Profile and plastic quality of architecture

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Profile and Plastic quality of architecture

Profile means side face or outline of figures which capture essential quality and character of them, and from relief and its plastic quality we can still sense profile as well. When architectural elements such as walls, platforms, stairs, or columns and beams are integrated in complex relationship as if ruins, they often bear similarity to reliefs and sculptures.

Johannisborgs fortification ruin in Norrköping is located in abandoned field where industrial, historical, and natural outlines meet each other, and from this complexity, I tried to figure out new profile and character of the city, by means of architectural fragments, systems among them, their combined silhouette, footprint on the ground, and the sequence within the existing context buildings and the landscape.
Situation plan
scale: 1/3000

Contextual plan (originally drawn as 1/3000)

Johannisborgs fortification ruin
Archive campus for tools & technique
New train station and rails will be located here
New residential district will be located here
Old train station and rails
Norra Promenaden
Motala ström
Linköping university
Public park

'Industrial landscape'

Industrial district planned to be replaced by residential district
Old town
Johanniborga fortification ruin
Existing manufacturing gate tower at the entrance to the field

Existing manufacturing buildings and the court
Structural system of existing manufacturing building

Plastic quality of existing gate tower
Site clay model (originally made as 1/1000)
Interior hearth and exterior hearth on the western facade of the library

Interior hearth and structure system of the library
Floor structure of the library

Roof structure of the workshop
Library within the landscape
Workshop within the landscape
Archive campus within the landscape, as imagined ruined status.
Facade system (precast concrete fragments)
Structure system with service shaft (insitu reinforced concrete)
Secondary roof structure system with joists for rooftop light (laminated timber)

Vertical circulation system with interior facade (insitu plain concrete steps and balustrade within reinforced concrete walls)

Plot plan (originally drawn as 1:500)
System of the library (exploded isometric, originally drawn as 1:100)
Elevation of the south facade of the library (originally drawn as 1/100)
Ground floor plan of the library (originally drawn as 1/100)
Floor plans of the library (originally drawn as 1/100)
Longitudinal section through library
scale: 1/100

East to West cross section of the library (originally drawn as 1/100)
North to South cross section of the cafeteria (originally drawn as 1/100)

North to South cross section of the library (originally drawn as 1/100)
Perspective view from the entrance to the campus
Perspective view from the balcony of the workshop.