

P4 Reflection paper

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May, 2016

Aspect 01: the relationship between research and design

In the research phase, my research topic was *What is the essential context that conduce to the character of the mass and volume of Maassilo?* In this terms it means for the character of the building itself how its related to the context and for what is happening inside during the growth on each state. The research focuses on the adaptation of the position of the building from completely industrial harbours and communities since the first part of the building was constructed in 1910 through the growth and invasion of communities further to the construction of the second and third parts. I conclude my P1 research with the prophase of the research question to *What is the character of the mass and volume of Maassilo in the present and future context with its new position as the urban junction between industrial and living, is the mass require more connection of the inside-outside volume?* Which not focussed only what within the building but to the wider context.

The design phase is attempted to harmonize the quality of industrial feeling of the port area and the dwelling to emphasize the idea of development of the city Rotterdam that the city grows together with the port.

Aspect 02: the relationship between the theme of the graduation lab and the subject/case study chosen by the student within this framework (location/object)

The graduation studio: Rotterdam of the 2016 Fall studio focuses on the former port area in the present inner city of Rotterdam. The studio provided several options for the project which all in the industrial atmosphere. I choose Maassilo to be the subject building for my graduation project. My choice of graduation building began with a personal interest in the relationship between the flow of the people and the dynamic of the historical industrial environment and present infrastructure. Maassilo stated near the city centre and act as one of the element of the city that represent the starting of south of Rotterdam. Together with the character of the building, the massive scale provokes the curiosity of what is happening inside. In the very beginning, the principal of the harbour was meant to be the industrial harbour as transshipment doc served the temporary and process development to the inland area. The building of Maassilo was the significant object of the context in that period as the massive concrete factory that represent the industrial feeling of the harbour.

The problem of Maassilo are the building is very introvert and lack of the land which already resulted in the cantilever silo and building on the water. this issue makes the building on the community side doesn't have the good approach and differ from the urban fabric. In other hand, this massive works well on the harbour side retaining industrial atmosphere but again in contrary of the future, encounter the rising level of the water, the floating community is one of the plan which will again change the position of the harbour that will mainly affect to the building. The assignment is to deal in such a way that the industrial feeling would be preserve in the new society.

Aspect 03: the relationship between the methodical line of approach of the graduation lab and the method chosen by the student in this framework

The methodology of Heritage focuses on the analyses of the state of the building and surroundings that related to the different values of architecture, building technology and culture from the larger scale context to the small scale of detailing and elements. The practice within the studio result to the analysis of the context and surrounding, the theme research, references studies under the guideline of 'Research by design and design by research'. Experience is one of the key tools to reach the understanding of research and design by visiting the building and relevant projects not just the building with the same typology but more to get the notion of how the building material and surface were treated by seeing how to deal with the existing.

My research was similar, basically starting from the experience of the existing with high scale analysis of urban context followed by what is happening inside of the organization and typology of the space and materials. The zoning and organization that effect to the mass and volume of the building was the main theme in my project which related to the activity of the people dealing with the diversity of the nationality in South-Rotterdam.

From this point, the method I use to reach the design is to use the framework of transformation that made by using the understanding in the cultural value making the objective and subjective assessment in terms of architecture, building technology and cultural object and narrative. Moreover, the essential method derives to the understanding of this issue was to recall the value by carefully examine the pictures to emphasize the feeling the beside the information that gained from historical document together with the changing of the drawing scale and making physical model since we cannot reach one of the most important space in the building, silos.

This methodology helped me to grip and arrange to deal with the machinery as the industrial presence of the silo to related to human, as the silos itself were make to cooperate with grains not for human.

Aspect 04: the relationship between the project and the wider social context

As the society is always changing in times, the point of my design is to preserving the building in physical and mental feeling while making adaptation that suit to the present which also support the changing in the future. The building of Maassilo acted as the heritage signature represent the industrial traces of Maashaven but in contrary the new position of the building has a high potential to enlarge the community relationship and being the place for diversity of the different nationality in Rotterdam. The project looks through a wider scale connection to connect three district as its located in the corner of Charlois that connected to Feijenoord and Kartendrecht. The new function of the building is to be the place for meeting to gathering people and create new assemble area. The

idea is to enlarge the boundary of the project from the property line of the building and generate new community square to clinch the essential of the area as the infrastructure junction and the starting of the green line of south Rotterdam and create connection to the building and infrastructure with the new bridge which will also result to the next phase of the floating community in the Maashaven. The challenge is to deal with the introvert character of the building with the extrovert of the society.

The user of the South Rotterdam and the function of the building as the process of grain before sending to inland is the central idea in my design, as from my perspective the building itself worked in temporary aspect by developing grains which results in the new function not to be the final destination of people for living but as the building for development.

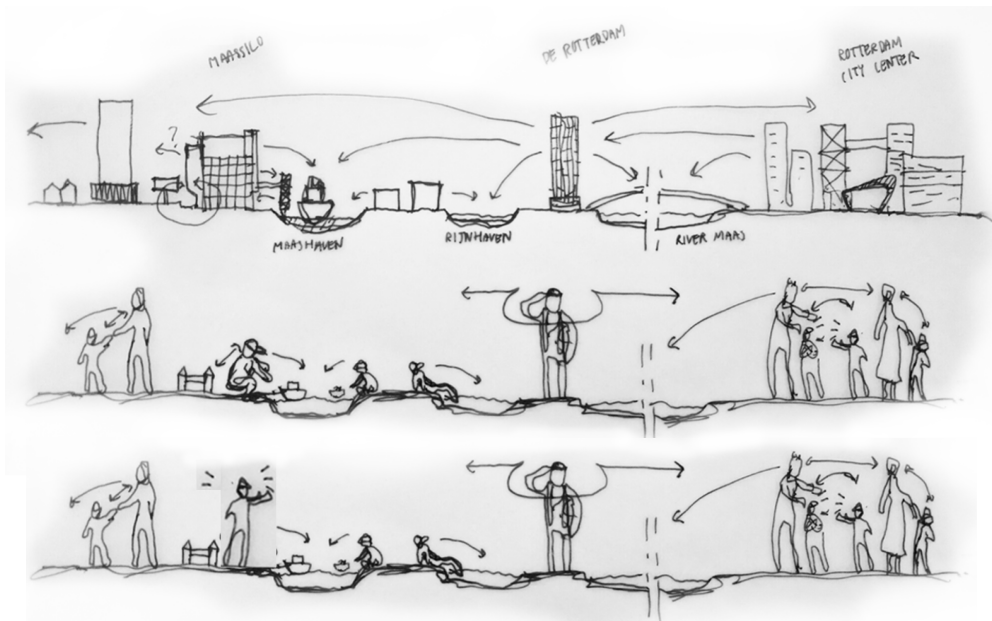


Fig. 01 Relationship between Charlois – Maassilo – Maashaven- Rijnhaven – Rotterdam city center Existing and purposing.



Fig. 02 The boundary of the site was extended to the south creating the square and connection to the building to increase the quality as a whole.

Aspect 05: approach and solutions

The project aims for a solution of the adaptation and preservation of the building context and answer the question how the heritage building survive/ surpass/ continue the narrative within the changing position of the modern and future manner of the people and the city? also within the project of Maassilo, how the massive masses and volume of industrial presence represent to human scale?

Presence of the neighbourhood

- The building provides the new assemble area for meeting for each outdoor and indoor spaces during day and night for all period of the year which lead people to the district and make the building state stronger as the transition of three districts and transportation.

Awareness of the character of the existing space

- The space of the separation silo provides the introvert vertical character to feed up and down the ephemeral substance such as light and provide the strong connection for vertical circulation.

Organization

- The previous used of the building as grain silo separate the zoning of the building to human and grain use, in consequence it provide the public and private space that help in boundary the zoning and security for the building followed the historical narrative. The ground floor and attic are more public that have longer daily use to the night while in the in-between of silo space is more secure and close at night time.

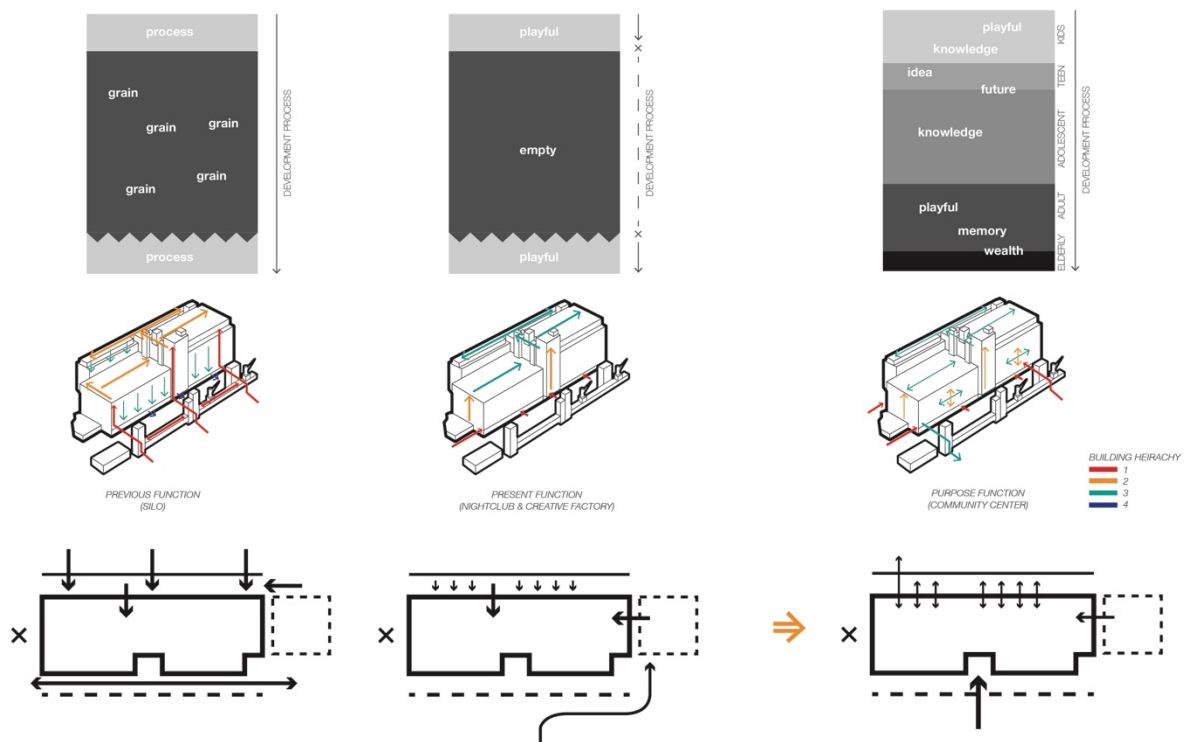


Fig. 03 The previous – present – purposed organization of the building