

SANG-UK PARK
WORK SAMPLE

SANG-UK PARK

CONTACT

EMAIL | beatpsu@gmail.com
PHONE | 1. 267.443. 0204
ADDRESS | 232 Taaffe Place 205A, Brooklyn, NY 11205, United States

EDUCATION

2012

Master of Architecture
University of Pennsylvania, United States

2006

Bachelor of Science in Architectural Engineering
Hanyang University, South Korea

2004

Exchange Program
National University of Singapore, Singapore

EXPERIENCE

04/2006 – 03/2009

Designer | Chang-jo Architects, South Korea
Responsibilities | Design, Modeling in Sketch-up, Physical modeling, Drawing Design Development for Woosong University Gymnasium Complex, 2008
| Design Façade, Drawing Design Development for LG Fashion Training Center Renovation, 2007
| Design Façade, Drawing Schematic Design, Modeling in Sketch-up for LG Fashion Master Plan, 2007
| Design, Physical modeling for KT Competition, 2006
| Drawing construction documents for Konjiam Resort, 2006

12/2004

Intern | MKPL Architects, Singapore
Responsibilities | Physical modeling for Local Housing Project

PROFICIENCIES

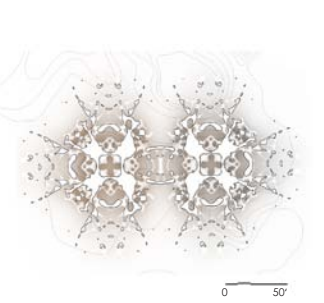
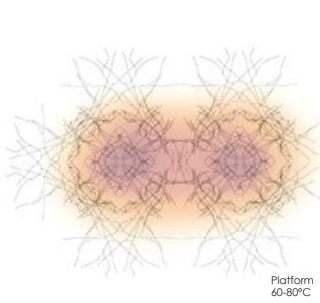
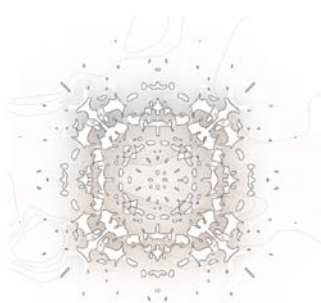
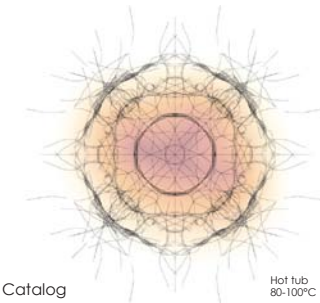
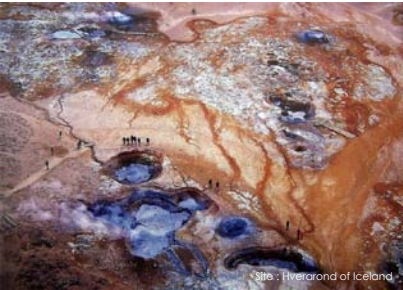
DRAWING | Autodesk CAD
MODELING | Rhino, Maya, Sketch-up, Revit(technical competency certificate)
RENDERING | Maxwell, V-ray
SCRIPTING | Grasshopper for Rhino
PRESENTING | Adobe Suite, Microsoft Office
SIMULATING | Ecotect, Visual Analysis

HONORS AND AWARDS

Published on Suckerpunch | Graduate Project from Upenn, leđa blóm(mud flower), 2012
Honorable mention | [AC-CA] London Olympic Information Pavilion Competition, 2011
Honorable mention | Seoul Public Design Competition, 2011
Newberry Scholarship, 2010 – 2012
Graduation Honors Prize and Honors Scholarship of Hanyang University, 2006/2000



This project is museum located in Iceland, where hot energy is continuously coming out from the ground. There are various phenomena such as boiling mud pot, hot spring, and vent which is emitting gas. These spots have different temperature each other. The structures are suggested which have its own forming logic and reacting with the temperature of the ground. Therefore, each spot has its own structural pattern and program. Structures create emergent structures where various structures are interacting each other. In order to maximize the experience of visitors, mud bath, steam bath and exhibition space are suggested. In addition, mud from the site is used as a material for building. People can feel the sense of place from the material and program.

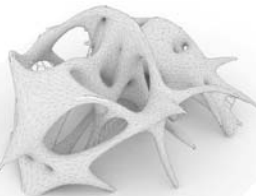
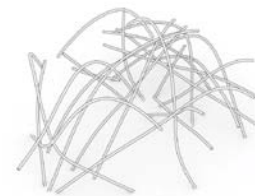


Catalog

Hot tub
80-100°C

Platform
60-80°C

0 50'



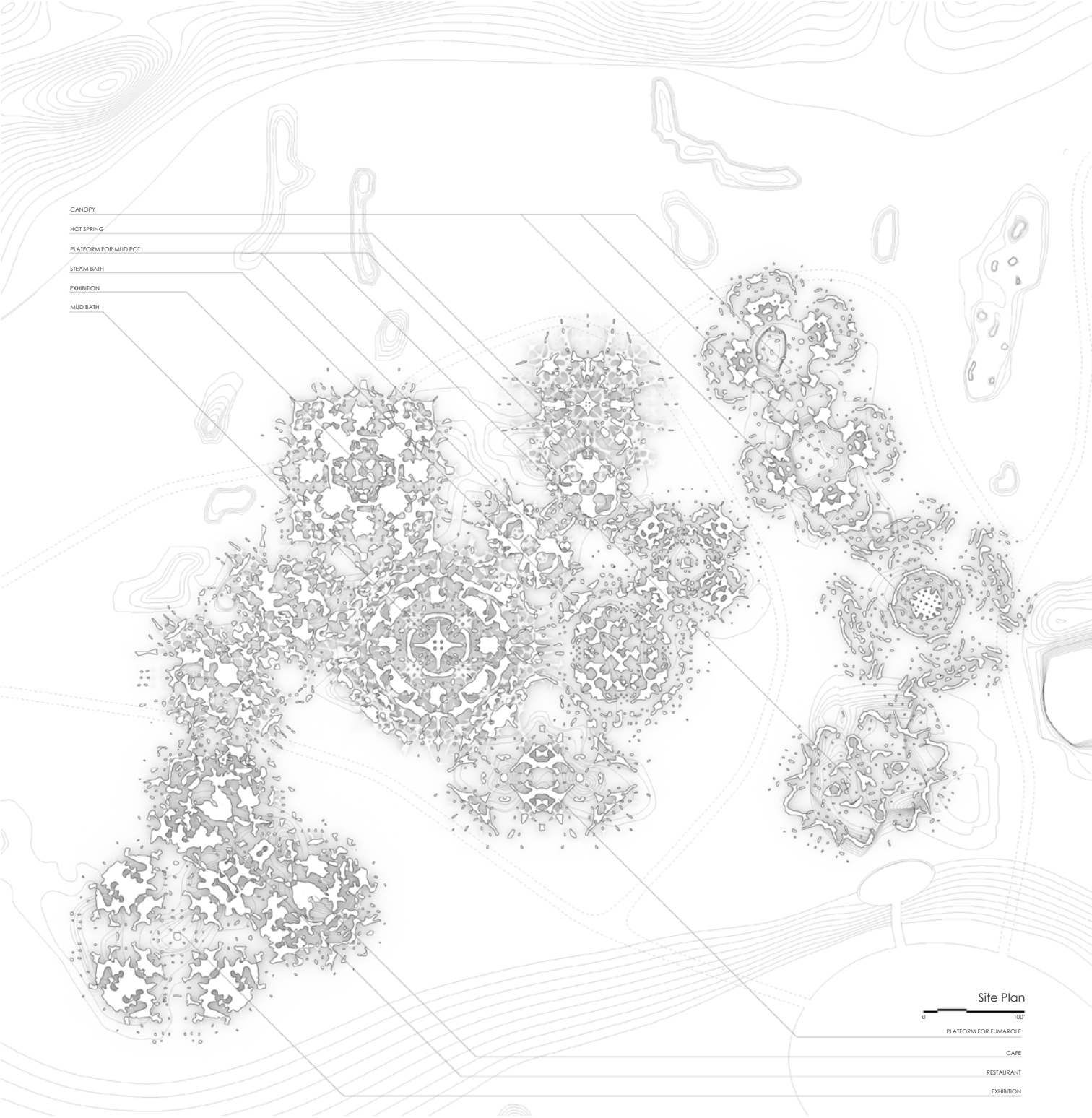
Construction Diagram

Primary structure | steel

Secondary structure | steel

Wireframe | steel

Skin | mud



Site Plan

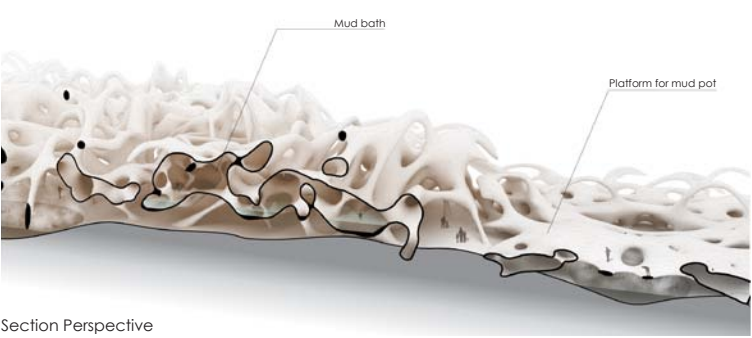
0 100'

PLATFORM FOR FUMAROLE

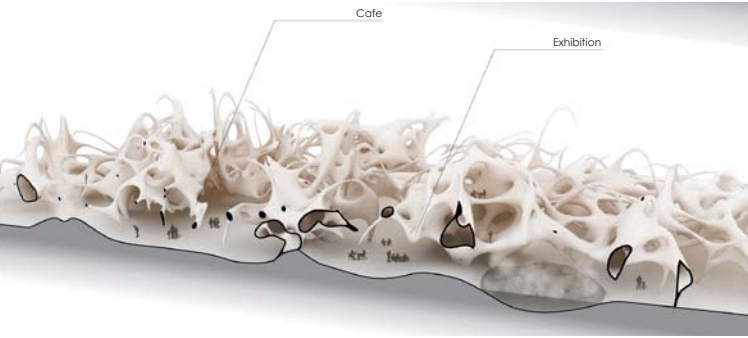
CAFE

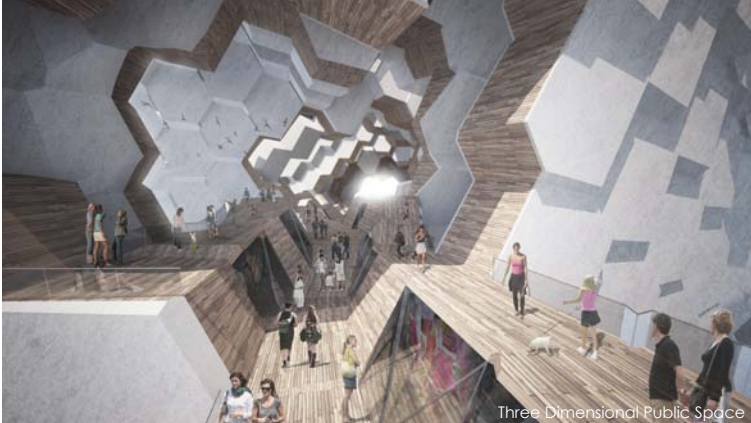
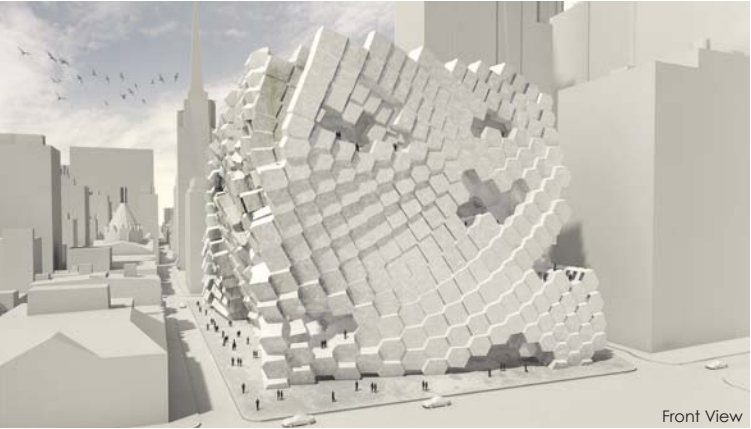
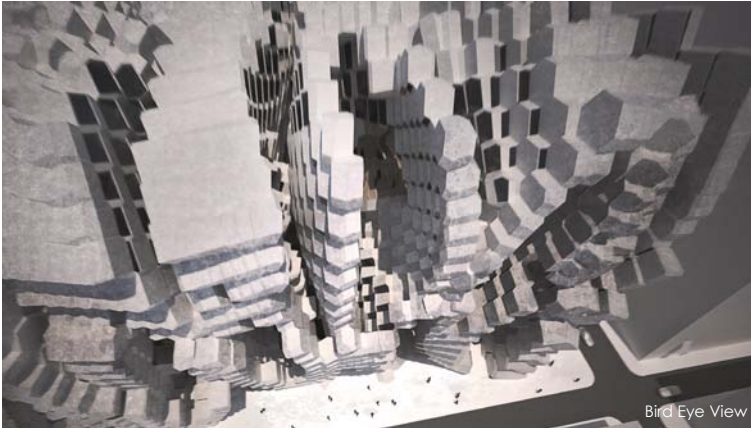
RESTAURANT

EXHIBITION

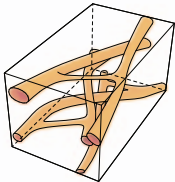
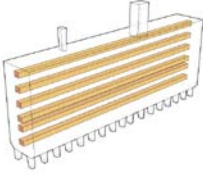


Section Perspective





Reinterpretation of Public Space

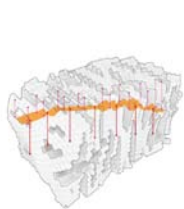


Elevated Ground of Unite d'habitation

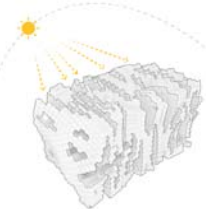
3 Dimensional Ground

Urban housing is basically made of aggregation of inhabitable cells (units). However, in most case, each cell is simply stacked repeatedly. As a result, many housing buildings are made of simple combination of corridor and cells. This kind of aggregation method has produced limited relationship between individual cells and city. This project is started with converting one whole block of Center City at Philadelphia to new type of high density cell aggregation. This project has various three dimensional elevated grounds inside of it. These three dimensional voids function as extended street or square of the city. Program of the whole block is also redistributed depending on these three dimensional voids.

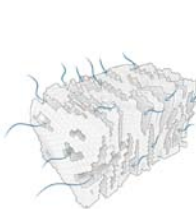
Like city, most easily accessible part is occupied by shopping program such as retail stores, restaurants, and café. The next accessible part is occupied by office program and the farthest part from three dimensional voids is occupied by housing program. By this strategy, housing cells get good condition which is beneficial for day lighting and ventilation. To access housing cells, each tenant has to pass through the one of three dimensional voids. In addition, these voids interweave together, so people can move freely vertically and horizontally inside of the building. This new type of high density urban housing will produce new ground not only for cells and but also for the city at the same time.



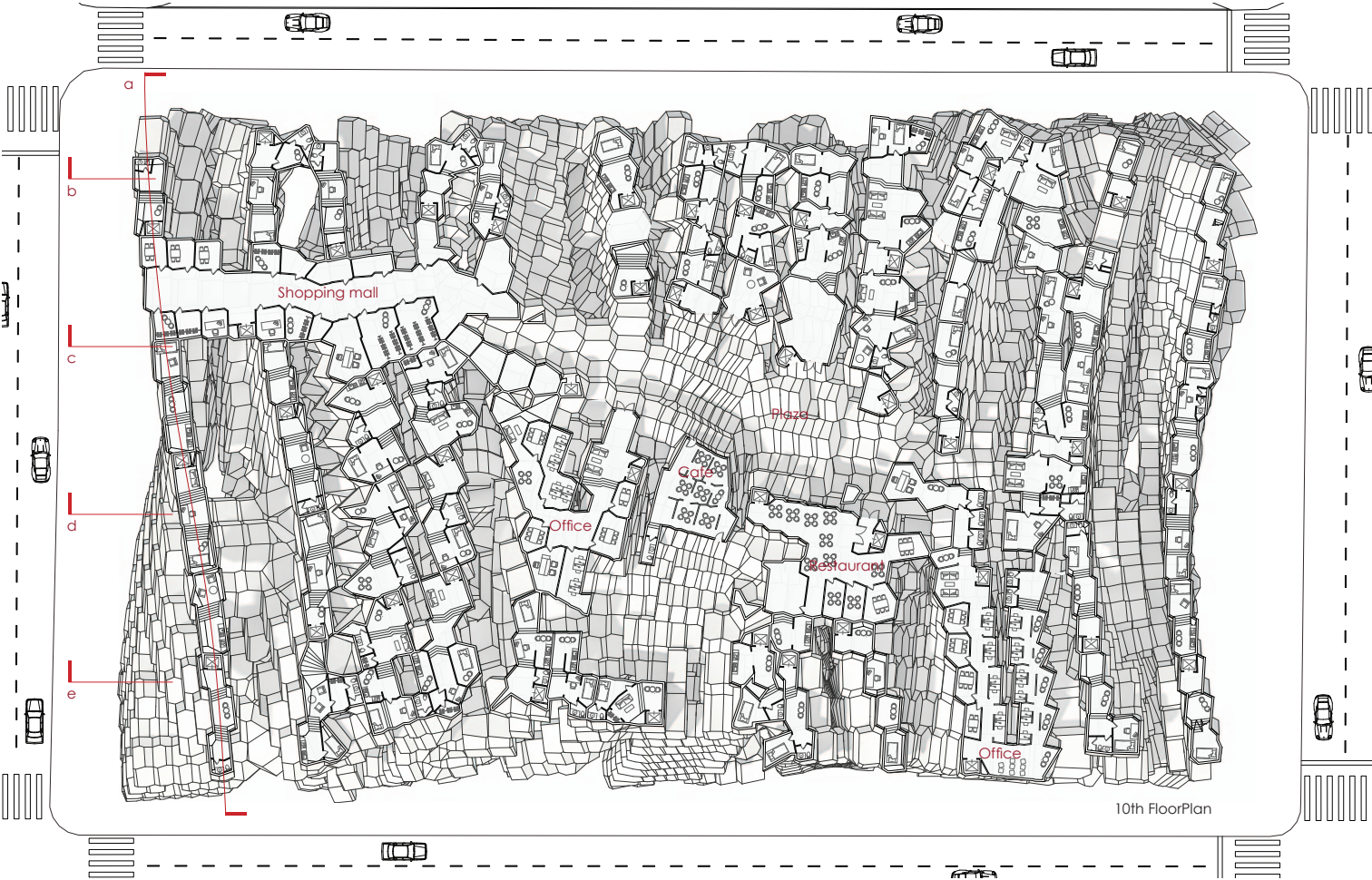
Circulation



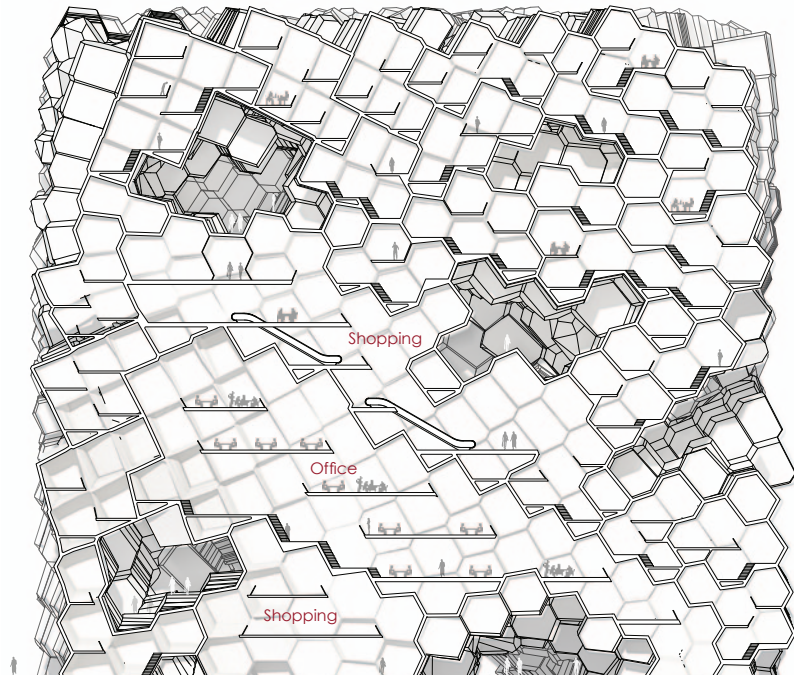
Daylighting



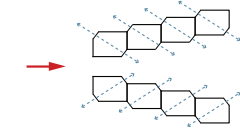
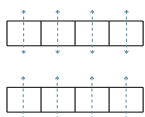
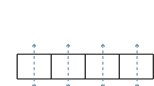
Ventilation



10th FloorPlan



Section a



Principle of Window Formation



Section b



Section c



Section d

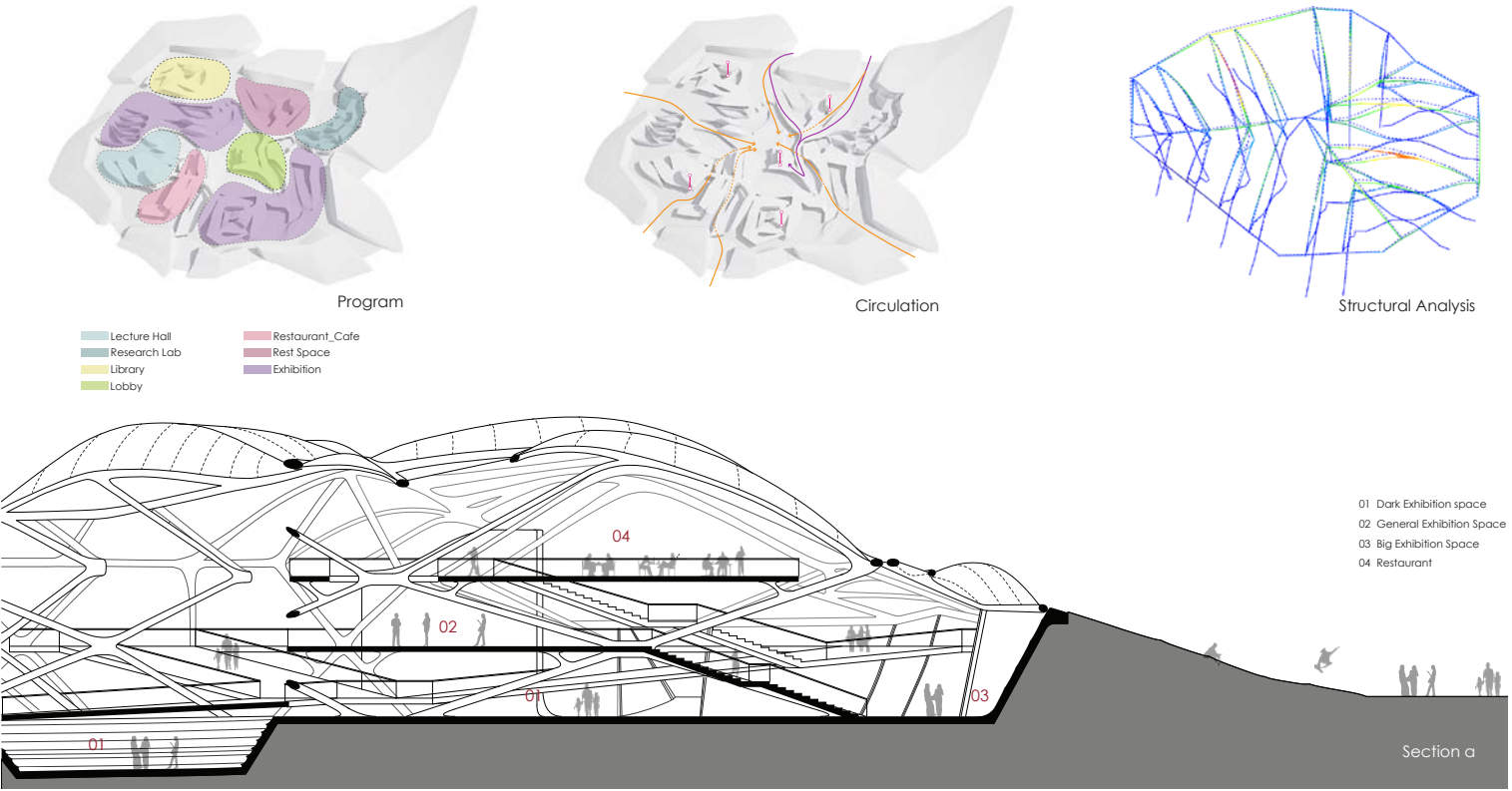
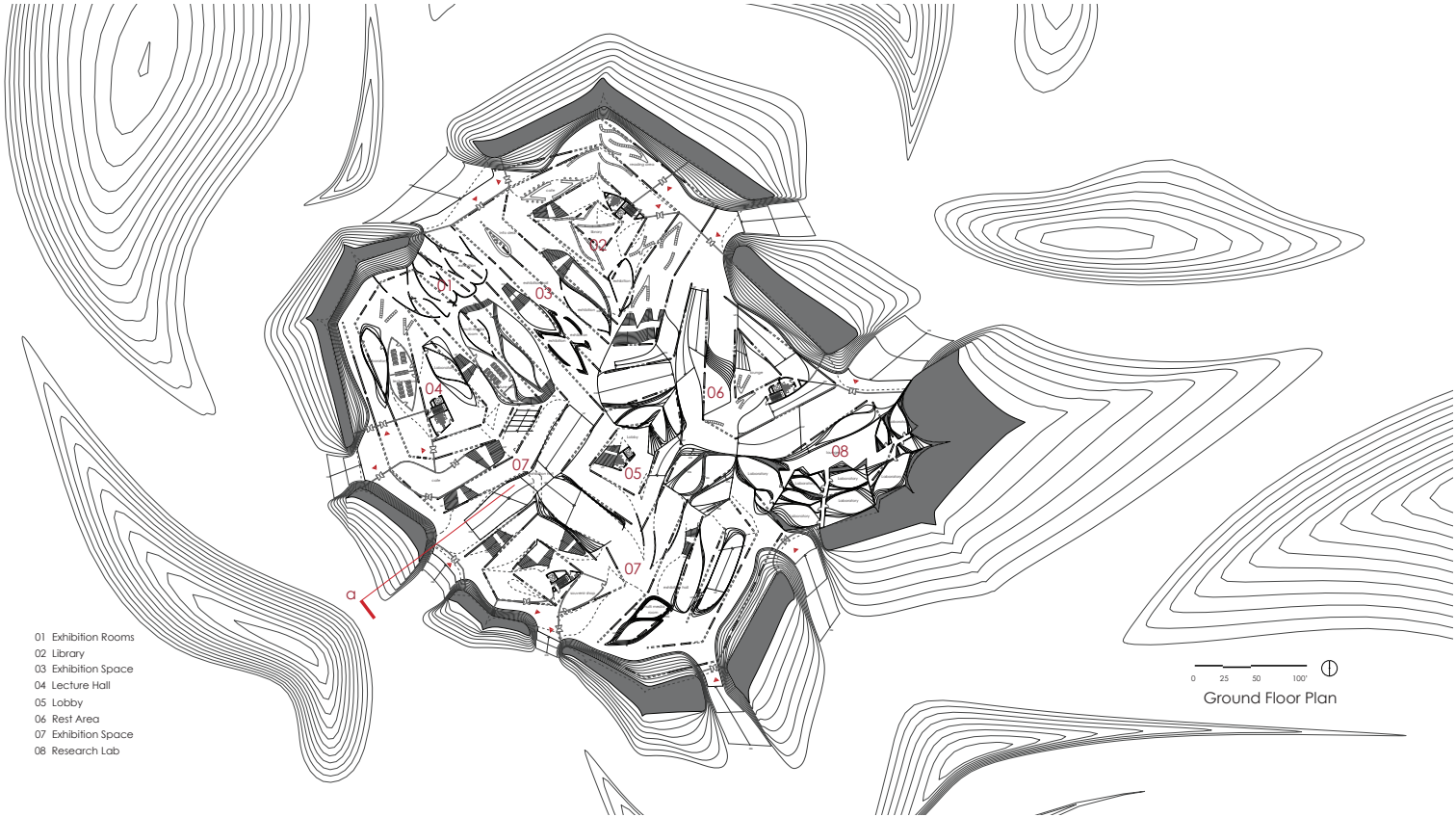
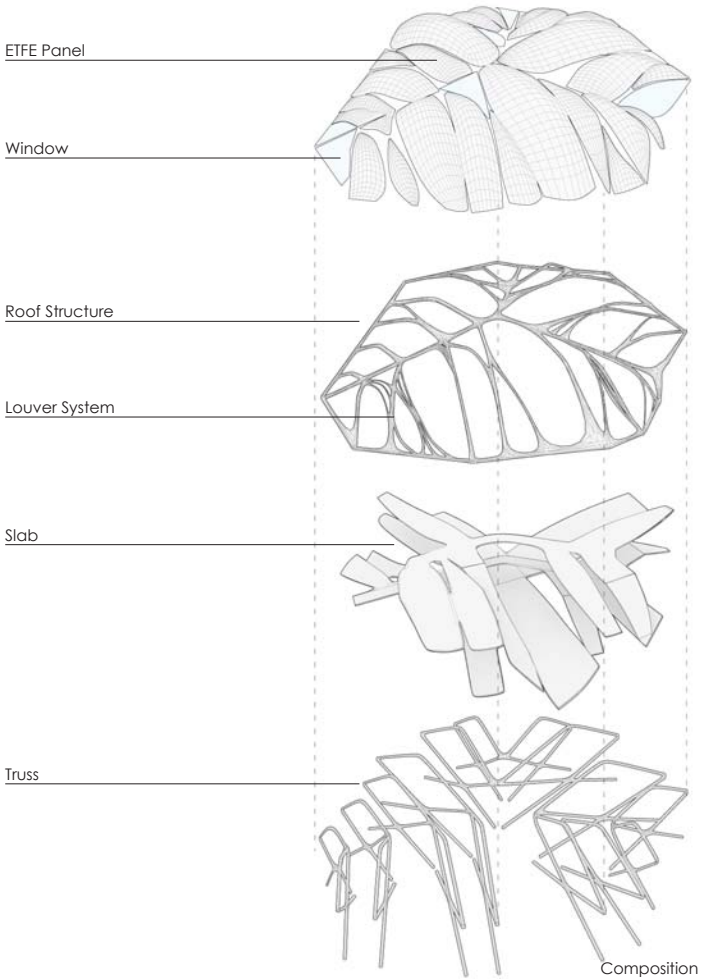


Section e



The formal and spatial language came from the research of geological pattern, Tofoni. Overall, seven cells are organically related and divided into delicate details of the building. The truss protruding from the landscape supports whole building and changes into roof structure and louver and bubble panel.

In the building, two different but similar programs are coexisting, exhibition and museum for geology. The lobby space in the middle is linked with eight entrances like a spider web. Two different programs are organically interweaving and encompass the lobby space. Like an excavation, the visitors can explore the museum of geology and find many exhibitions here and there in the building.

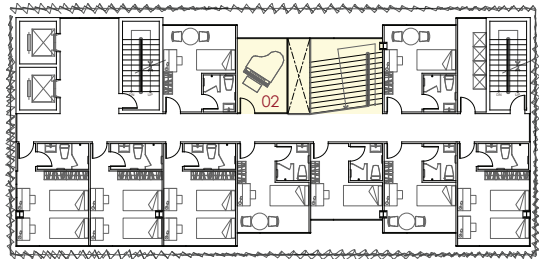




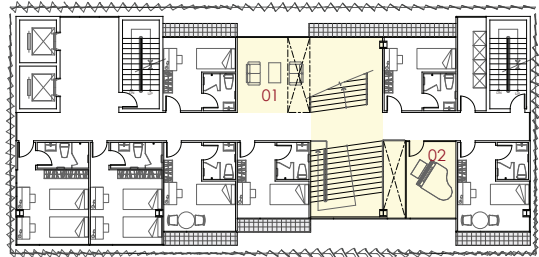
Public Plaza of Entrance



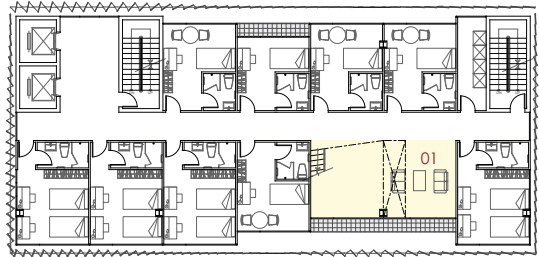
Community Space and Rehearsal Room



5F Plan

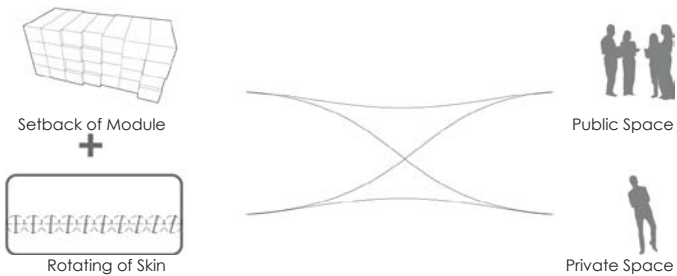


4F Plan



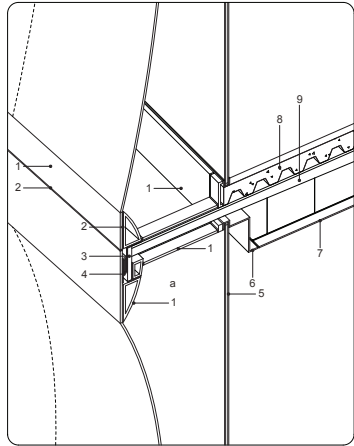
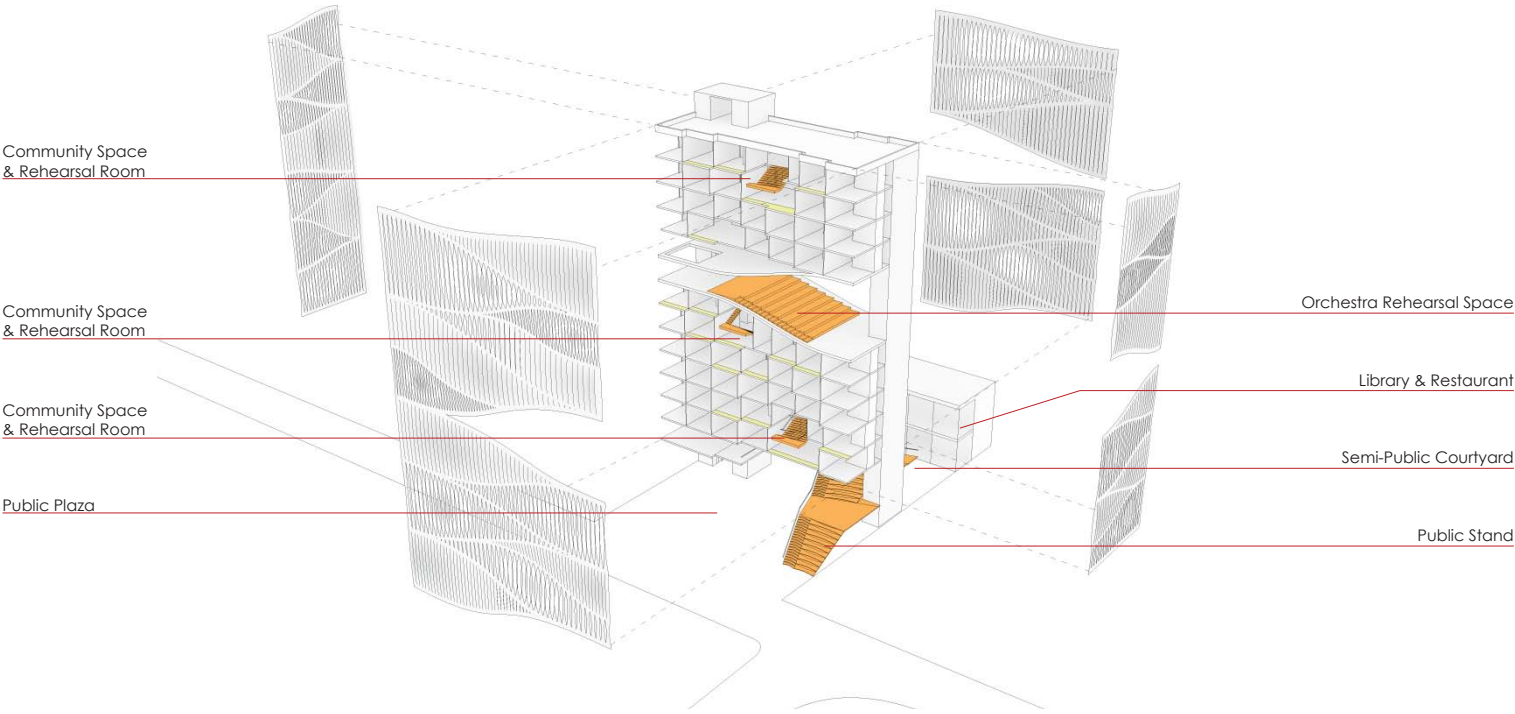
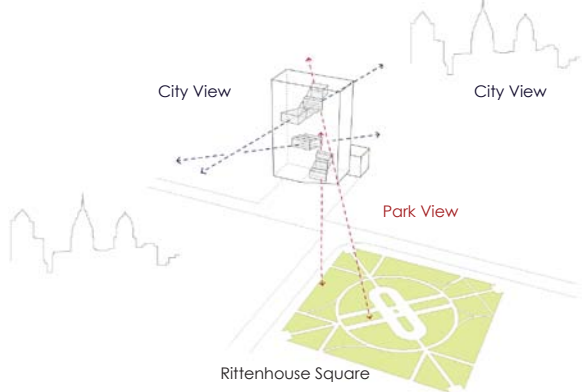
3F Plan

01 Community Space
02 Rehearsal Space

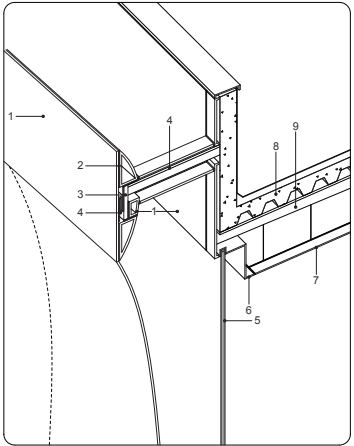


This is a dormitory for Curtis music institute students. The skin of the building is changing rhythmically as a metaphor of the music. The parametrical change of the skin comes from interaction between skin and program. Basically, rotation of the skin component forms view axis of the community space either toward Rittenhouse square or city. The setback of the module is also related to the community space.

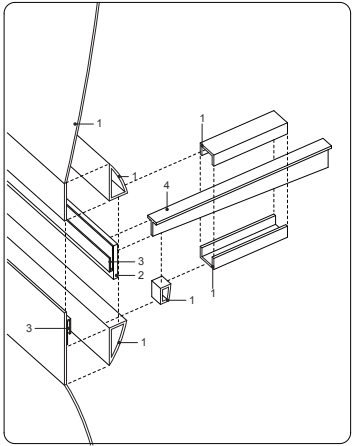
These two operation make various and dynamic effect of the building. The community space is vertically crossing every three floors with rehearsal rooms and rest space. The plaza of the ground floor is expected to promote interaction between Curtis music students and public and the community spaces of every three floors are expected to facilitate the interaction among students.



Typical Skin Detail



Roof floor Skin Detail

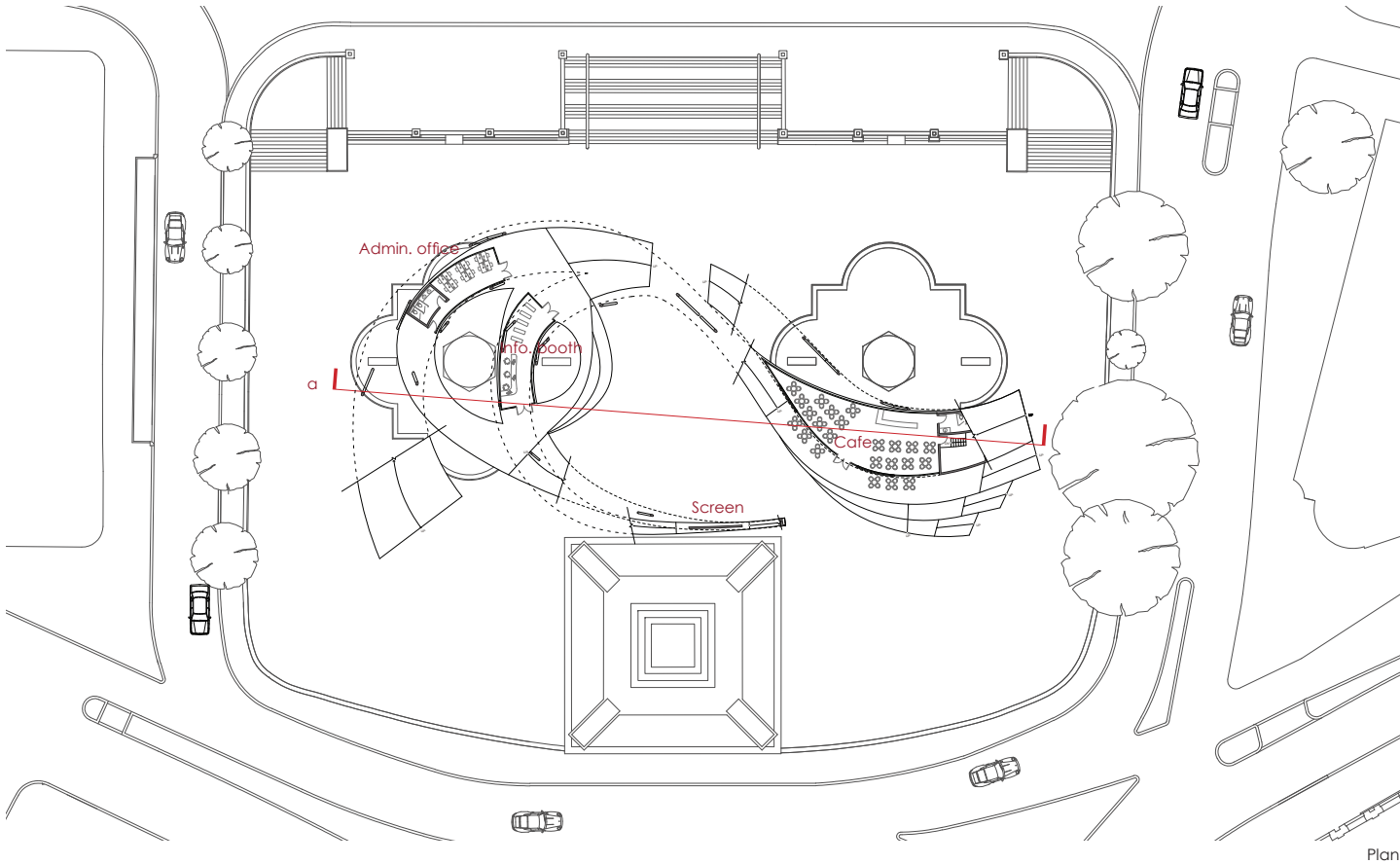
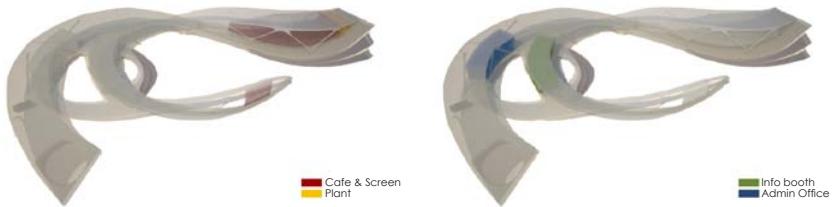
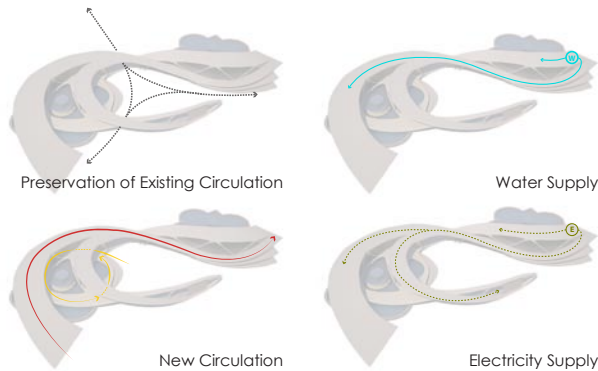
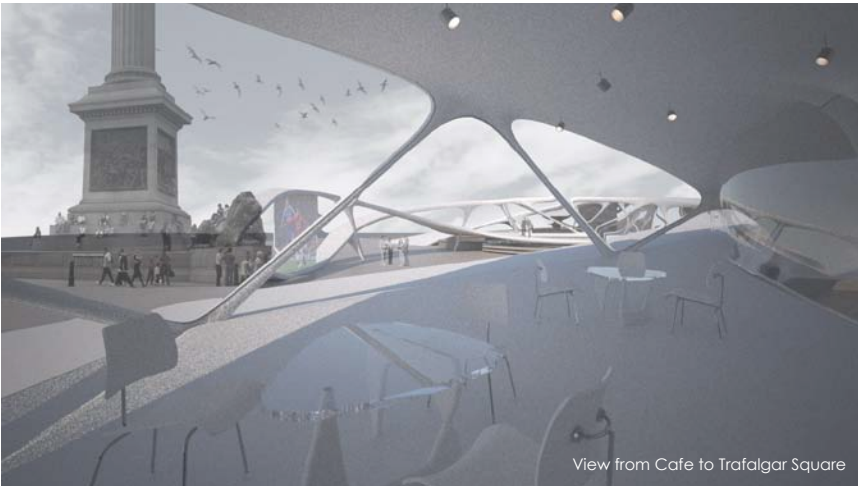
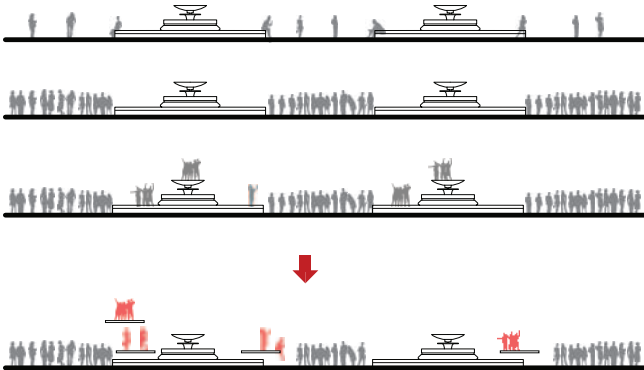


Composition

- Typical and Roof floor Skin Detail
- 1 THK 1/2" Corian Panel
 - 2 Special Adhesive for Corian
 - 3 Steel Plate
 - 4 Steel Clip
 - 5 THK 1" Double Glazing
 - 6 Curtain Box
 - 7 THK 1/4" Corian
 - 8 THK 4" Light Weight Concrete
 - 9 T Section Steel Beam
- Composition
- 1 THK 1/2" Corian Panel
 - 2 Steel Plate
 - 3 Steel Clip
 - 4 T Section Steel Beam



Concept



Trafalgar square turns into huge gathering space when there are special events such as sports game and assembly. In this case, the scenery is quite different from usual scene of Trafalgar square. Innumerable people make spectacular scene and two fountains of square make the only void in the crowded square. However, sometimes excited people occupy these fountains. When their soccer team wins, excited people jump into the fountain in order to celebrate their victory. These unusual behaviors bring fresh and unique experience to people.

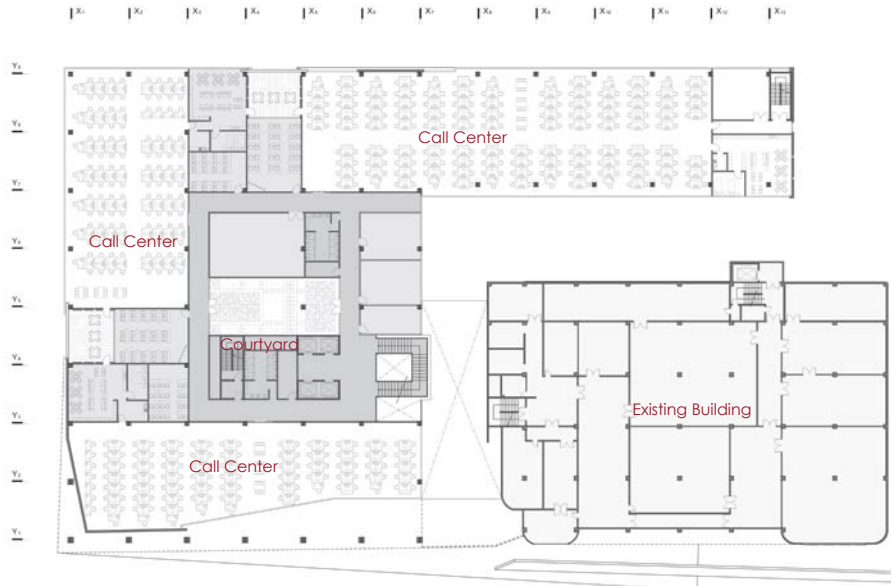
For 2012 London Olympic, 'Information Pavilion' suggests the building that can give unique and fresh experience to people who visit the Trafalgar square. This pavilion will be sat above the two fountains. Therefore, people will have unique experience floating above the water and touching the fountain. The concept of Mobius strip is brought to connect these spaces above the fountain and ground seamlessly. These continuous twisted strips preserve the existing flow of the people and make new landscape at the Trafalgar square. Through the temporary information pavilion, people can find new sense of place of Trafalgar square.



North-West Elevation

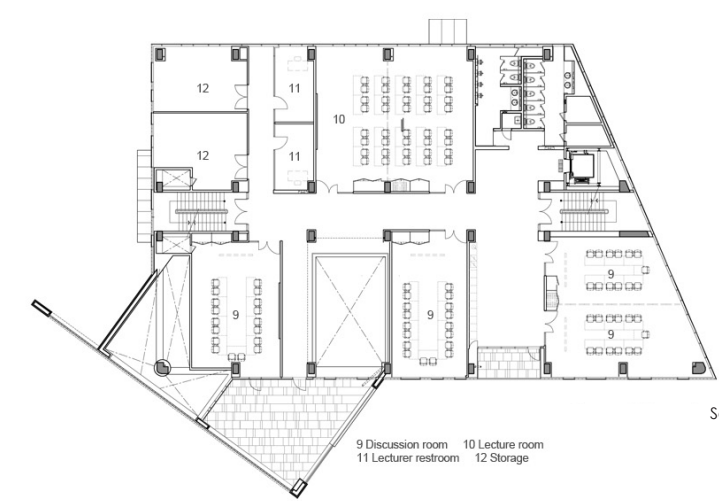
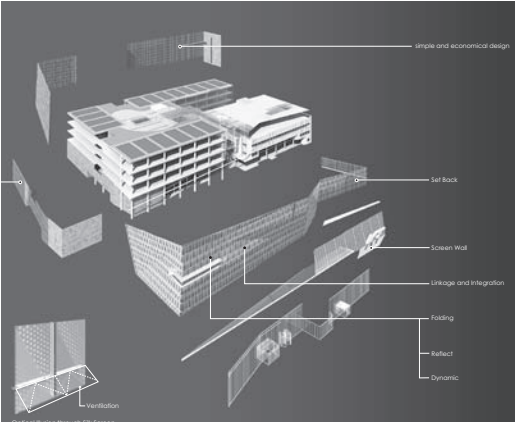


This master plan was for training center for staff. The site is wholly surrounded by beautiful contour of the mountain. We designed the master plan well harmonizing with the mountain. For the first phase, we renovated existing building near entrance. We designed sunken garden for basement floor. Because old basement floor was seriously contaminated by fungus. After introducing sunken garden contaminated basement floor changed into cafeteria with natural sunlight.

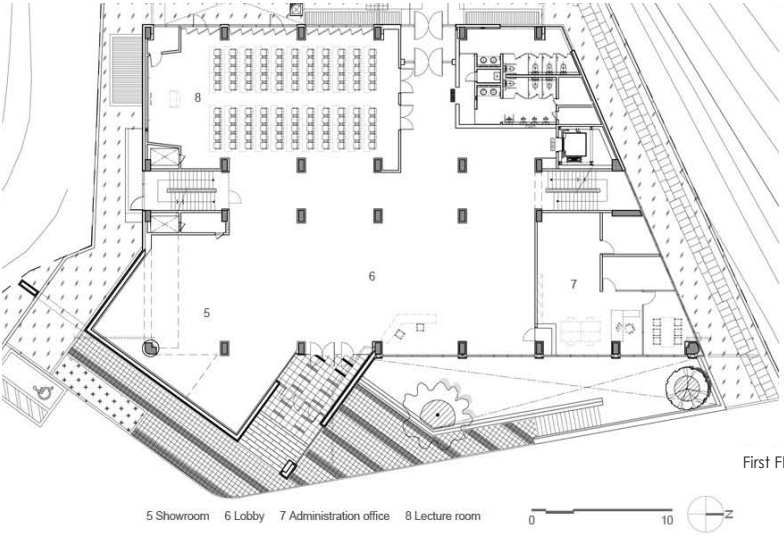


Typical Floor Plan

Main request of client was designing thousands of seats for customer service center staff. The relation ship between existing building and new building was also important design issue. We suggested 'pinwheel' concept. Basically several courtyards divide huge mass for thousands of working spaces. This concept provides not only aesthetic benefit, but also healthy environment to workers by introducing natural light and ventilation.
In terms of relationship between old building, we suggested atrium space to connect two building. This atrium space served as main circulation for both new and old building.



Second Floor Plan



First Floor Plan

