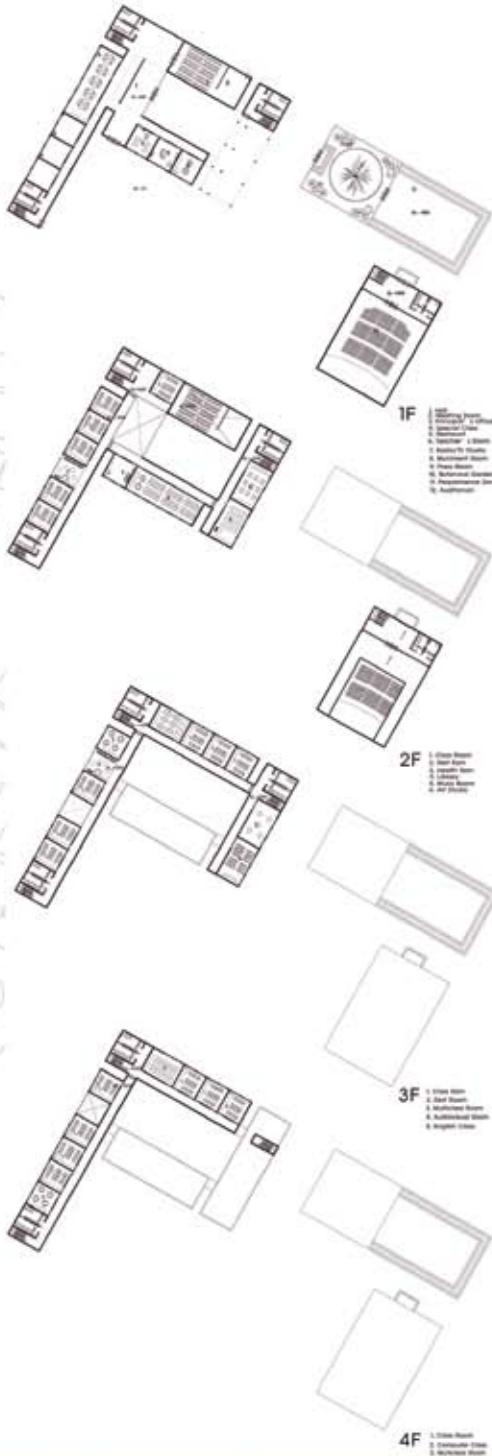
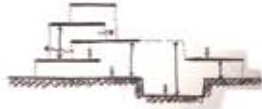
Energetic Active Floating

Concept Sketch



Mass Process

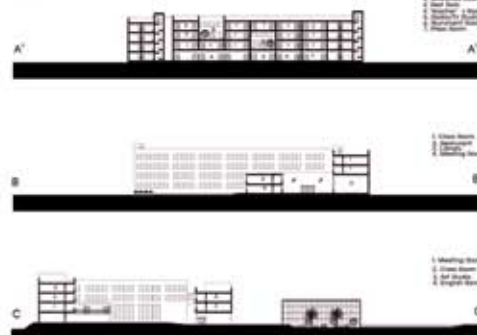
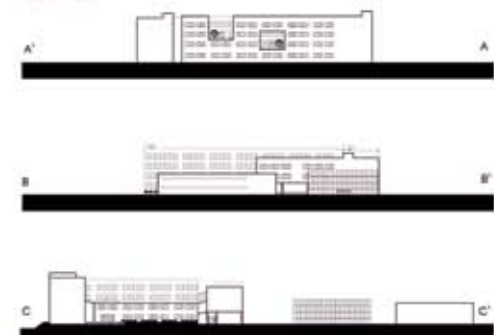
Plan scale 1: 600

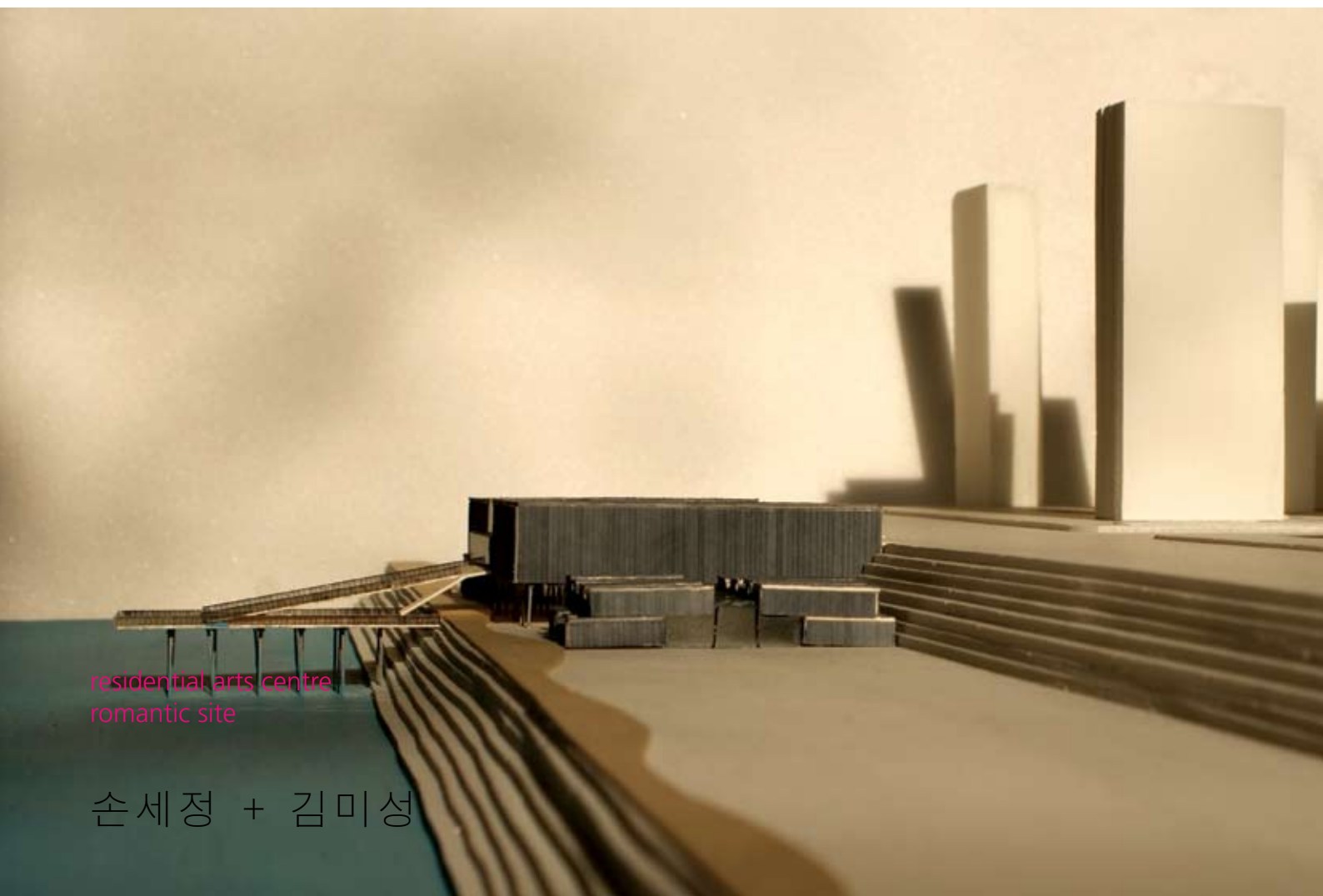
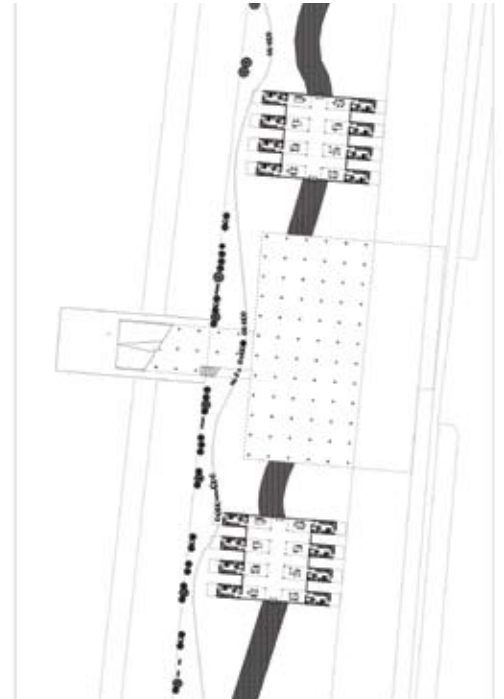


Site plan scale 1: 500

Elevation scale 1: 600

Section scale 1: 600



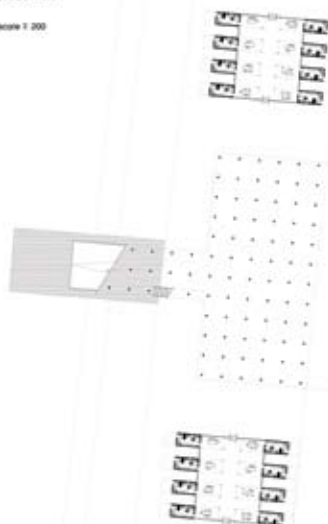


residential arts centre
romantic site

손세정 + 김미성

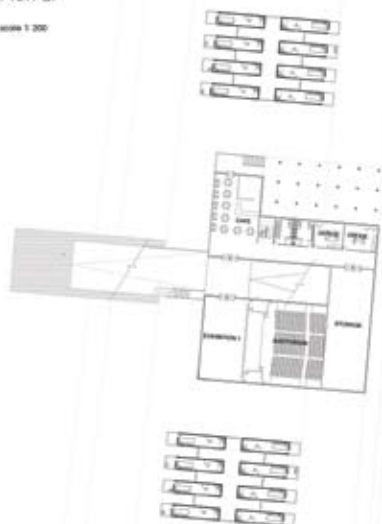
Plan 1F

scale 1:200



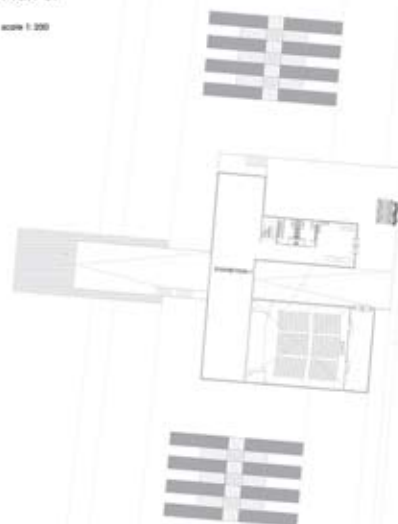
Plan 2F

scale 1:200



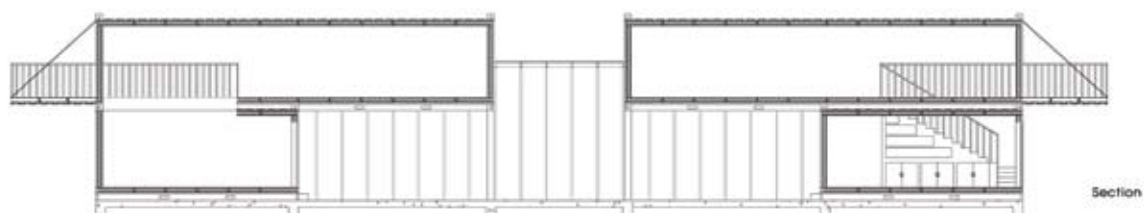
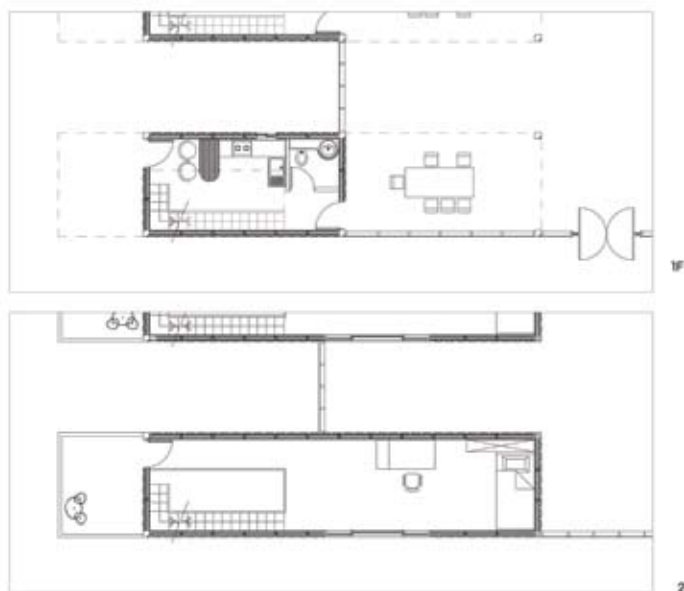
Plan 3F

scale 1:200



Detail main plan§ion

scale 1:50

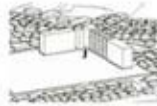
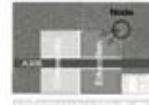




Present



Proposal



siteplan not to scale

the 5 most important things in **Architecture** I think interaction with human and buildings is most important thing in architecture. -First of all, most important thing is safety. Building must safety for humans. -Secondly, I think building must itself function. People like short road to reach destination. Building must satisfy this thing. -Thirdly, Buildings should have beautiful or funny shape. When people see beautiful things or funny things, they feel happy. So.. buildings should have interesting shape to make people happily. Above-mentioned word include color,material, shalter function, and so on... This is important all **Education** I think relationship between professor and student is important. Also, time promiser is important. this is important not only education but also every life. Outside of that, attitude, passion and patience are required to student in education. [류승수] **Architecture** Passion, Effort, Safety, Open Mind, Wide Sight (or a lot of Experience) **Education** Student, Teacher, Honor, Curiosity, Good Environment [이 지 수; September 2010]

elementary school
realistic site
close to

류승수 + 이지수

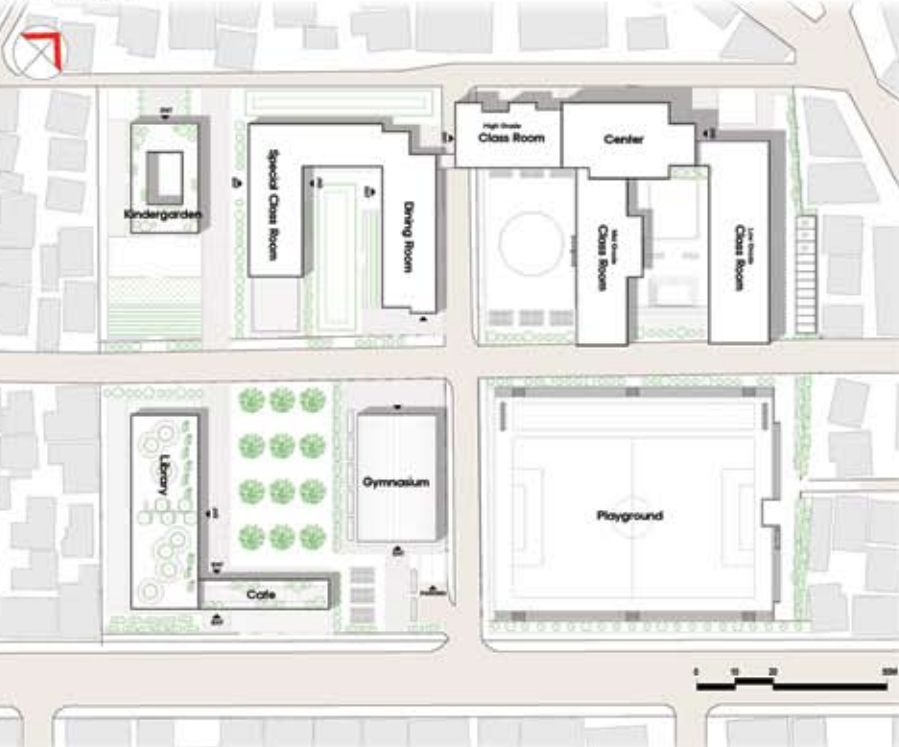


CLOSE TO

Prologue

본 프로젝트의 목적은 공공교육환경을 조성하고, 이를 통해 지역사회의 활성화를 도모하는 데 있다. 이를 위해 본 프로젝트는 공공교육환경을 조성하고, 이를 통해 지역사회의 활성화를 도모하는 데 있다. 이를 위해 본 프로젝트는 공공교육환경을 조성하고, 이를 통해 지역사회의 활성화를 도모하는 데 있다.

Master Plan



Concept



Grouping



Plant Wall



Program & Space plan



Elevation A-A'



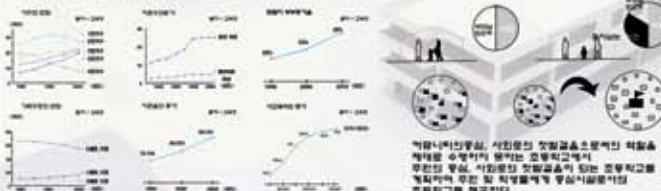
Section B-B'



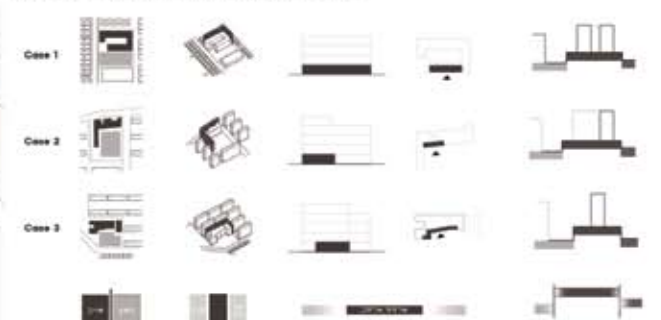
Section C-C'



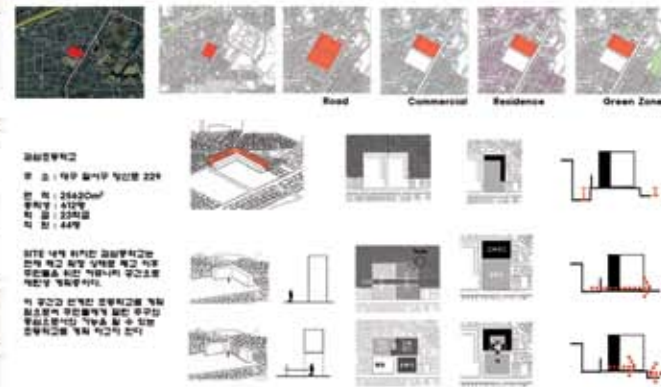
Social Problem



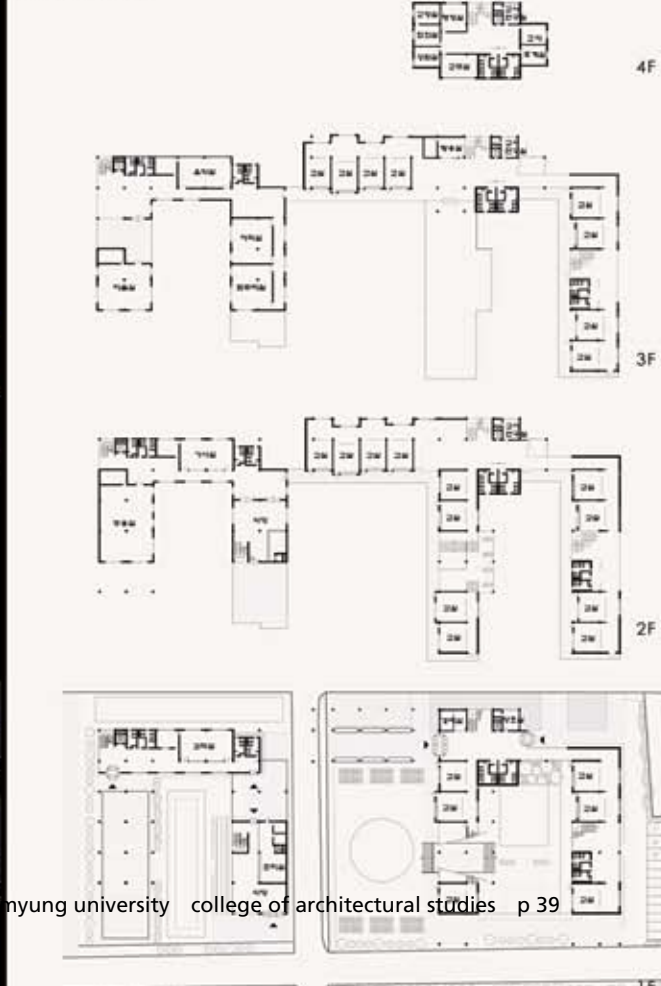
Space Problem

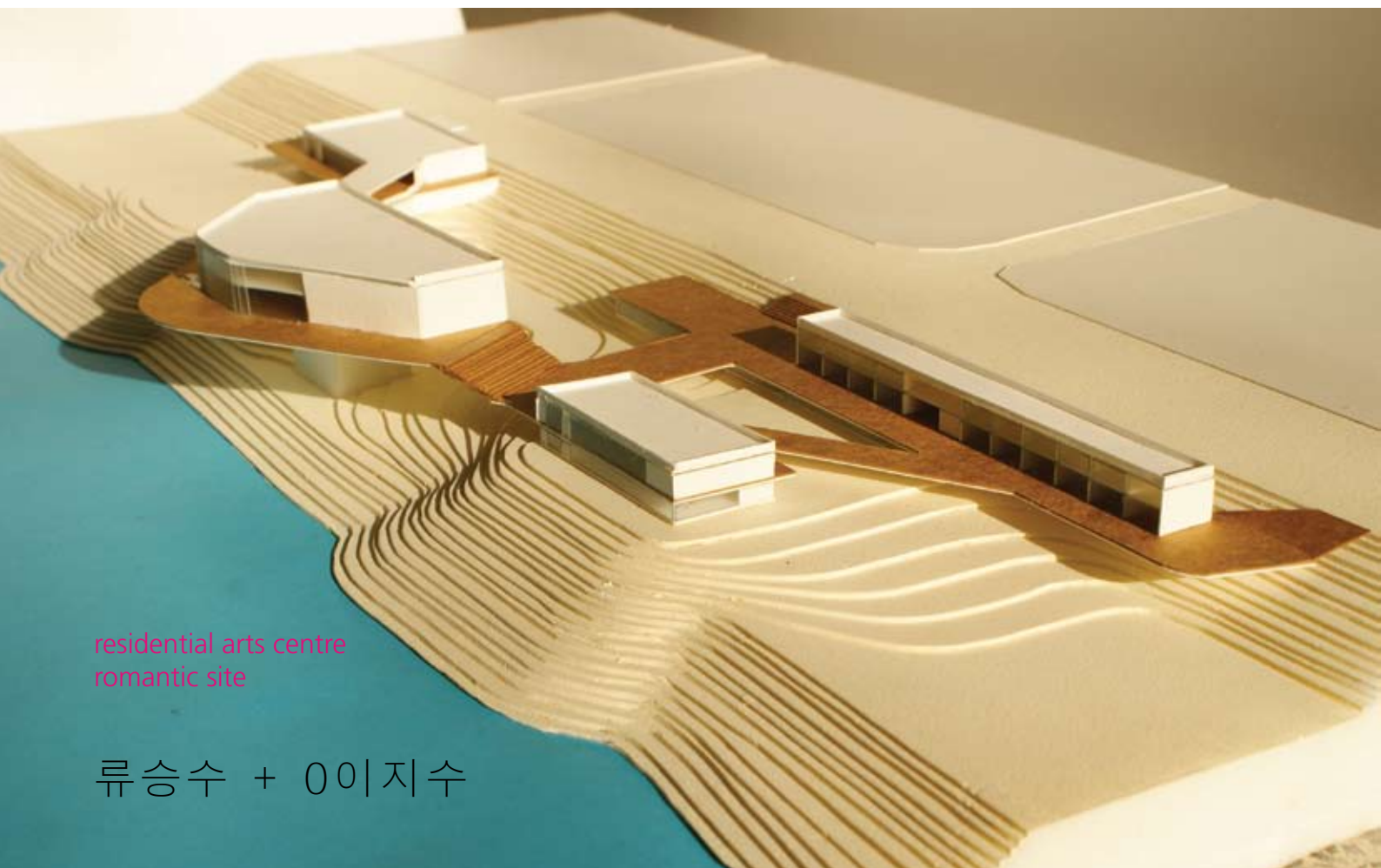
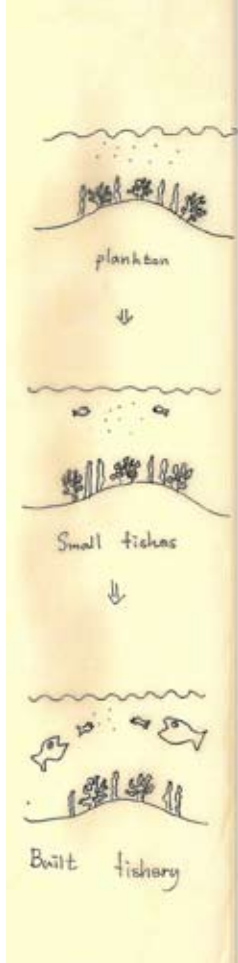


Solution



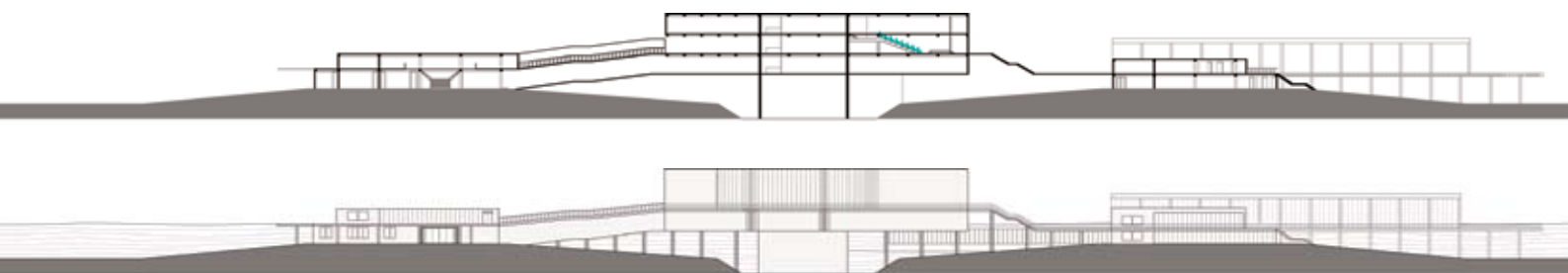
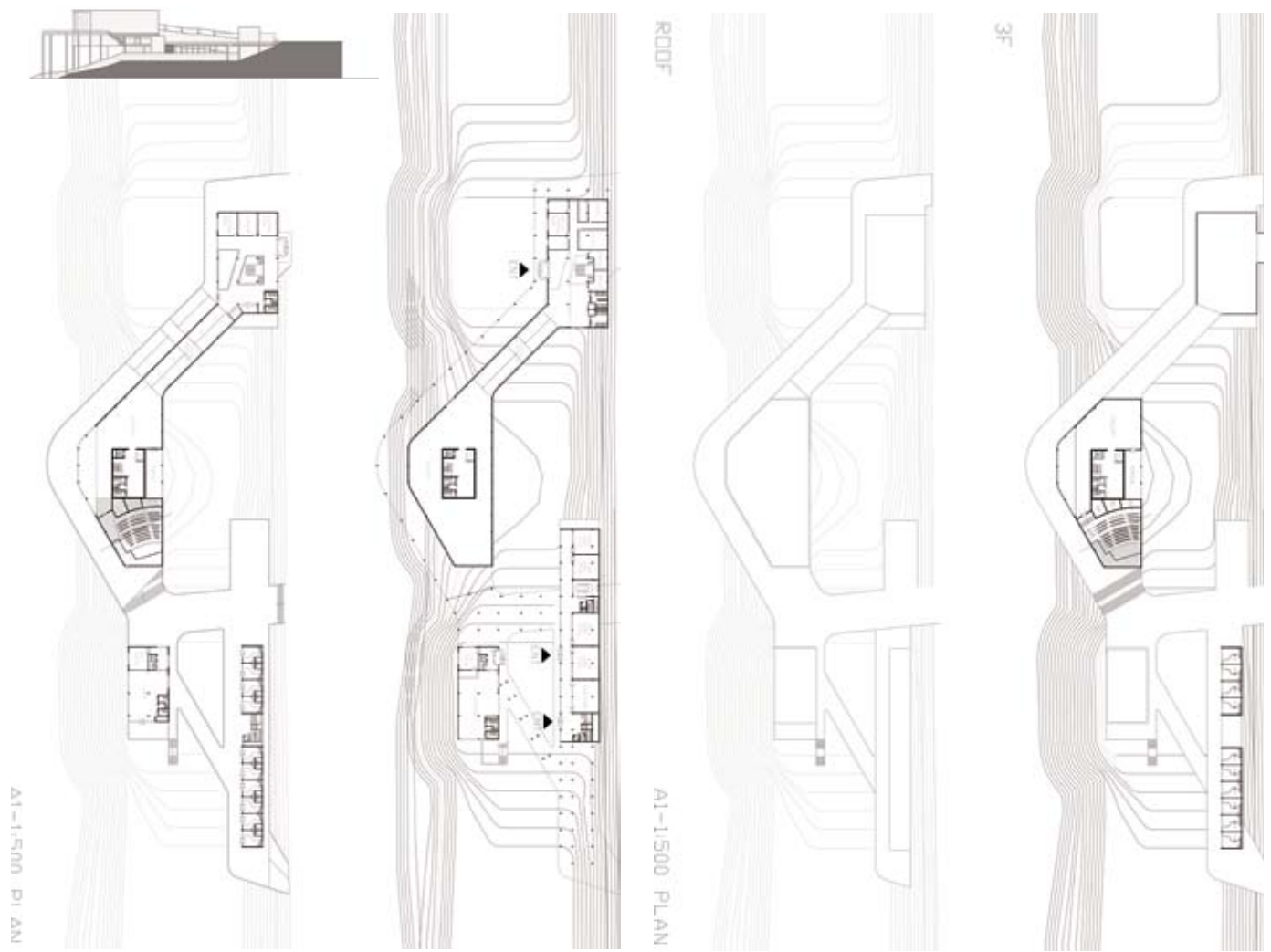
Plan Scale 1:500





residential arts centre
romantic site

류승수 + 0이지수





results

we went out and analysed the site, where is the river coming from, is it badly polluted, where is the next cultural institution, how far to public transport, we went out and researched into the prospective users needs, visited, recorded and tried to understand the operations necessary.

with the approach, to respect (and respond to) our understanding of context, the results became (as seen from now) slightly predictable: open, spread out structures on the riverbanks, closed and compact ones at the urban site.

the built-for-purpose-ness, the content as driving force for the generation of an architectural form, often lead to similar, seemingly preset, solutions, the artists freedom and openness vs. the hermetical protection of the young ones.

though i do not think that there is anything wrong with that, if we would try for once to imaginary translocate the context-specific urban school to the river (and vice versa), or to exchange the explicitly designed-for users of our buildings, from artists to kids (or from kids to artists), and compare the one content with the other, the one context with the other, that might open up the way we try to respond to circumstances, the search might turn from a » what is there« to a »what is missing«.

jan schabert, february 2011



thanks for making my first semester in korea a great one!

2 different institutions of education [elementary school & residential



& romantic riverside] – a research into the influence of a co