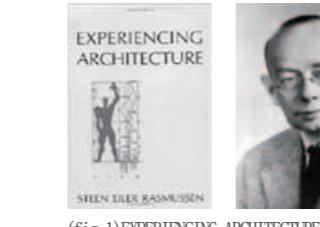


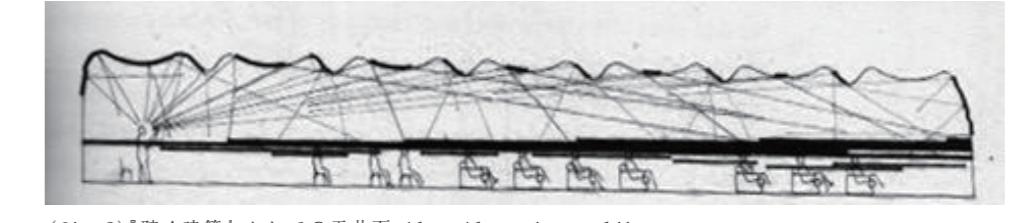
## 感覚の矩形

Architecture for blindness based on study of Scandinavian Architecture

「自ら環境に繰り返し働きかけることによって得られる反応から、必要な情報だけを抽出する認識方法」アフォーダンスを提倡したシェームズ・ギブソンの言葉を借りるなら、環境の中には人間が持つ能力で知覚し得る資質が埋め込まれている。誰もが本来的に共有可能な五感体験を動員することで建築を社会へと開いていった文化圏として北欧が挙げられる。デンマークの建築家、ラスマッセンの著書『経験としての建築』(1957) (fig. 1) では、五感を動員した北欧建築の体験の豊かさが記されている。(fig. 2) こうした「画面にあらわれない豊かさ」を「視覚以外の五感で認知されうる経験としての豊かさ」であると仮定した時、それは目の不自由な祖父の認知にも作用し得る豊かさなのではないだろうか。本提案は実際に北欧建築を実測し、体験を記述することからはじまった。リサーチを背景に目の不自由な祖父のための2つの建築を提案する。



(Fig. 1) EXPERIENCING ARCHITECTURE S.E. Rasmussen (1959)



(Fig. 2) 「聴く建築」としての天井面 Alva Alto vivorg library

1 Analysis drawings

2 Touchable model

3 project\_1

4 project\_2

1	2
3	4

abstract process\_A [case study typology\_1] process\_B [typology\_2 site analysis] project\_1 [concept composition drawings scene] project\_2 [concept composition drawings scene]

### Process A | Study of Scandinavia architecture



#### List of case study

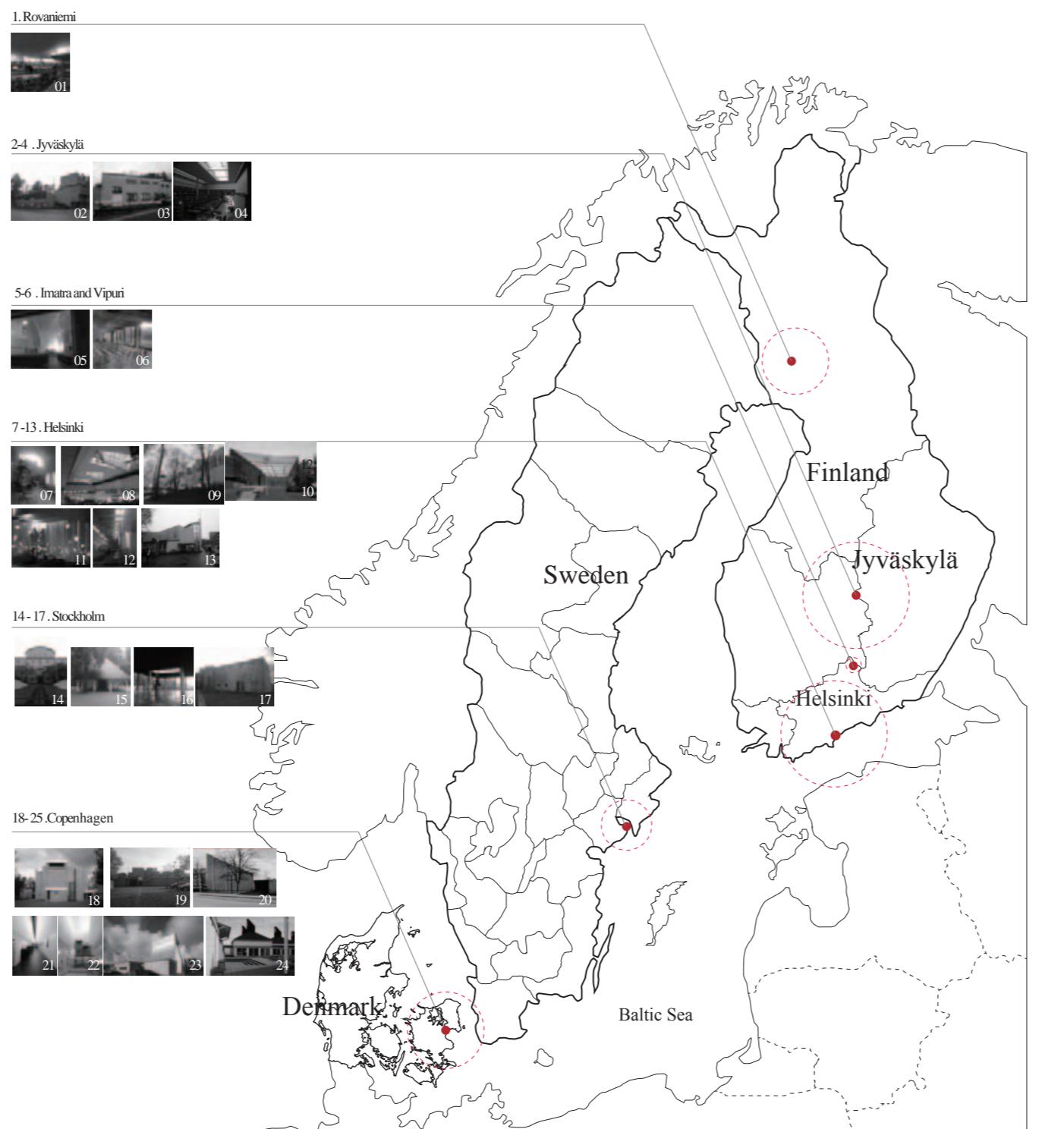
- 01. "Regional Library of Lapland" 1965 / Alvar Aalto
- 02. "Söyätsalo Town Hall" 1949 / Alvar Aalto
- 03. "Alvar Aalto Museum" 1973 / Alvar Aalto
- 04. "University of Jyväskylä" 1951-1971 / Alvar Aalto
- 05. "Church of the Three Crosses" 1958 / Alvar Aalto
- 06. "Vyborg Library" 1918-1940-44 / Alvar Aalto
- 07. "Alvar Aalto Studio" 1954-56 / Alvar Aalto
- 08. "Academic Bookstore" 1969 / Alvar Aalto
- 09. "Finlandia Hall" 1962-1971 / Alvar Aalto
- 10. "Auditorium of Aalto University" 1969-66 / Alvar Aalto
- 11. "Pakilä church" 1950 / Juha Leiviskä
- 12. "Mymäki Church" 1984 / Juha Leiviskä
- 13. " " 1991 / Juha Leiviskä
- 14. "Stockholm Public Library" / Gunnar Asplund
- 15. "Skogskyrkogården church" / Gunnar Asplund
- 16. "Skogskyrkogården cemetery" / Gunnar Asplund
- 17. "Church of St. Mark" 1956 / Sigurd Lewerentz
- 18. "Stavroskolt church" 1981 / Johann Otto von Spreckelsen
- 19. "Vangede church" / Johann Otto von Spreckelsen
- 20. "St. Nicola church" / Johann Otto von Spreckelsen
- 21. "Bagværen Church" 1968 / Jørn Utzon
- 22. "Thorvaldsens Museum" 1848 / Gottlieb Bindesbøll
- 23. "Utzon Center" 2005 / Jørn Utzon
- 24. "Stigen Odde Nature Center" 1988 / Jørn Utzon

■term: 9 Sep 2014 - 28 Nov 2014

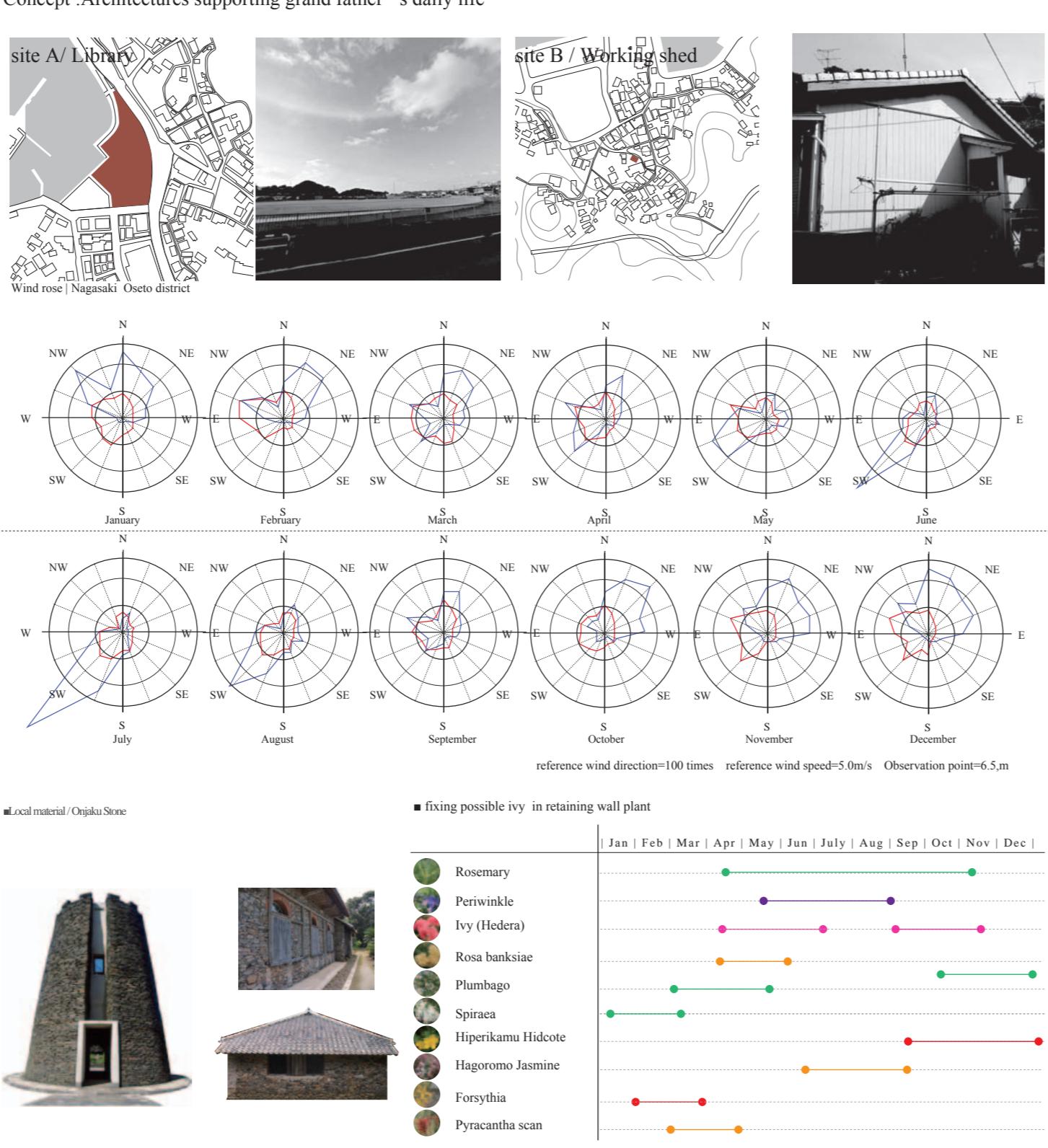
■study methods: Sketching with module /Describing phenomenal effects / Mapping shadow distribution

■study areas: Denmark (Copenhagen) / Finland (Helsinki, Rovaniemi, Jyväskylä, Imatra) / Sweden (Stockholm) / 3 countries , 6 cities

■study objects: 27 works and 98 spaces are as stated figure with location



### Concept : Architectures supporting grand father's daily life



abstract process\_A [case study typology\_1] process\_B [typology\_2 site analysis] project\_1 [concept composition drawings scene] project\_2 [concept composition drawings scene]

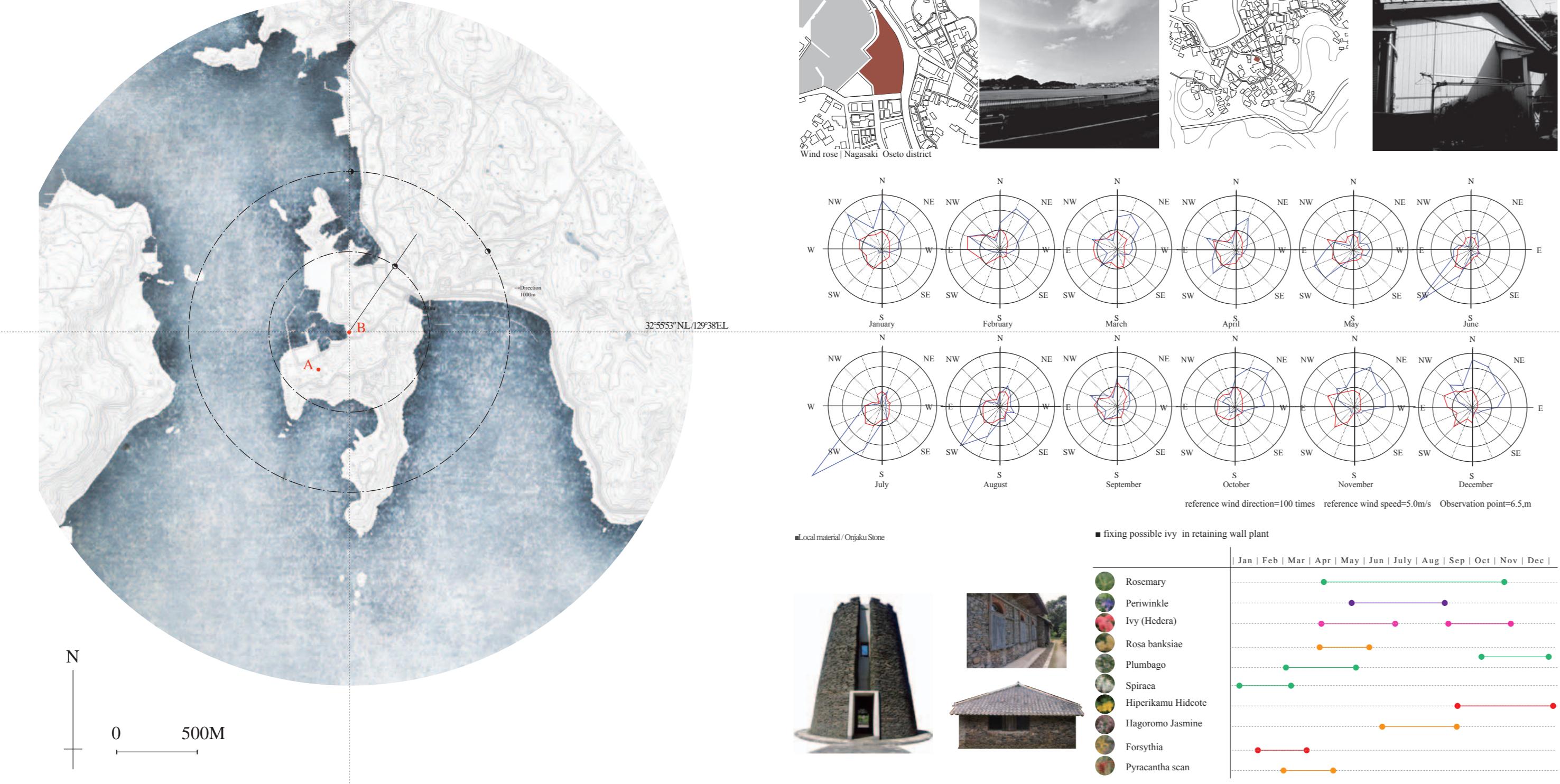
Building name Year Architect	floor_picture analysis	wall_picture analysis	roof_picture analysis	picture	08 Maison Louis Carré 1956 Alvar Aalto	09 Finnlanda Hall 1962-1971 Alvar Aalto	10 Auditorium of Aalto University 1949-66 Alvar Aalto	11 Palö church 1959 Juha Leiviskä	12 Mymäki Church 1984 Juha Leiviskä	13 Church of the Three Crosses 1958 Alvar Aalto	14 Palmio sanatorium 1959 Juha Leiviskä	15 Stockholm Public Library 1928 Gunnar Asplund	16 Church of St. Mark 1956 Sigurd Lewerentz
Building name Year Architect	plansection	plansection	plansection										
Region Library of Lapland 1965 Alvar Aalto													
01. "Söyätsalo Town Hall" 1949 / Alvar Aalto													
02. "Alvar Aalto Museum" 1973 / Alvar Aalto													
03. "University of Jyväskylä" 1951-1971 / Alvar Aalto													
04. "Church of the Three Crosses" 1958 / Alvar Aalto													
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10. "Pakilä church" 1950 / Juha Leiviskä													
11. "Mymäki Church" 1984 / Juha Leiviskä													
12. "University of Jyväskylä" 1951-1971 / Alvar Aalto													
13. "Church of the Three Crosses" 1958 / Alvar Aalto													
14. "Vyborg Library" 1918-1940-44 / Alvar Aalto													
15. "Alvar Aalto Studio" 1954-56 / Alvar Aalto													
16. "Stavroskolt church" 1981 / Johann Otto von Spreckelsen													
17. "Auditorium of Aalto University" 1949-66 / Alvar Aalto													
18. "Kirkkilahti Castle" 1972-1992 / Jokumäki ezer													
19. "Tropical museum" 1969 / Johann Otto von Spreckelsen													
20. "Bogværen Church" 1968 / Jørn Utzon													
21. "Bogværen Church" 1968 / Jørn Utzon													
22. "Thorvaldsens Museum" 1848 / Gottlieb Bindesbøll													
23. "Utzon Center" 2005 / Jørn Utzon													
24. "Stigen Odde Nature Center" 1988 / Jørn Utzon													

►Results / 5 principles of unseen richness

- 1.High side light (sense of light)
- 2.Free ceiling (sense of hearing)
- 3.Free texture (sense of touch)
- 4.horizontal wall (accessibility)
- 5.Partial garden (sense of smell,touch)

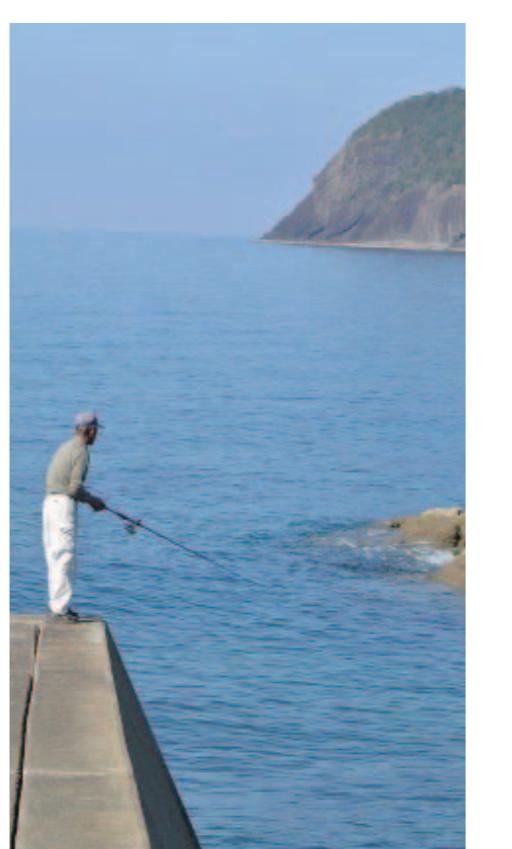
abstract process\_A [case study typology\_1] process\_B [typology\_2 site analysis] project\_1 [concept composition drawings scene] project\_2 [concept composition drawings scene]

### Site | Nagasaki Oseto district

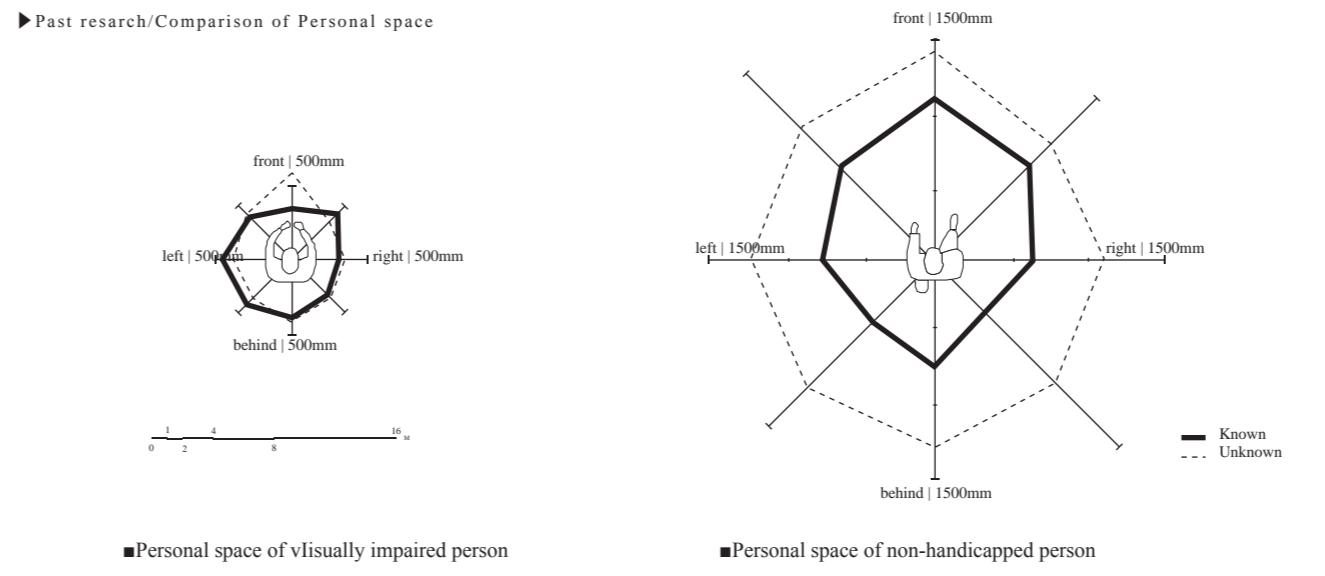


abstract process\_A [case study typology\_1] process\_B [typology\_2 site analysis] project\_1 [concept composition drawings scene] project\_2 [concept composition drawings scene]

### Process B | Perception of blind

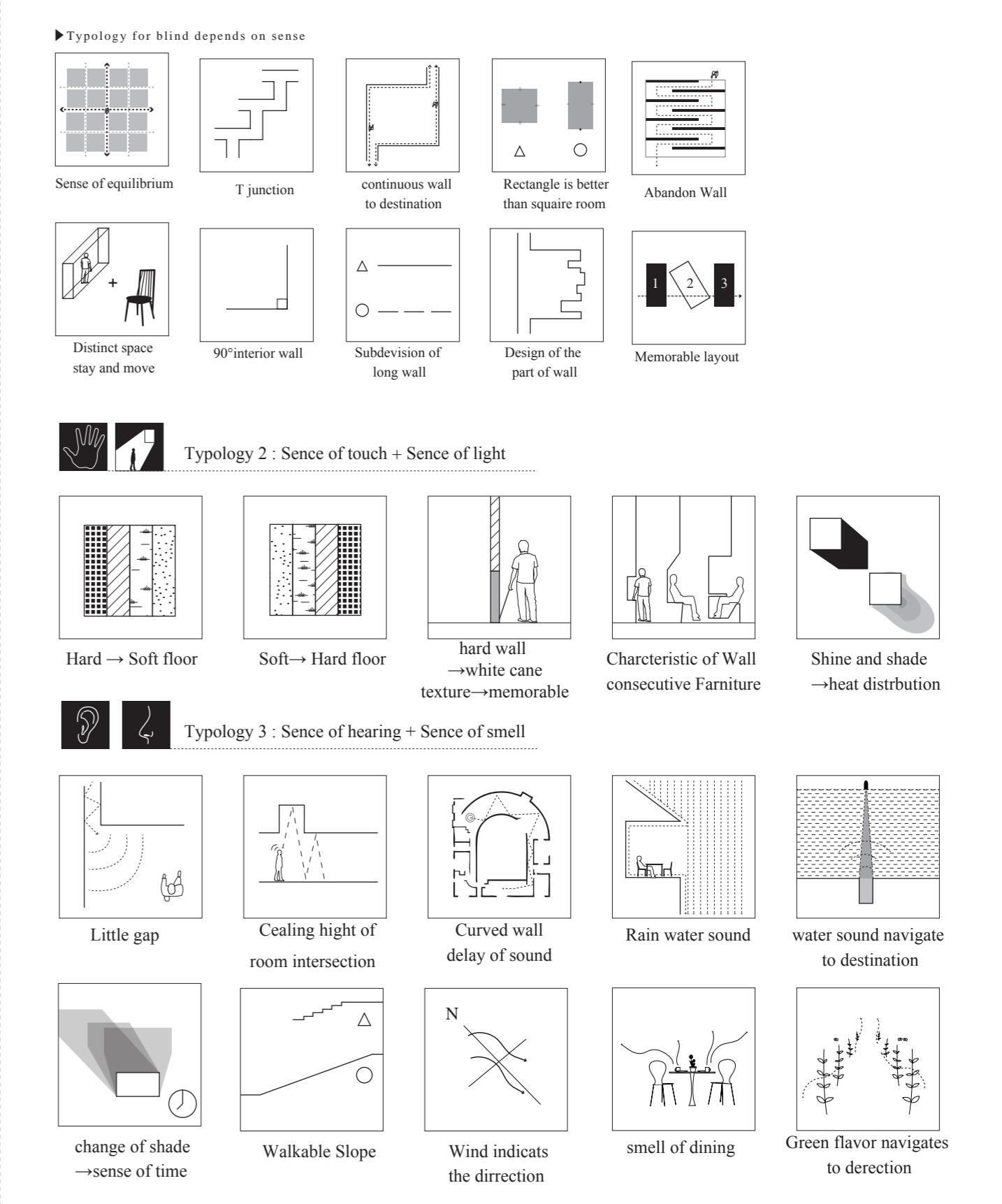


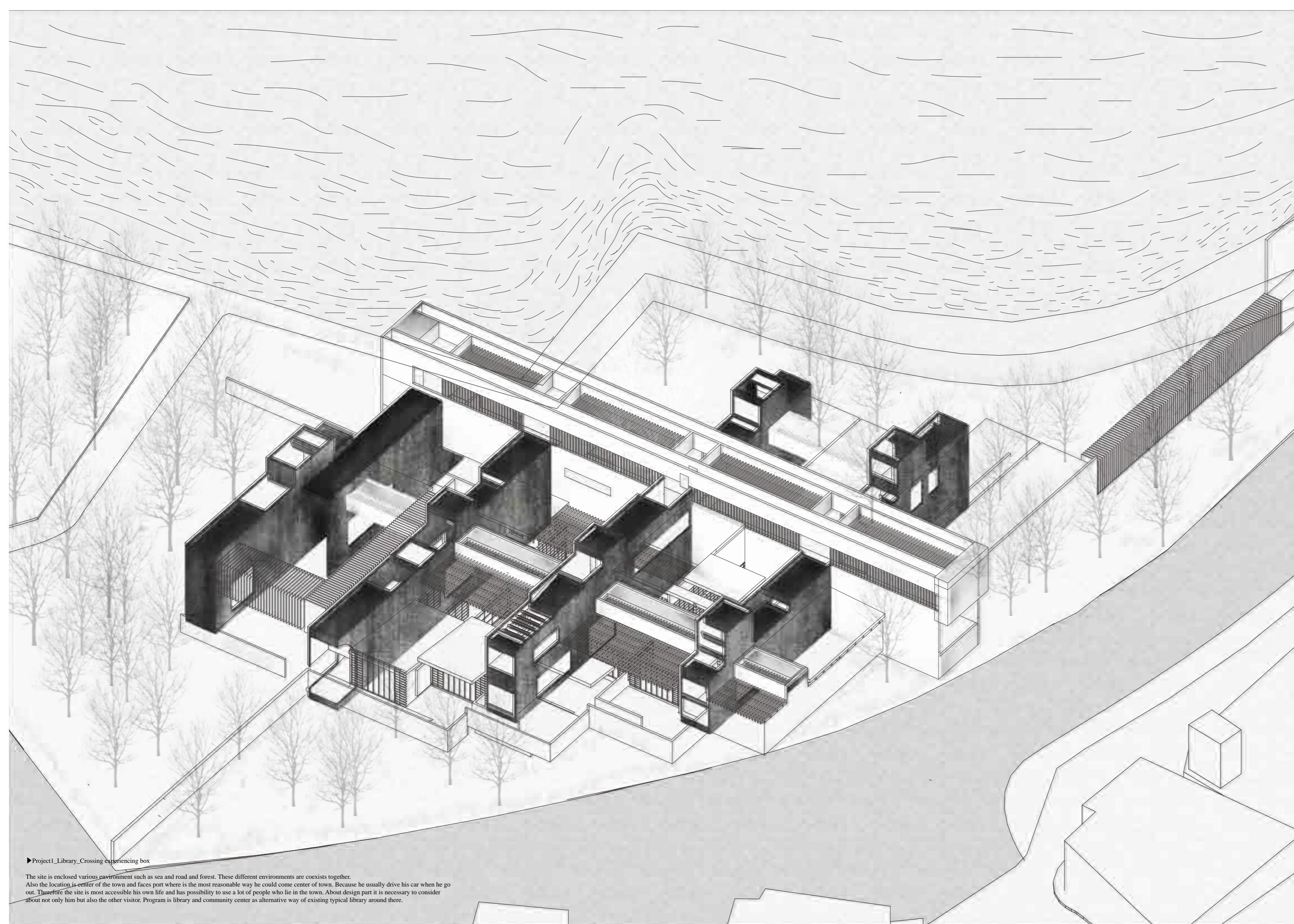
#### Past research/Comparison of Personal space



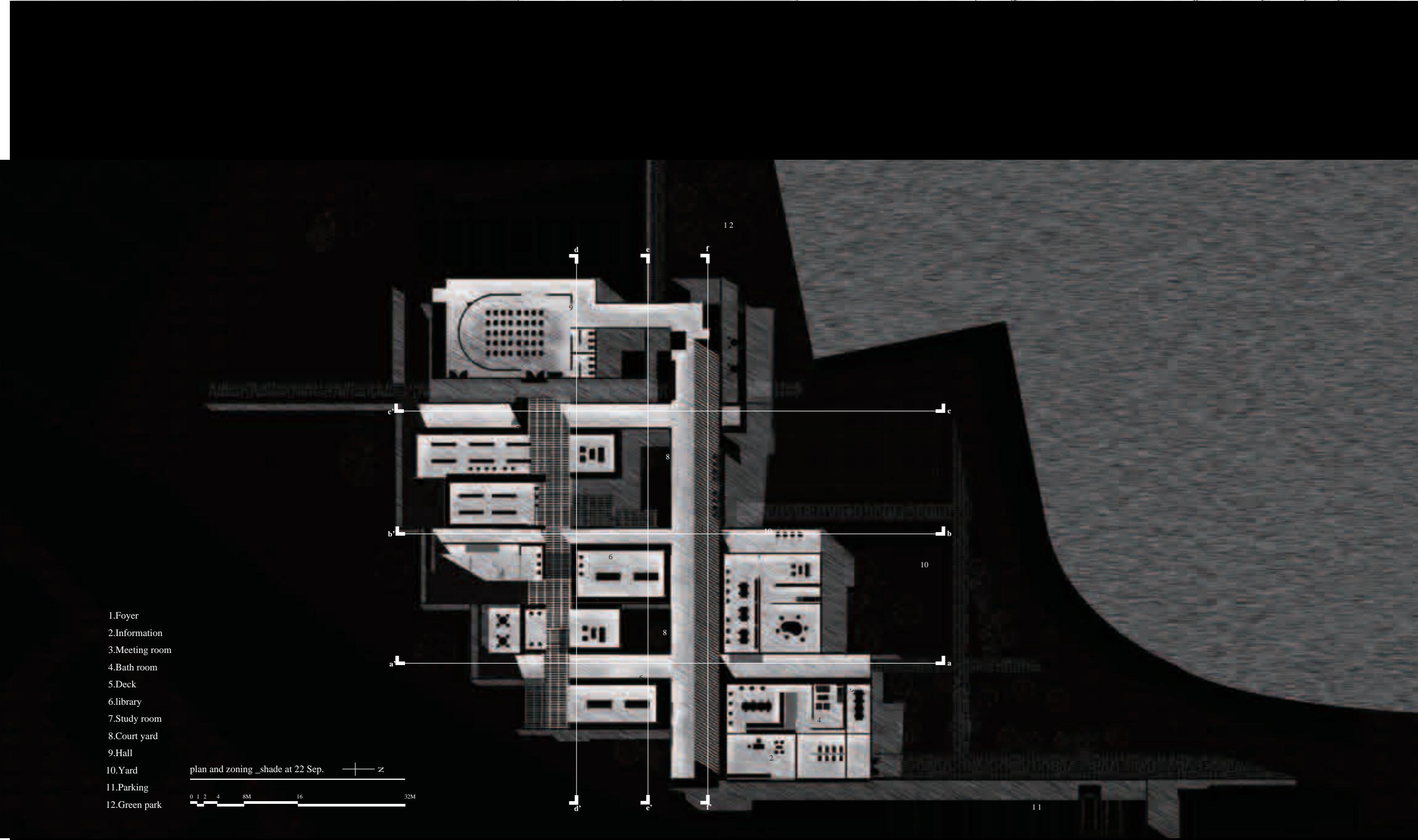
#### Personal space of visually impaired person

#### Personal space of non-handicapped person



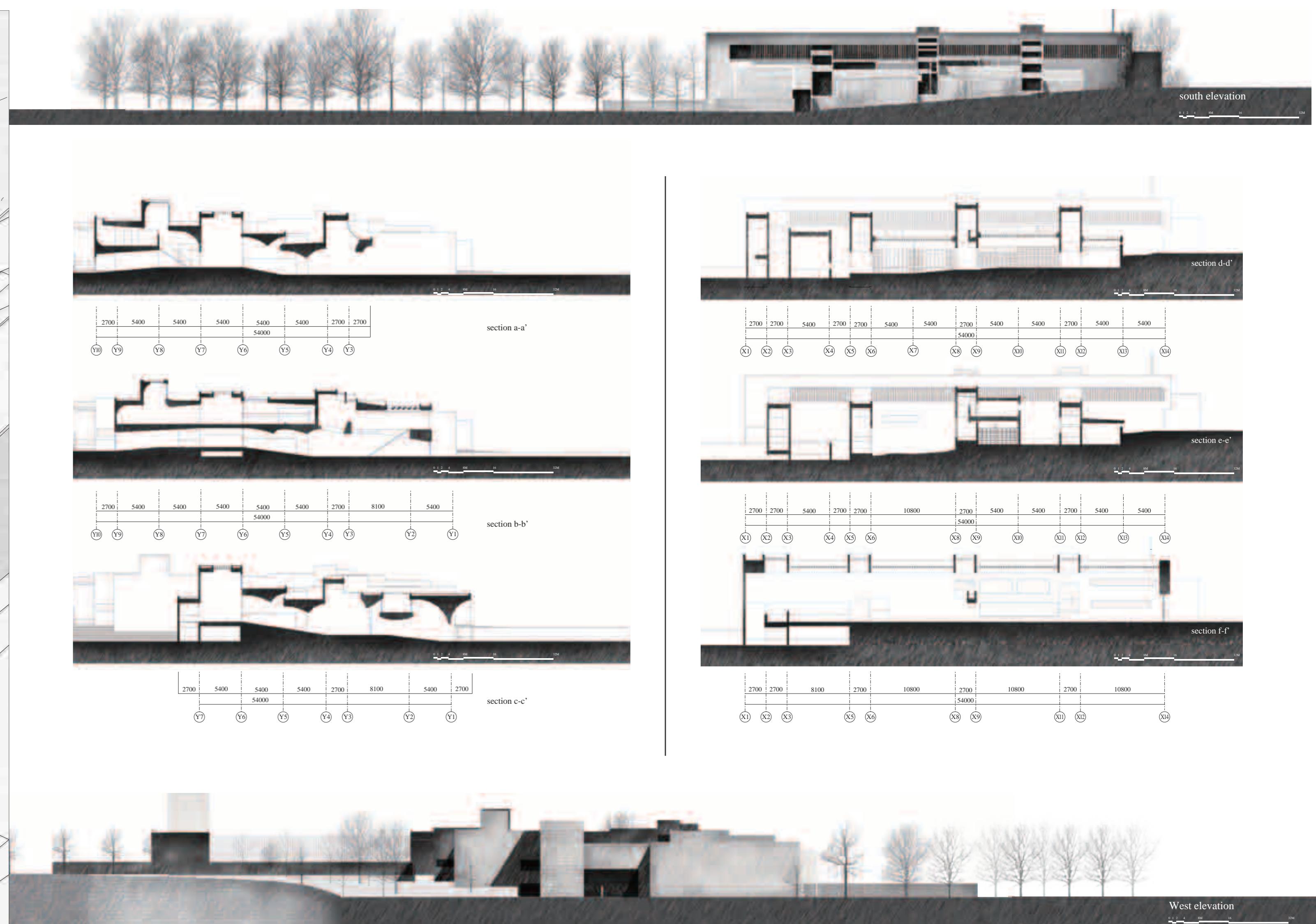


►Project Library\_Crossing experiencing box  
The site is enclosed various pavement such as sea and road and forest. These different environments are coexist together.  
Also the location is center of the town and faces port where is the most reasonable way he could come center of town. Because he usually drive his car when he go out. Therefore the site is most accessible his own life and has possibility to use a lot of people who lie in the town. About design part it is necessary to consider about not only him but also the other visitor. Program is library and community center as alternative way of existing typical library around there.

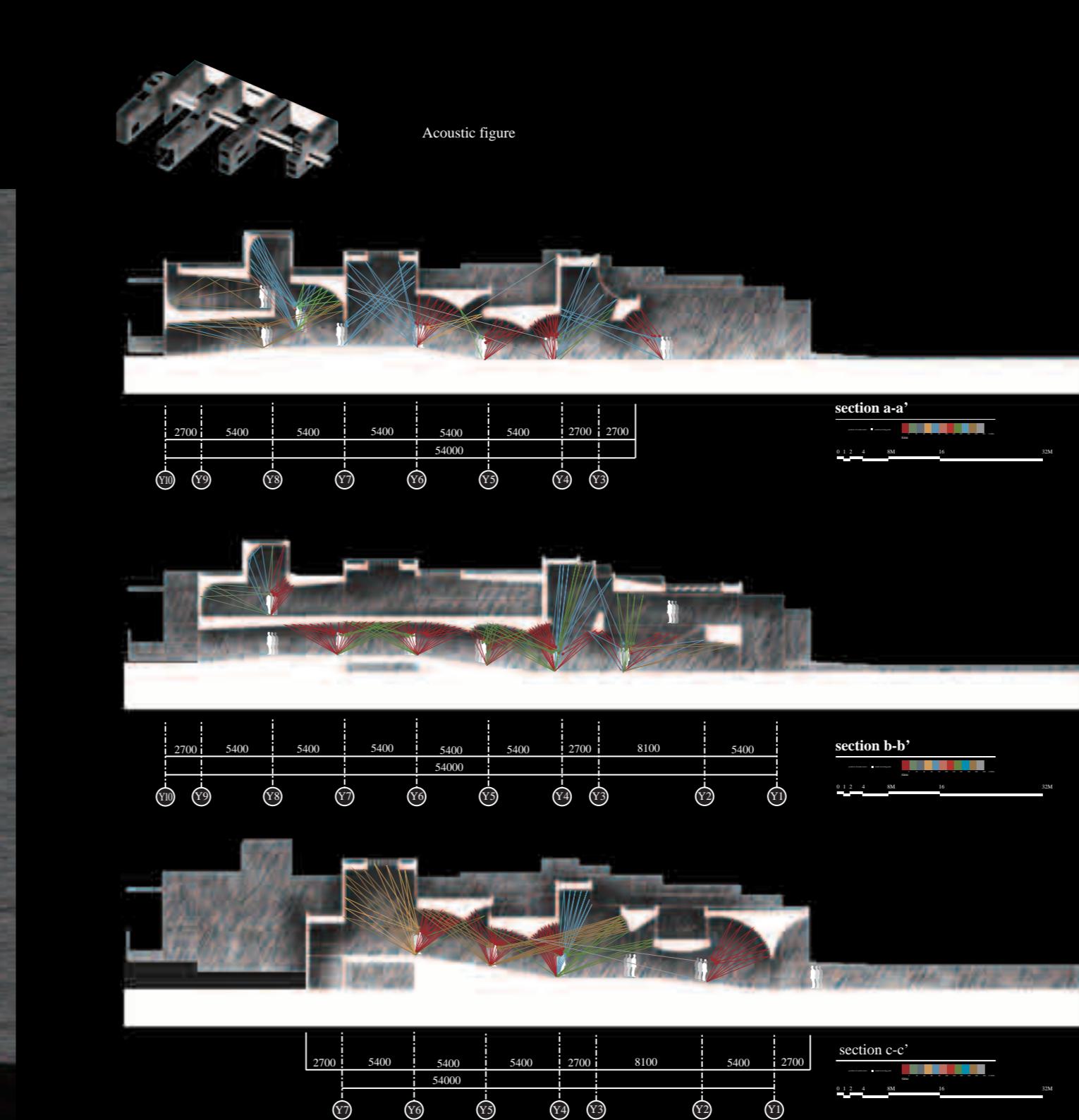


1.Foyer  
2.Information  
3.Meeting room  
4.Bath room  
5.Deck  
6.library  
7.Study room  
8.Court yard  
9.Hall  
10.Yard  
11.Parking  
12.Green park

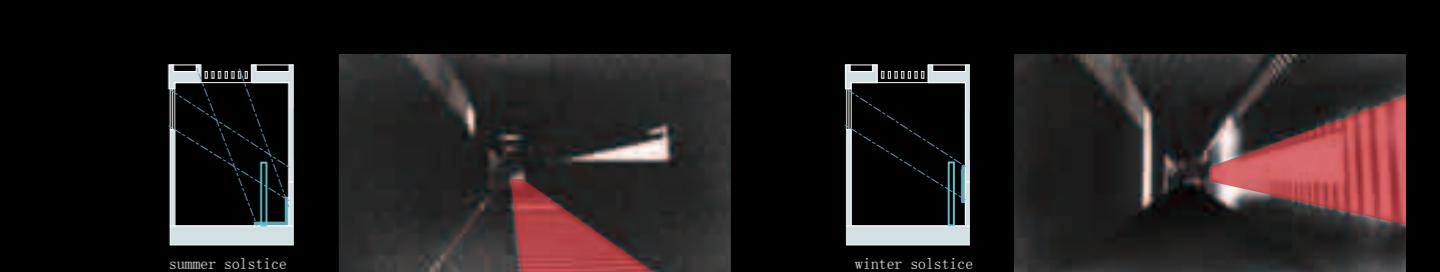
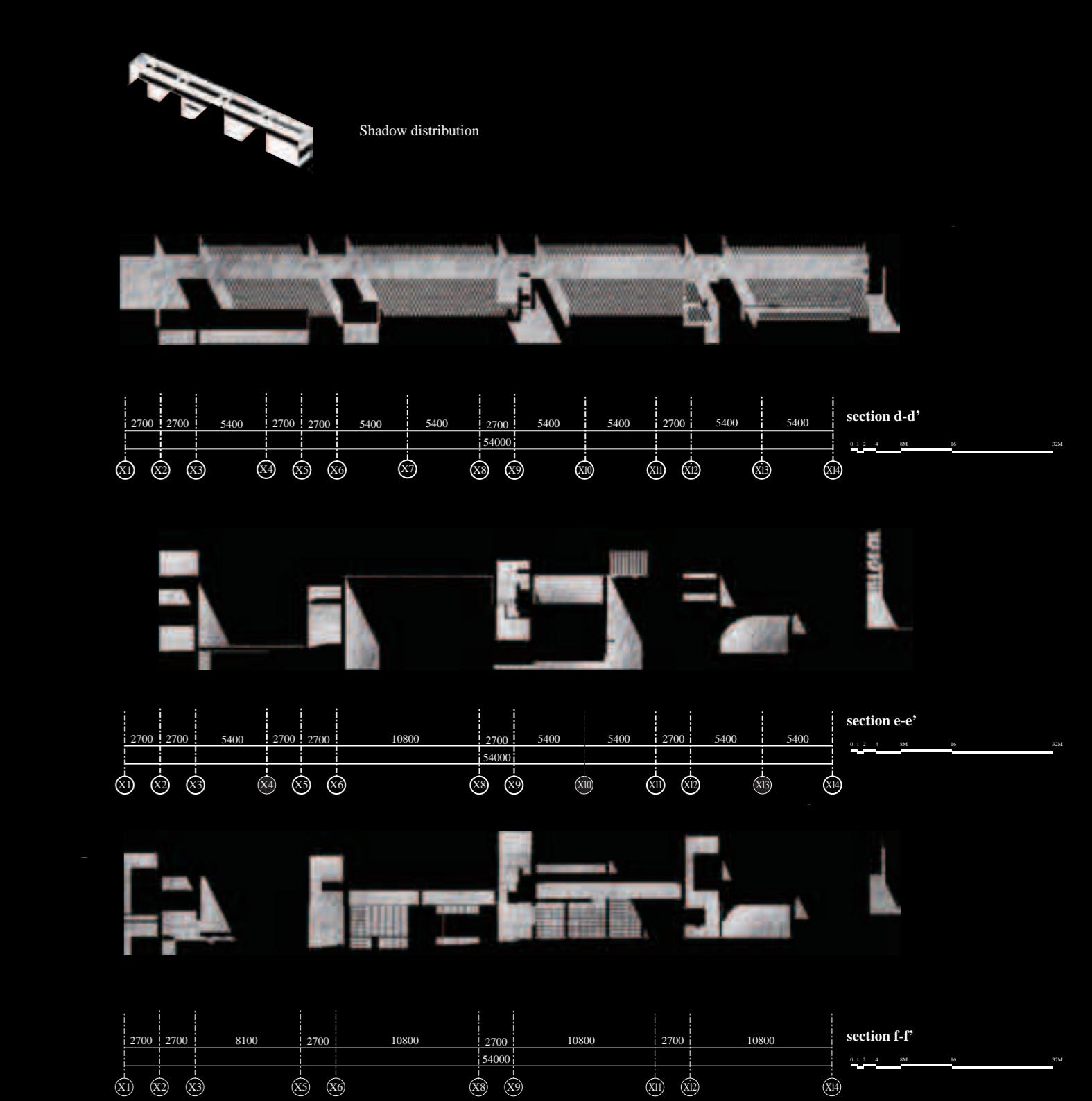
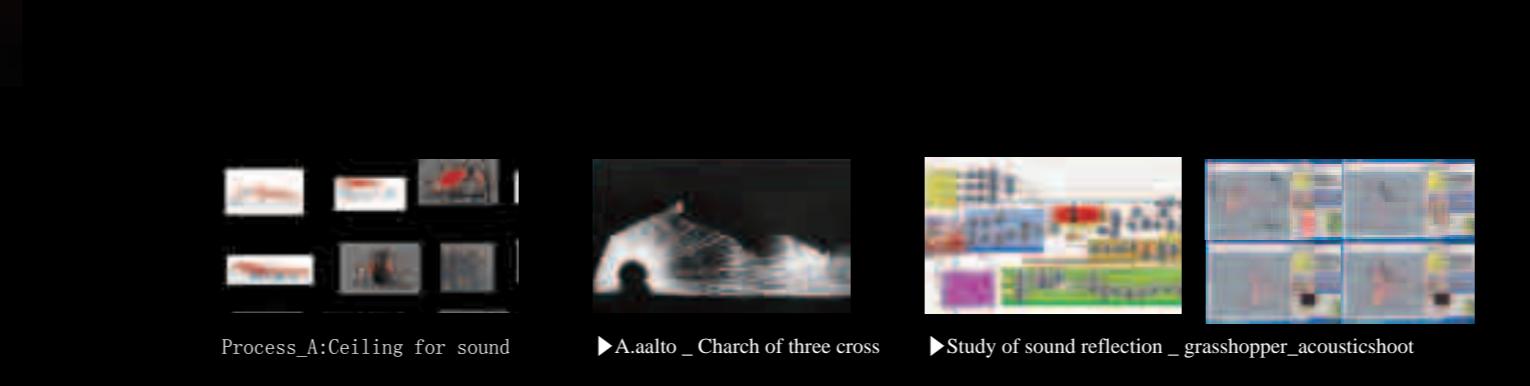
plan and zoning shade at 22 Sep. 0 2 4 6 8 10 12 14 16 18 20 22M

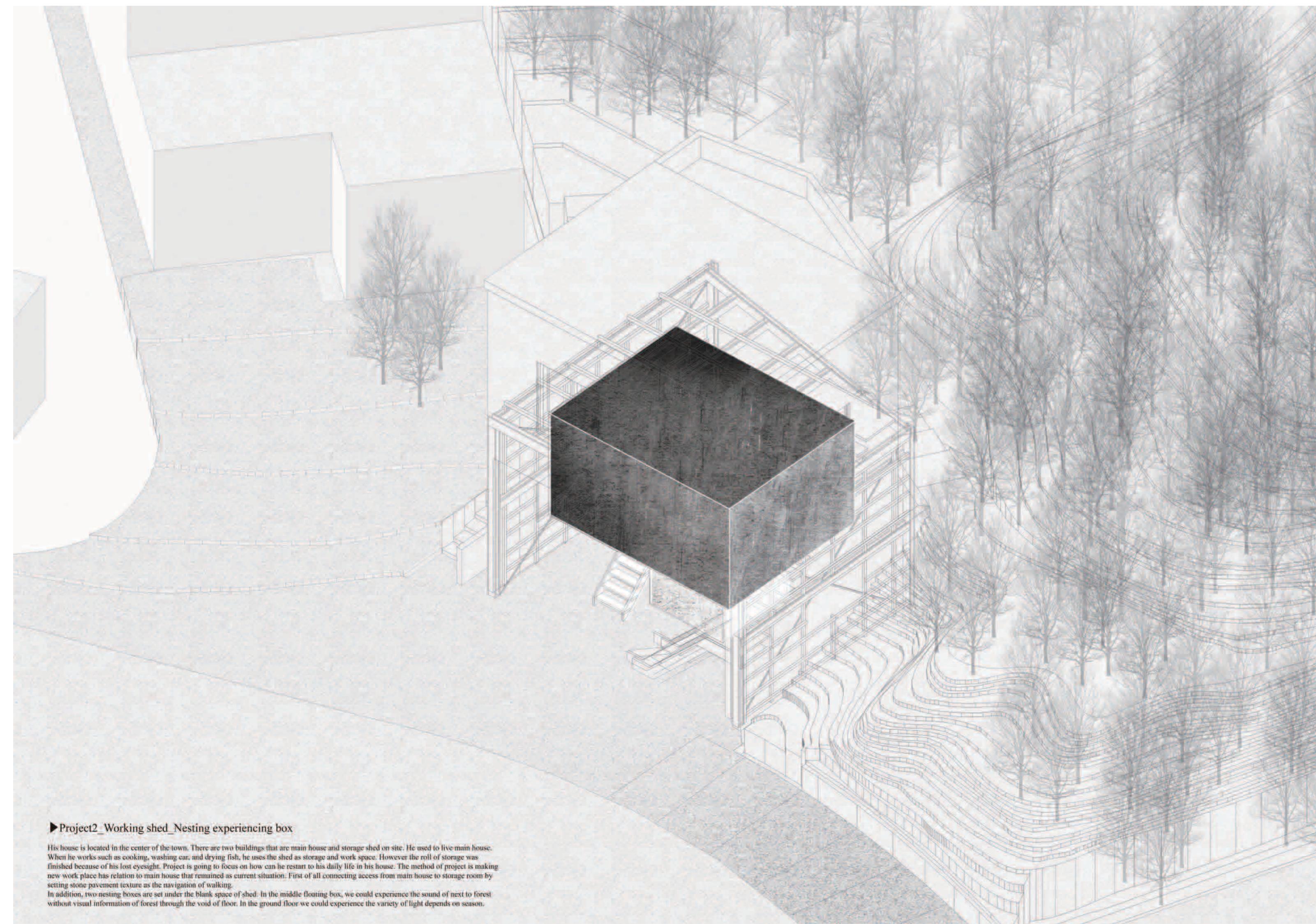


West elevation



Acoustic Figure





### ►Project2 Working shed Nesting experiencing box

This house is located in the center of the town. There are two buildings that are main house and storage shed on site. He used to live main house. When he works such as cooking, washing car, and drying fish, he uses the shed as storage and work space. However the roof of storage was finished because of his lost eyesight. Project is going to focus on how can he return to his daily life in his house. The method of project is making new work place has relation to main house that remained as current situation. First of all connecting access from main house to storage room by setting stone pavement texture as the navigation of walking.

In addition, nesting boxes are set in the void space of shed. In the middle floating box, we could experience the sound of nest to forest without visual information of forest through the void of floor. In the ground floor we could experience the variety of light depends on season.

