Graduation Plan B.j. Hoogendijk

1 GENERAL INFORMATION

1.1 PERSONAL INFORMATION
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1.2 STUDIO
Theme: rMIT Canal Saint-Martin
Teachers: Ir.W.L.E.C. Meijers, Ir. F.W.A. Koopman
Argumentation of choice of the studio: In my design projects I prefer to work with a strong context, I have done a MSC studio in rMIT before and enjoyed the project and I am interested in historic architecture.

1.3 TITLE
Rehab (de) Depot de la plaine Saint-Denis

2 PRODUCT

2.1 PROBLEM STATEMENT
On the Plaine Saint-Denis, a former industrial area in the north of the Paris metropolitan area, a former railway zone has lost its function due to the change of the industrial activities in the rest of the area and is now vacant. The Plaine Saint-Denis is being redeveloped. The vacant land of the former railway zone is to be part of the redevelopment.

Though this railway zone was in the past crucial for the infrastructure of the area it has always been very secluded. The connections to the railway zone by road are limited because in the past most connections were made by rail. It is only at the former stations for merchandise and passengers that a connection by road has been made to the railway zone.

On the railway zone the Depot de La Plaine Saint-Denis is located. This building complex for the reparation of locomotives stems from 1870’s. Most buildings in this complex are constructed at a later date. Since the early 1990’s the complex has been out of use and is in decay.
The building is nowadays in such a state that it is unsafe to enter the building. The reinforcement of the concrete has corroded and the concrete is disintegrating.

To resolve these problems the following questions are to be answered:

How can the former railway zone on the Plaine Saint-Denis once again become an integral part of the redeveloped Plaine Saint-Denis and meet the demands of contemporary and future use?

How can the Dépôt de la Plaine Saint-Denis be redeveloped given a new use to the buildings making use of qualities of the complex and thereby preventing future decay or demolishment?

2.2 GOAL

Goal of this project is to produce a masterplan for the former railway zone on the Plaine Saint-Denis and an in-depth design for the re-use of the Dépôt de la Plaine Saint-Denis and the redevelopment of the direct surroundings.

The emphasis will be on the design of the Depot de la Plaine and its direct surroundings.

3 PROCESS

3.1 METHOD DESCRIPTION

In order to answer the questions and to achieve the goals formulated in chapter 2 several sub questions will need to be answered. An analysis of the urban situation, architectural and building technology will be made to provide the answers for these questions.

Based on the conclusions from this analysis about the needs for the area and the qualities of the location and other plans for the plan area or comparable areas an urban masterplan will be produced. Fitting this urban masterplan and based on the qualities of the existing buildings and personal interest a function for Dépôt de la Plaine Saint-Denis will be chosen.

The program of demands will be based on an analysis of buildings with a similar function, this program together with the conclusion of the analysis of the building and possibly the position as formulated in the position paper will be the starting points for the design.

During the early design phase research of references and literature is combined with a study of the program and qualities of the existing building. The study of the program is to be done using 2d drawings, plans and sections. The spatial qualities of the design will be studied using 3d sketches and models.
3.2 LITERATURE AND GENERAL PRACTICAL PREFERENCE
To be used in this graduation project

Documentation of the area on different scales

http://archives.ville-saint-denis.fr/archive/recherche/cartesplans/n:27
http://www.plainecommune.fr/

Documentation of the building

Le mans, Centre des archives historiques SNCF

0505LM0041 1) 22), Reconstruction du dépôt de la Plaine (1945-1946, 1951, 1953)
0515LM0009/001, (Photos SNCF (toutes régions) pour conférences) (s.d.)
0003LM1936, gare de LA PLAINE St DENIS : Reconstruction du dépôt. (1944-1948)
0897LM0095/001, Dépôt de La Plaine Saint Denis, remise pour 56 locomotives and annexes :
: dessin n°120 à 168 (1923-1947)
0050LM0334 Dossier n° 50, Pour l'agrandissement des ateliers de machines outils du
: dépôt de la Plaine et construction de logements d'agents. <1944> (1878-1948

Unpublished

Plans, sections, elevation acquired through personal communication
regarding the function


Latorraca, G (2000) João Filguiras Lima – Lelé,

Mens, N (2009), Healing environment, Thoth

Mens, N (2007) De toekomst van de polikliniek, Stagg

Hattstein, M (2007) Hospital architecture, Braun

Reference projects

Groot Klimmendaal, Arnhem

Sophia Revalidatie, Den Haag

Rehab, Basel

Literature on approaches to heritage and re-use/redesign

4 REFLECTION

4.1 RELEVANCE
Throughout Europe and the rest of the world the railway infrastructure was rapidly expanding during the second half of the 19th century and similar developments can be witnessed on different locations. To support this railway infrastructures building complexes and yards were constructed for the maintenance of the locomotives/wagons, storage, etc. These complexes were usually constructed at the edges of the cities.

With the further development the size of the trains increased and technologies changed. The complexes created for the maintenance or storage are often no longer suitable and as a result get out of use. The complexes, located on the edge of the 19th century city, are now often located at prime locations within the major cities. A comparable design task as such can be found in different cities to redevelop these valuable locations within the city often poorly connected to the infrastructure of the city as it was oriented on the railways and including historically interesting objects.

As the railway companies were internationally oriented businesses the construction of these support buildings is also often comparable.

5 TIME PLANNING