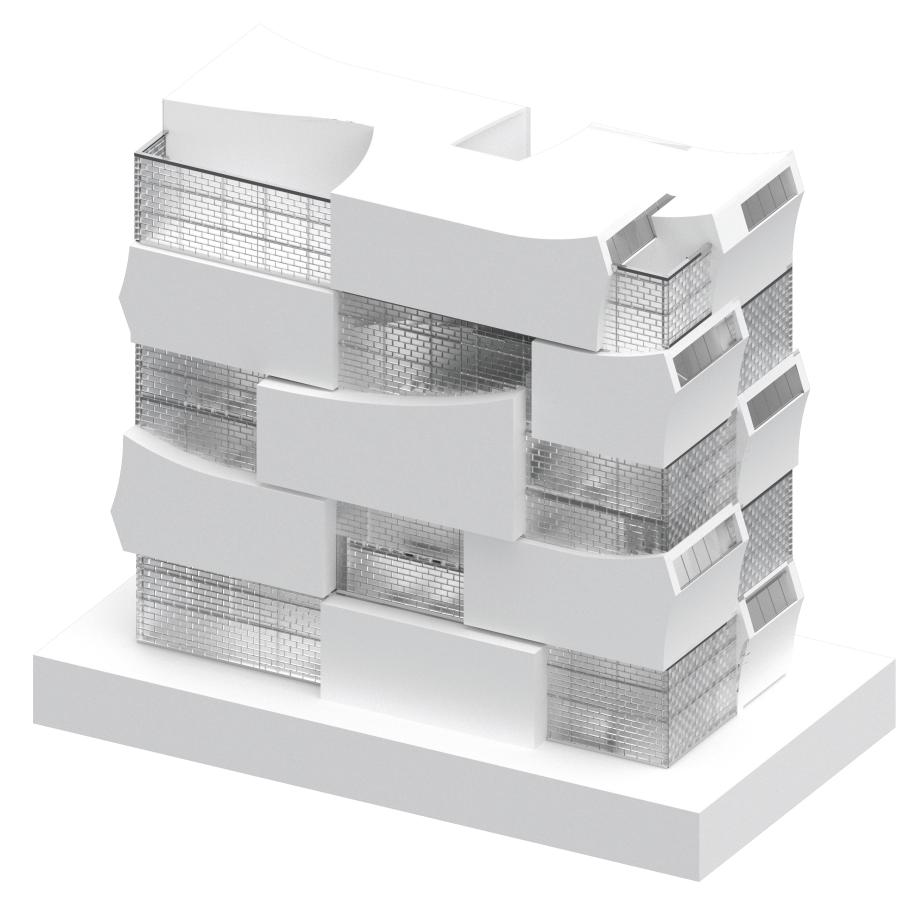
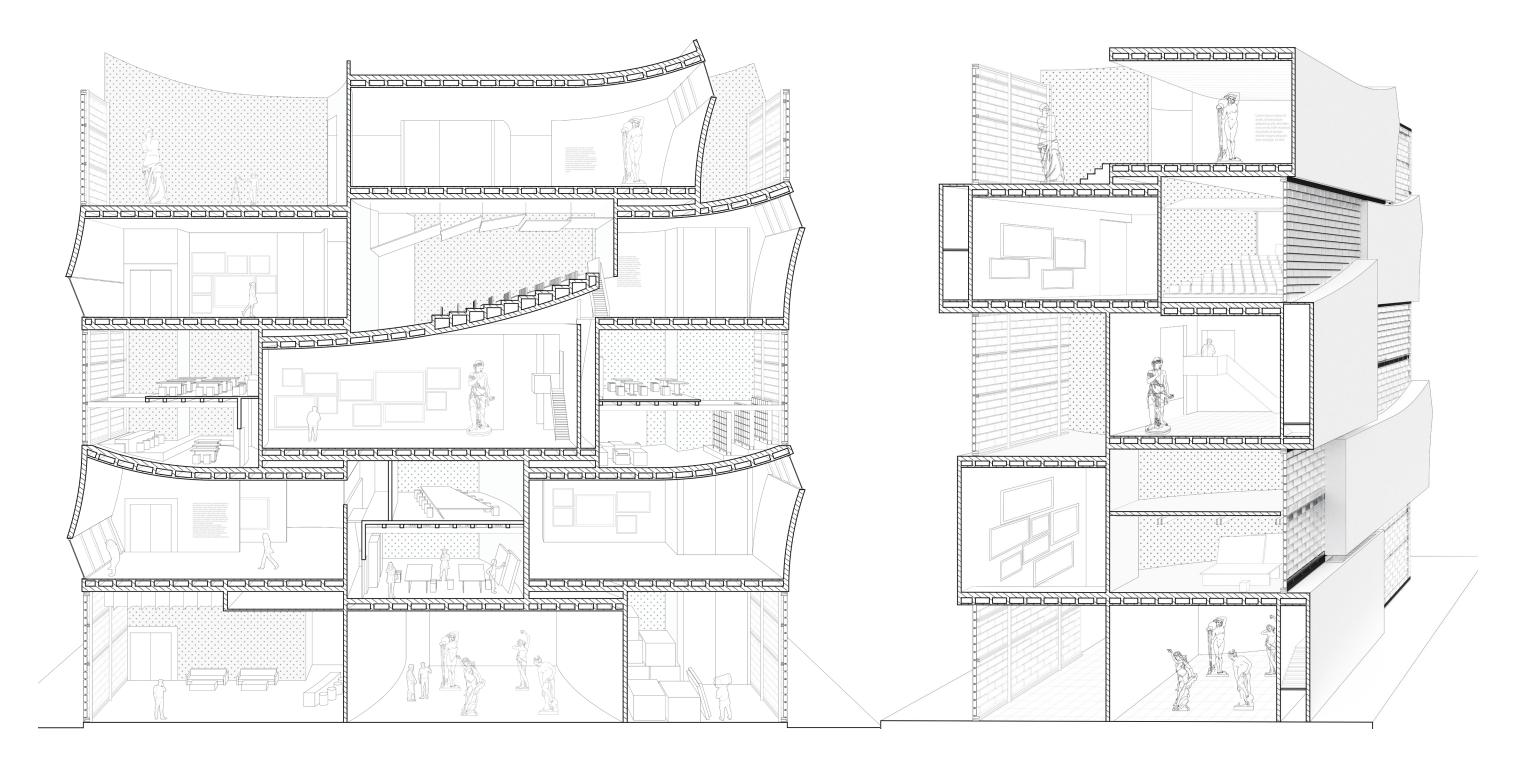
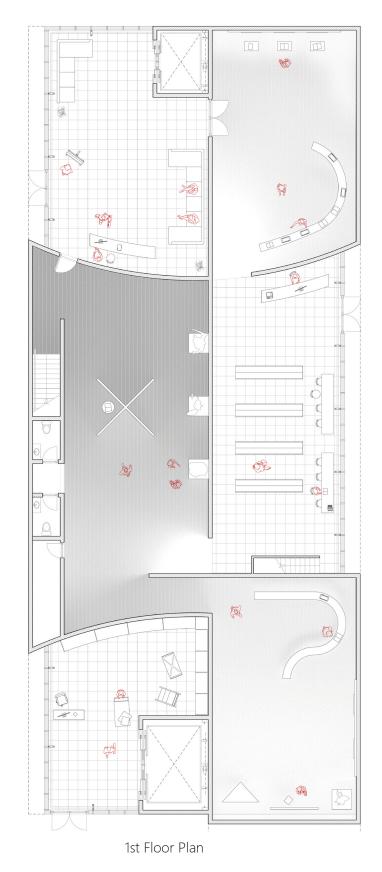
Graduation Portfoilos GSAPP MS. AAD 2020 Jiacheng Wang jw3851@columbia.edu

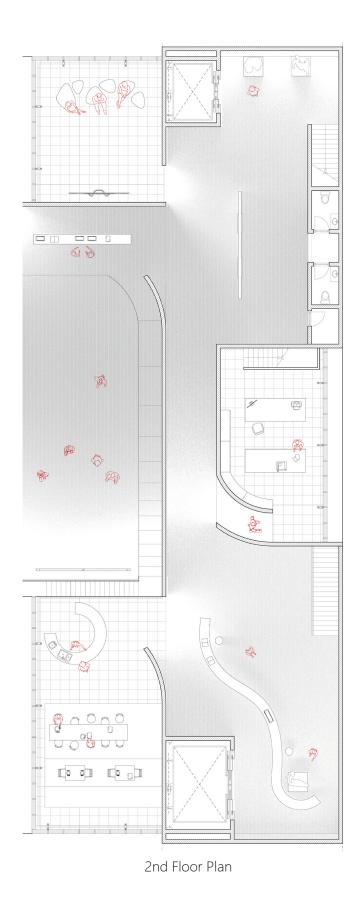
Museum with only gallery

COUNTER-BRIEF The White Box, the dominant twentiethcentury practice regarding art museum interior design and architecture, makes objects untouchable and exclusive by displaying collections on a null white wall as a neutral canvas. On the contrast, the back of house is similar to black spaces, which are out of the cognition of visitors. Based this understanding, we analyzed 2 precedents, which are the Met Breuer and MUSAC Museum. In the precedents, we found the relationship between gallery and non-gallery is similar to black box in white space or white box in black space. Gallery and non-gallery share same boundary, which can be a wall or a floor, and they are shaping each other. They are figureground relation. So in this design, we started from an even checkerboard, in which black and white present gallery and non-gallery space, and we peeled the surface of gallery box to create connection between gallery and nongallery, gallery and outside, gallery and gallery. The peeling walls and floors become special and active boundaries in the building, which are shared by both gallery and non-gallery, giving quality to the space. It can be regarded that the white gallery boxes are stacking in a big black space; it can also be regarded that galleries staggeringly connect together, while the in-between spaces become non-gallery spaces.







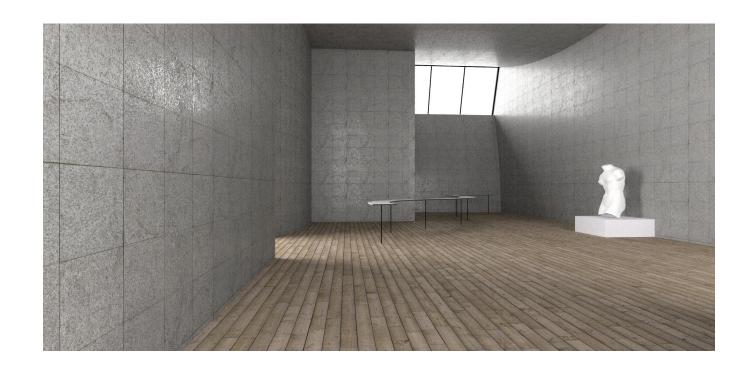




5th Floor Plan

Natural Light in Plan

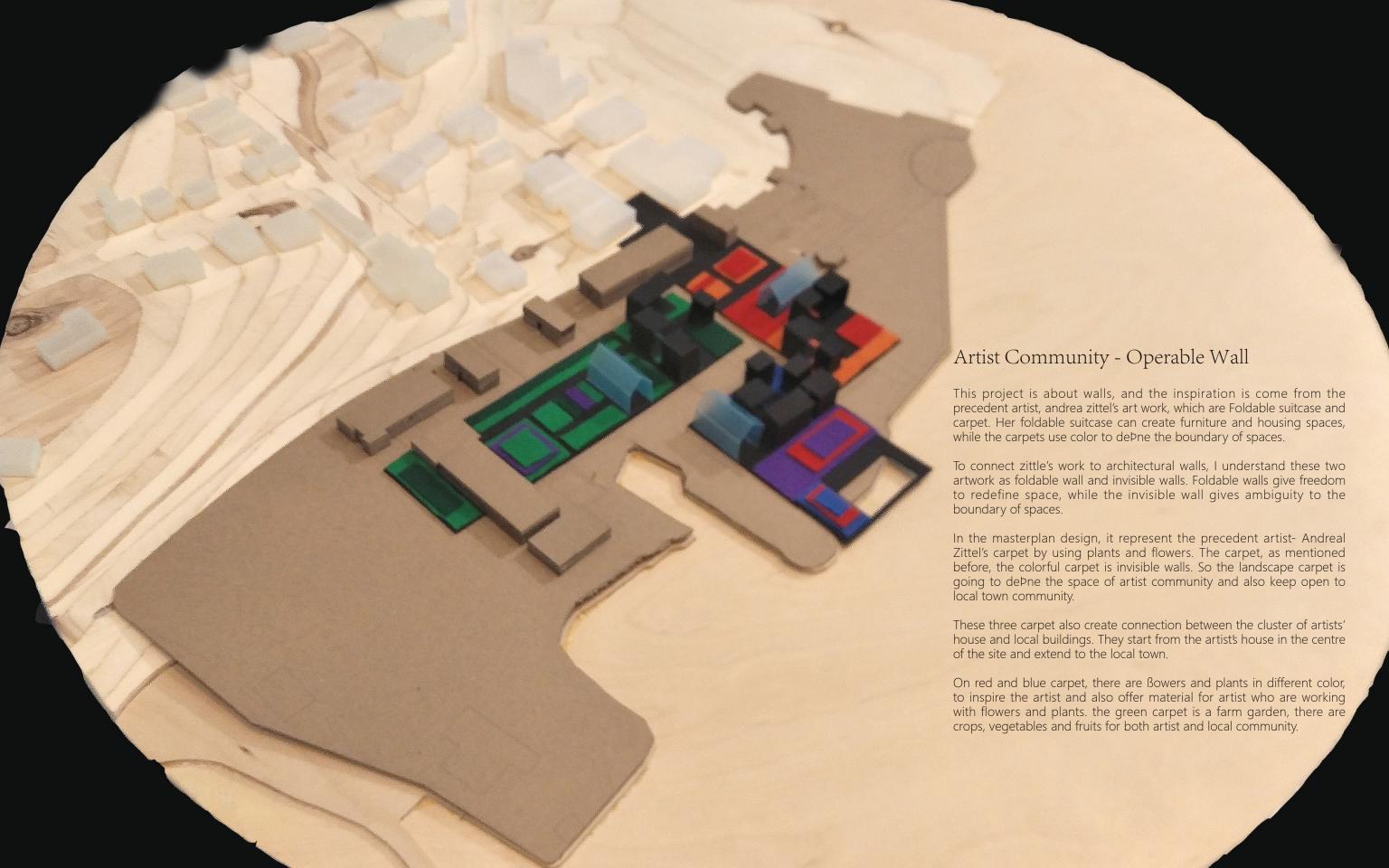
Scenarios of Gallery Spaces









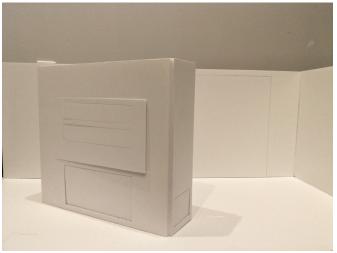


Precedent Artist and Her Works

Andrea Zittel (born 1965) is an American artist based in Joshua Tree, CA whose practice encompasses spaces, objects and modes of living in an ongoing investigation that explores the questions "How to live?" and "What gives life meaning?"



Wall Concept Study Model



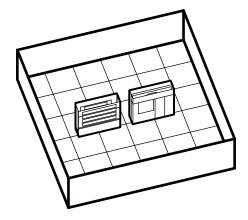




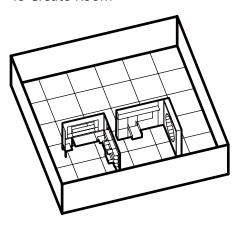


Multiple-use of Folding Wall

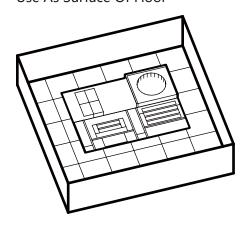
Closed Wall



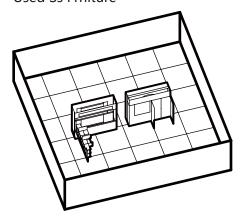
To Create Room



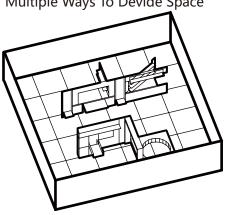
Use As Surface Of Floor



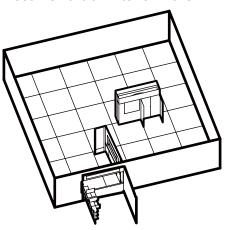
Used Ss Frniture



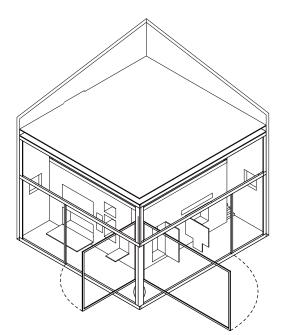
Multiple Ways To Devide Space



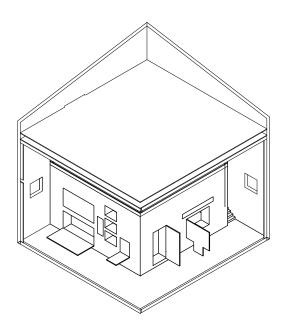
Become Part of Exterior Walls



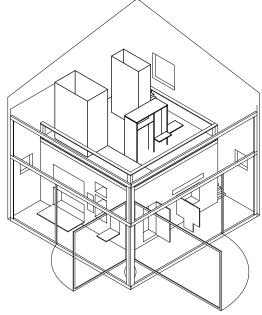
House Design - Three layers of operable walls



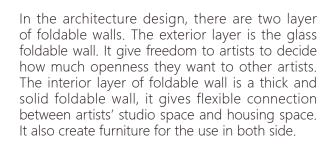
Exterior transparent operable wall Wall between community and individual



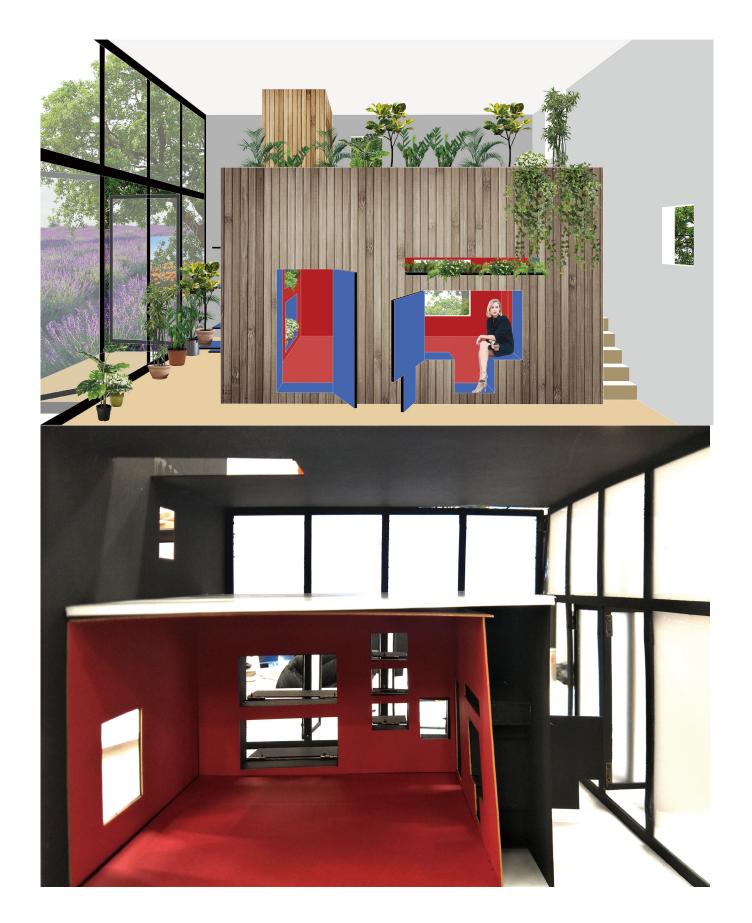
Interior solid operable wall Wall between studio & house



Domestic life space on the second Boor

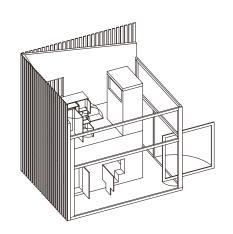


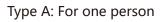
16

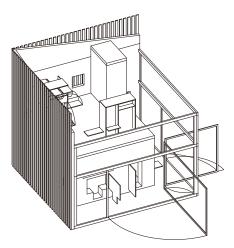




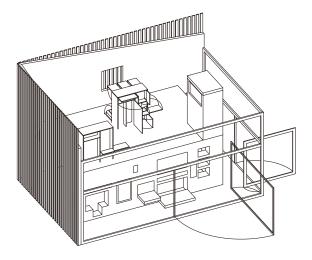
House Type



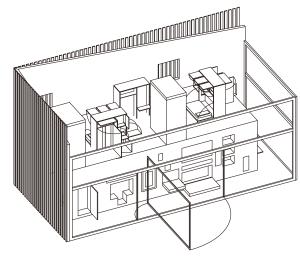




Type B: For a couple







Type D: For Three People

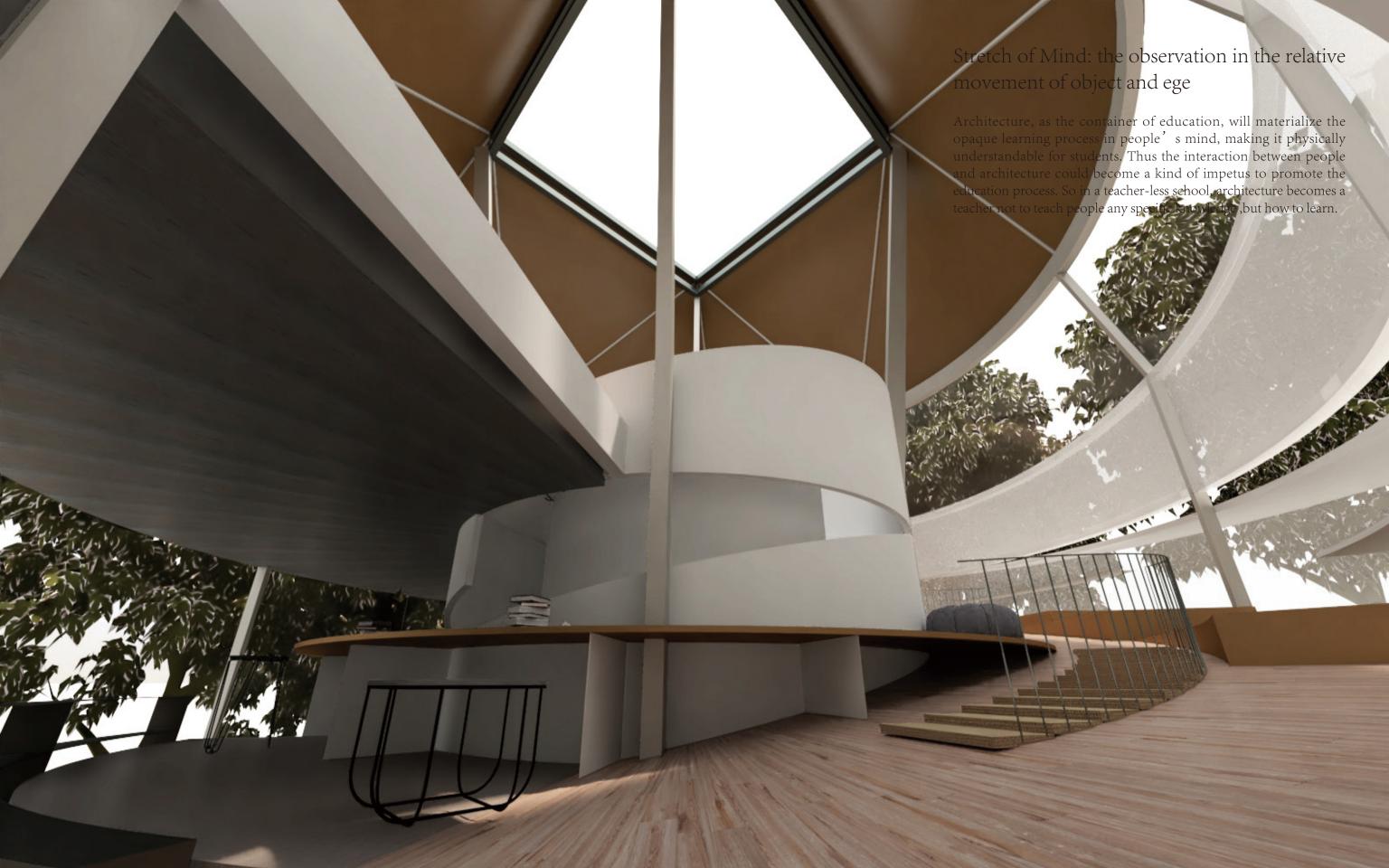
Section



Ground Floor Plan







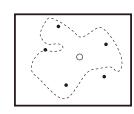
Education Process Hypothesis





STEP 2 Learning in "Corridor"

This is a linear process to learn. This is a process to accumulate knowledge towords the question found in step 1.t



STEP 3 Learning in "Museum"

Compare and differ the new concept and previous experience. In this process, the connection between the new knowledge and existing knowledge system is built.



Education and Thought

John Dewey

Minds, then, are not passively observing the world; rather, they are actively adapting, experimenting, and innovating; ideas and theories are not rational fulcrums to get us beyond culture, but rather function experimentally within culture and are evaluated on situated, pragmatic bases. Knowing is not the mortal's exercise of a "divine spark", either; for while knowing (or inquiry, to use Dewey's term) includes calculative or rational elements, it is ultimately informed by the body and emotions of the animal using it to cope.

Henri Bergson

A COMPARISON of the definitions of metaphysics and the various conceptions of the absolute leads to the discovery that philosophers, in spite of their apparent divergencies, agree in distinguishing two profoundly different ways of knowing a thing. The Prst implies that we move round the object; the second that we enter into it. The Prst depends on the point of view at which we are placed and on the symbols by which we express ourselves. The second neither depends on a point of view nor relies on any symbol. The Prst kind of knowledge may be said to stop at the relative; the second, in those cases where it is possible, to attain the absolute.

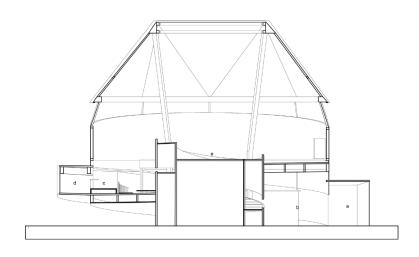
What is the role of architecture in the process of education?

The architecture space, as the environment of studying, is part of the knowledge, because people's sense organs are comprehensively working together; the mind of children will blend all the information they get in one moment, including the knowledge and the spacial experience.

For example:

When a child is remembering a mathematical formula, he/she is also feeling the natural light from the window. When the child recall the formula, he/she also recall the natural light in his/her mind. When the child see the light again, he/she also link this light to the formula. The space, as the container of education process, is a part of the education. Space will remind children of their previous experience.

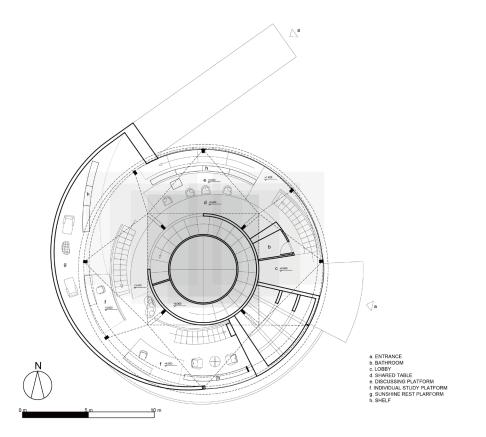
So the architecture design is to materialize/visualize the opaque education process in people's mind, making it physically understandable, so that the architecture is promoting the education. In a teacher-less micro-school, the architecture will push the learning process take place.

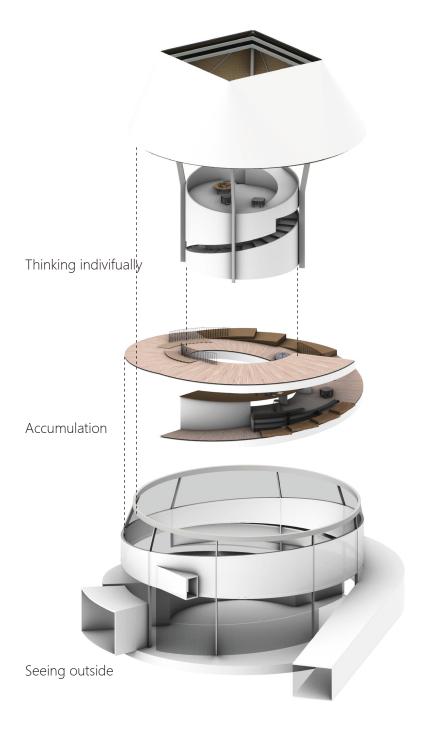


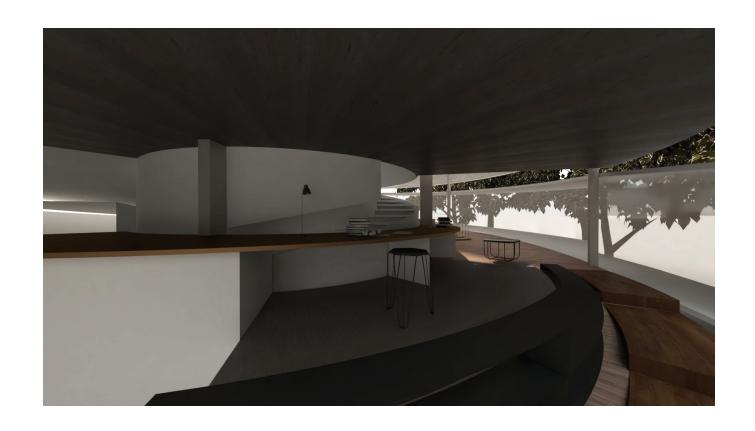


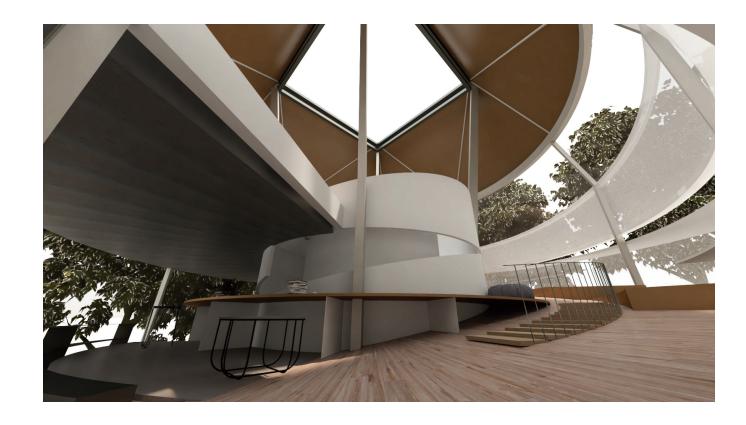
- a. ENTRANCE b. LOBBY
- b. LOBBY
 c. INDIVIDUAL STUDY PLATFOR
- d. SUNSHINE REST PLATFORM B. TOP PLATFORM

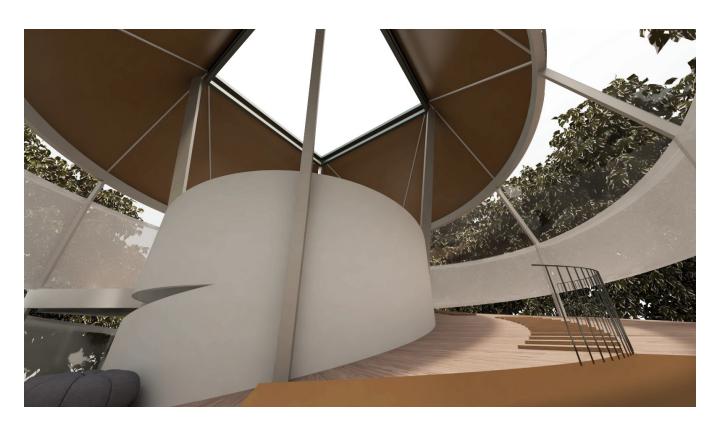
Plan

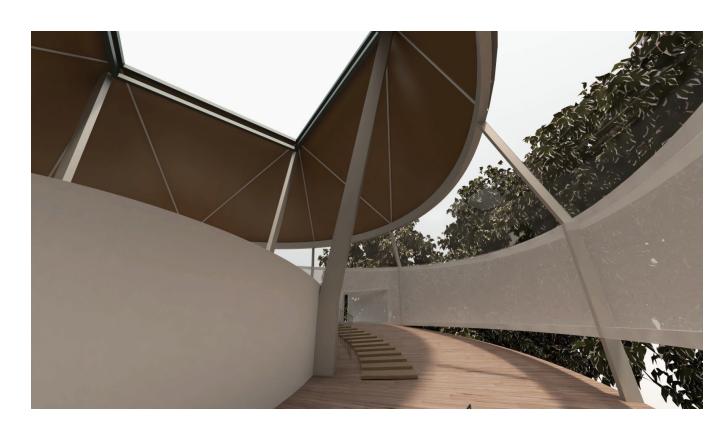


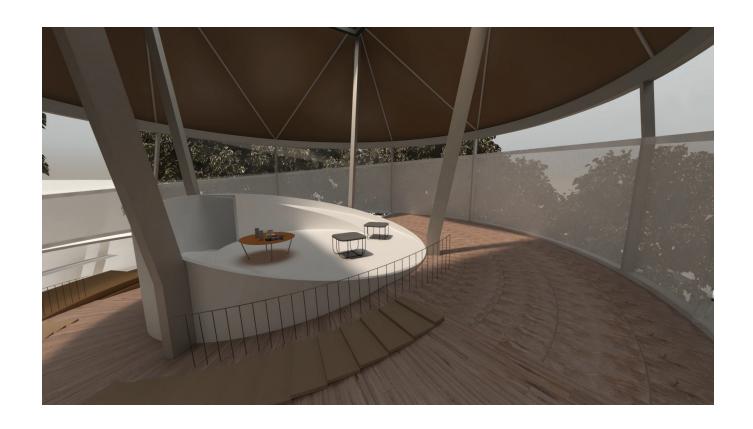


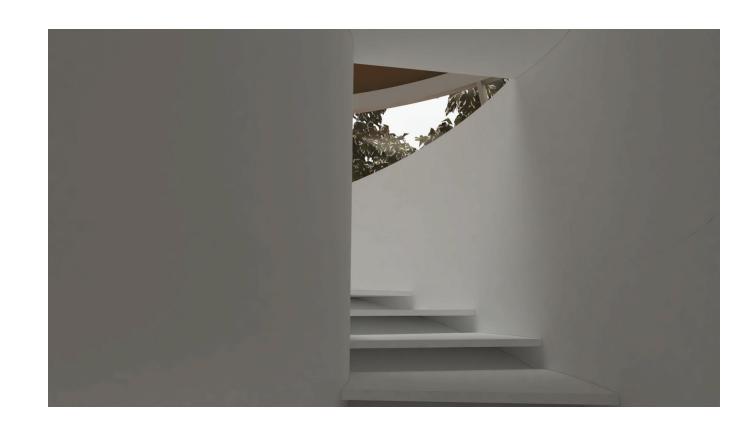








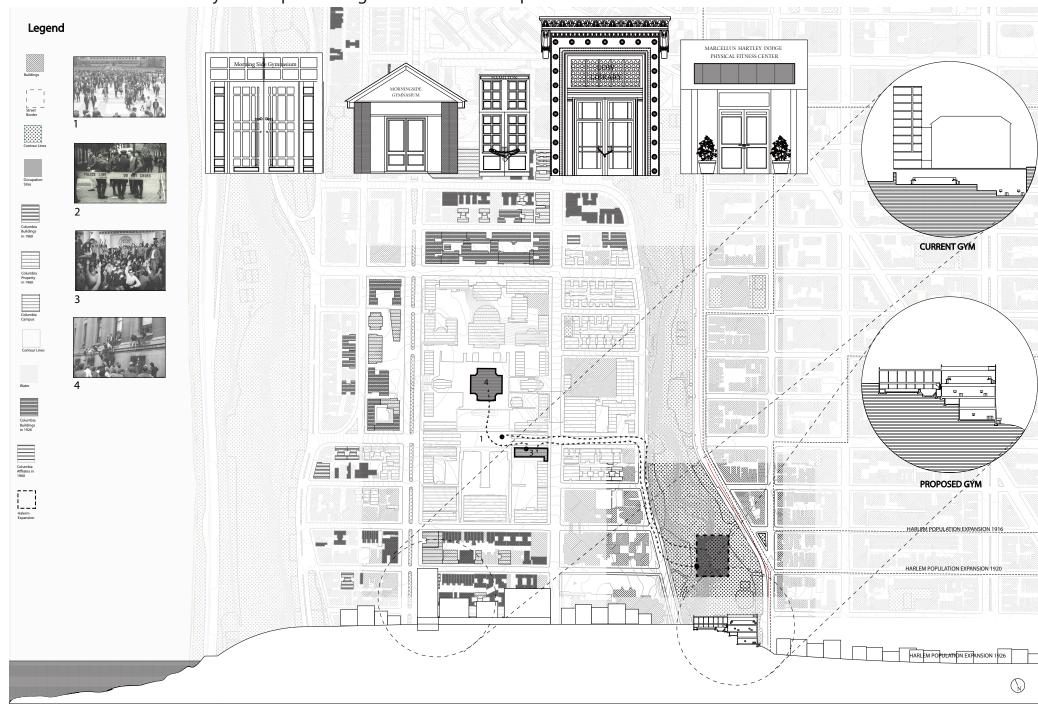








Transscalarities: Community vs Campus - Dodge Fitness Center Proposal



The Dodge Fitness Center is founded on the grounds of tension, both within the institution itself, and its immediate surroundings. In 1961 Columbia University, which is located in Morningside Heights, in the Upper West Side of Manhattan, was looking to provide its students with a larger gym facility, shown on the map. Today, the Dodge Fitness Center is located on 3030 Broadway, and is contained within the raised platform of the Morningside Campus of Columbia. This location was chosen not only through the University, but also due to the pressure of the student body's protest against an initial proposal in Morningside park.

34

Columbia vs Harlem

The spark to the student's protest in 1968 was not unforeseen. It was part of an amalgamation of historic, geographic and demographic strains, which all culminated to the ultimate reconsideration of the gym. In the 1920's, Harlem's growth extended into the vicinity of the Morningside Campus, all while it was expanding according to its increase in student body. As a white male institution setting foot in a majority non-white minority, its move was not well received. Robert Moses' racist planning left Harlem at a bigger disadvantage: out of 255 playgrounds, only one was placed in Harlem. Morningside Park was thus sandwiched between an elitist Ivy League Institution and a minority based community.

The 1968 gym proposal was located in Morningside Park, taking away scarce public park land from the community and only allowing public access on weekends. The topography of the proposal's site separated the Columbia and Harlem communities naturally and the gym would only have added to the boundary.

Protest Week

The protest began on April 23rd with a crowd forming at the main plaza of the campus. Angry at the consequences the Morning-side Park Gym proposal would have, the students marched to the actual construction site in an attempt to stop the digging that had already begun by then. Faced with police and frustrated, the crowd turned back to the campus to occupy Hamilton Building in protest. Inside Hamilton building, the two activist groups,the SDS(student democratic society) and the SAS (the society of Afro-American Students) decide to diverge their forces and occupy separate buildings to clarify their intentions and demands. The SDS occupied Hamilton building while the SAS occupied the Low Memorial library.

By the end of the week, Columbia conceded to halting the construction on site, relocating the gym and dropping all charges against arrested protestors.

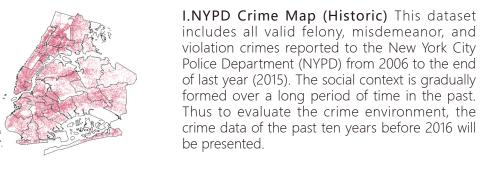
Accessibility

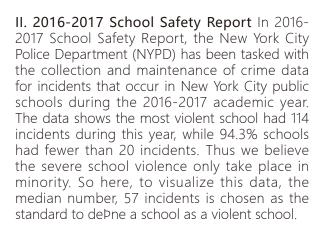
35

As well as a study of the Morningside gym proposal, this project is an analysis of many doors that define accessibility: Chained doors, unbuilt doors, hidden doors, doors on different elevations and doors with limited access. They all have the potential to help connect or segregate and they form a narrative where the main role is played by the implicit politics embedded in architectural planning decisions.

These events are considered a significant turning point in Colombia's history and its relationship to its immediate neighbor: Harlem. This case study materializes a moment in a tense history that's a much bigger issue than the architectural drawings they manifest themselves through here. The expansion of the community and the campus bring out deeper segregational injustices that become easier to pinpoint through architectural drawings and construction sites.

Social Environment & School Violence Map Legend School With fewer than 57 Incidents in 2016-2017 • School With More than 57 Incidents in 2016-2017 Neighborhood Developed After-School Program Crime Mark 0.2 ft





III. DYCD after-school programs: Neighborhood Development Area (NDA) Family Support This is a database of facilities in New York City, by agency and site, that offer NDA (Neighborhood Development Area) after-school "Family Support Programs," including immigrant services, legal assistance, domestic violence, health, housing and literacy programs for adults, seniors, young adults and children of all ages.

Abtract

School violence, as a signiPcant public health problem, has a long-term negative impact on youth's life and local society. It is a complicated social issue comprehensively inßuenced by multiple factors. Among them, local social environment provides the context for school violence. Communities with high rates of crime and drug use teach youth the violent behaviors that are carried into schools. Children in violent neighborhoods tend to perceive that their communities are risky, and that these feelings of vulnerability carry over to the school environment, while in a well-organized community, the community environment could possibly also be a positive impact to reduce school violence. This research will focus on the school violence in New York and choose 2016-2017 academic year as the sample range, visualizing the data of school violence, crime environment and after-school program to assess the inßuence of social environment on school violence.

Research Conclusion

When the three information: crime in the city as a negative factor, after-school program as a positive factor and the violent schools, are presented on the map, it shows that the violent schools mostly locate in area with high crime rate or area without after-school programs. It also can be seen, in the areas with abundant after-school programs but also high crime rate, the after-school programs do not show evident help to reduce the school violence. So we might conclude that the crime rate is the major social environmental factor leads to school violence, while when the crime in neighborhood in not severe, after-school programs can help to prevent school violence. Since the social environment is not the unique factor responsible for school violence, and the social environment is also a very complex context, which can hardly be simply described as the joint action of crime rate and after-school programs, it might be too early to be conclusive. But this research can be regarded as a support evidence for predecessors' research.