

b·aurchitecture

bouman

architecture

urbanism

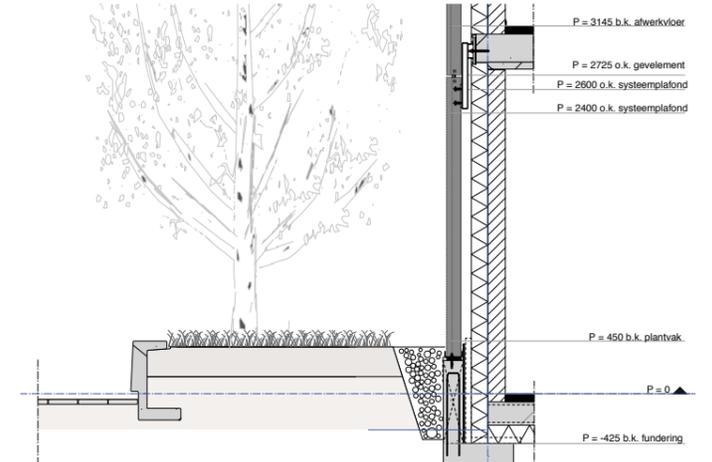
project: 24 Apartments "Protected Housing"
with community facilities
site : Zoetermeer
client : Adriaan van Erk Projektontwikkeling BV
design: 2008
realization: 2011
project size: 1.750 m2
building costs: € 2.325.000

PROTECTED HOUSING | ZOETERMEER [NL]



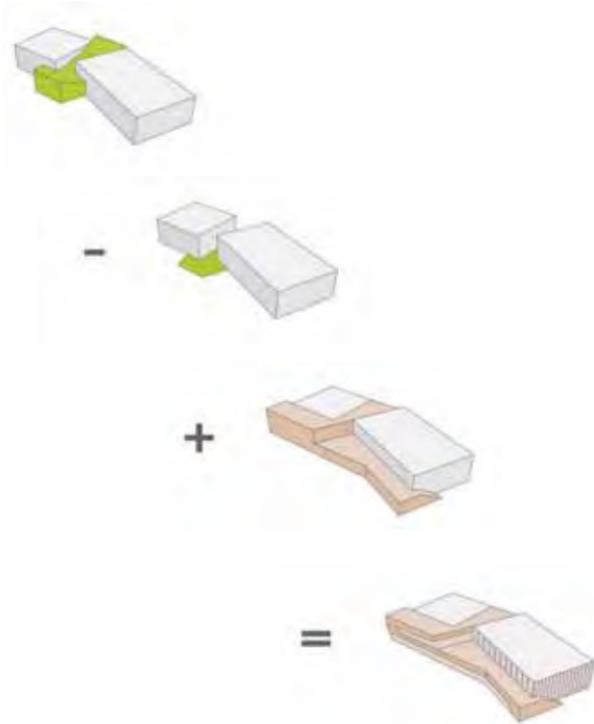
Protected Housing is a two-storey housing block for 24 elderly and disabled inhabitants. With an emphasis on encouraging socialization between both the residents and the rest of the neighbourhood community, the design focuses on interactive space that connects the building with the environment.

Considerably stepped back from the plot line to the east, the design integrates a white concrete platform that is densely planted with birch trees, acting as a filter between the environment and the residents. Framing the form of the overall volume, it highlights the glass corner containing the entrance and a neighbourhood restaurant. From here the circulation is guided inwards by angled walls that funnel up to an atrium on the first floor. A roof terrace is accommodated above the entrance, offering views of the neighbourhood from the plaza.

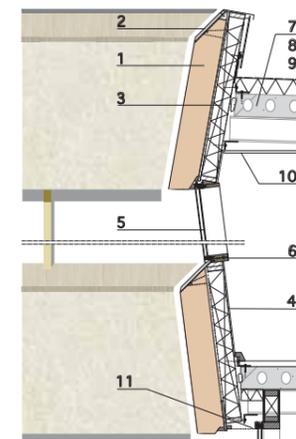


project : Daycare Centre Willem Feloord
 Renovation / Extension
 site : Delft
 client: Ipse De Bruggen Foundation
 design: 2005 - 2006
 realization: 2007
 project size: 1.780 m²
 building costs: € 1.100.000

THATCH BUILDING | DELFT [NL]

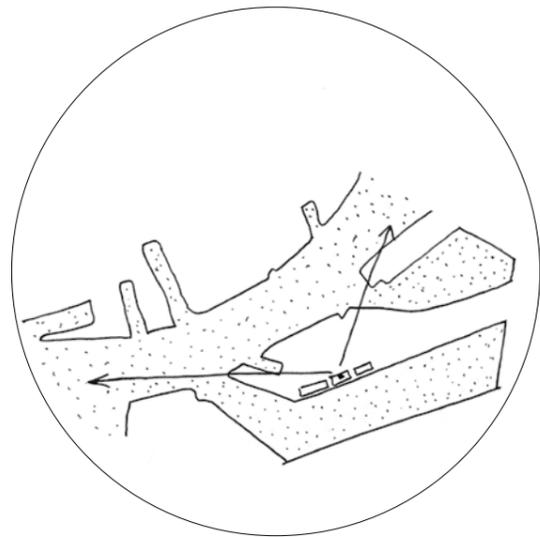


The project concerns the extension and renovation of an existing daycare centre for mentally disabled, situated in a natural wetland area near Delft, the Netherlands. The limitations of the patients make the sensoric / tactile quality of the building a key issue. Their emotional condition as well as their ability for orientation are greatly determined by the building. The extension is laid out towards the garden as a natural shape and is clad with thatch. The facades of the existing part could not be clad with thatch but are treated in two different ways. Facades facing the public space are clad with silk-screened glass, based on a manipulated image of a thatch roof. The adjacent facades can only be perceived in perspective and are covered with a grid of thermally treated pinewood. This grid reacts on the forms of the thatch facade and is continued over the glass parts the extension, uniting old and new.



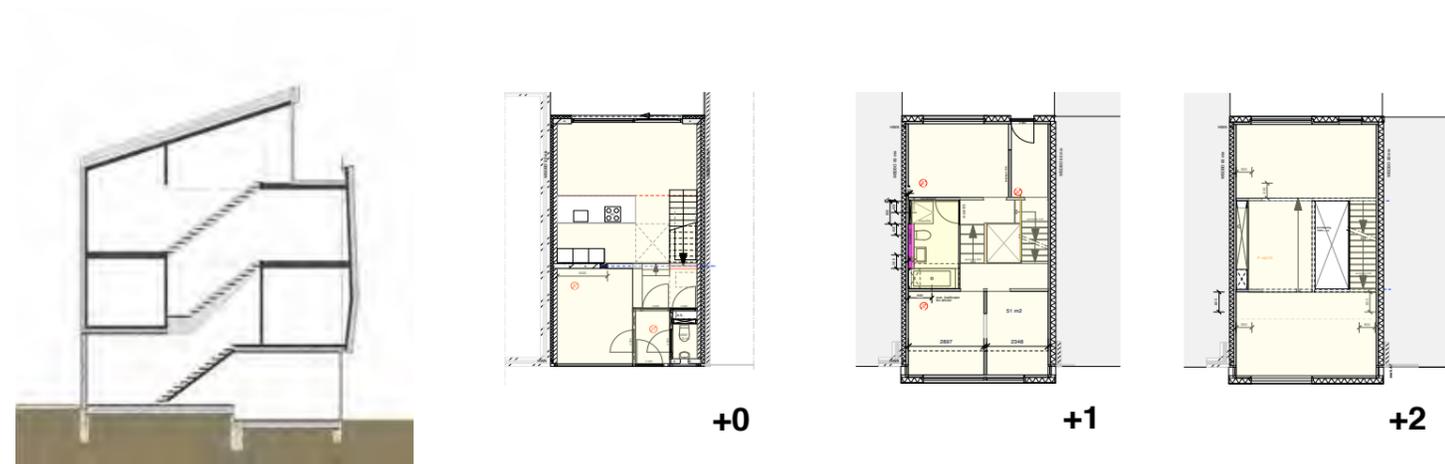
project: private house
 site: Rotterdam
 client: private
 design: 2008-2009
 realization: 2010
 project size: 180 m2

WALHALLA HOUSE | ROTTERDAM [NL]



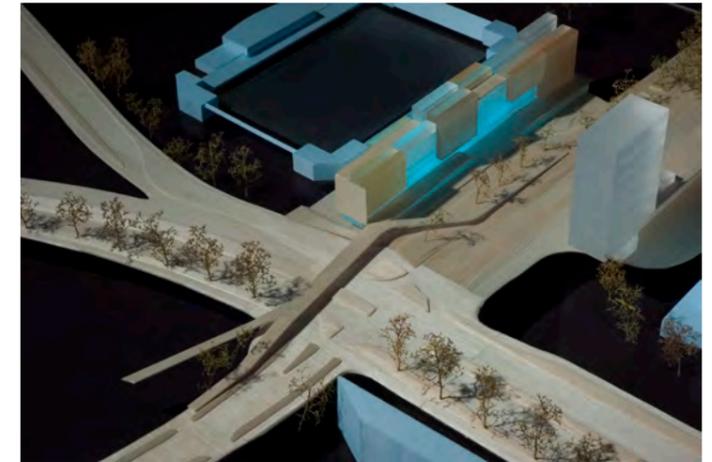
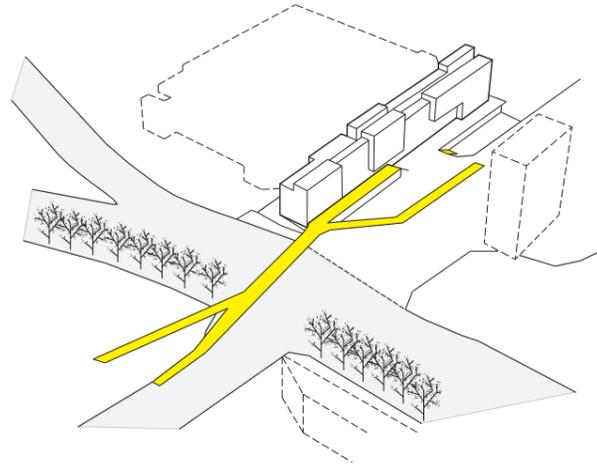
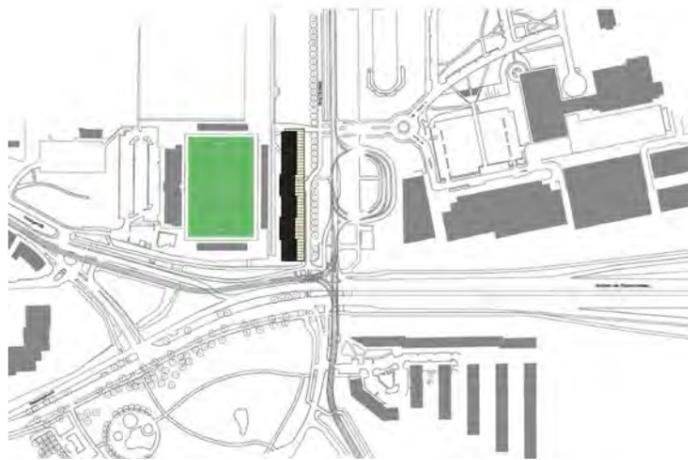
This single-family house is built upon a plot within a redeveloped harbour area. The ground floor has an open character and contains a big kitchen along with a working space. The private part of the house is conceived as a volume, hovering over the ground floor. The volume is constructed using Cross Laminated Timber elements, actually the first house Rotterdam using this building method. Due to the prefabrication of the elements, the structure has been erected on site within a week. Central element in the house is the wooden staircase spiraling upwards through a large central void.

As contrast of the wooden interior, the exterior of this volume is finished with plaster in an abstract detailing, developed in close collaboration with the supplier of the system.



project: Erasmus University Student Housing combined with facilities
 site: Rotterdam
 client: Kristal Projectontwikkeling
 Stadswonen Rotterdam
 design: 2007
 project size: 300 student apartments, 15.200 m²

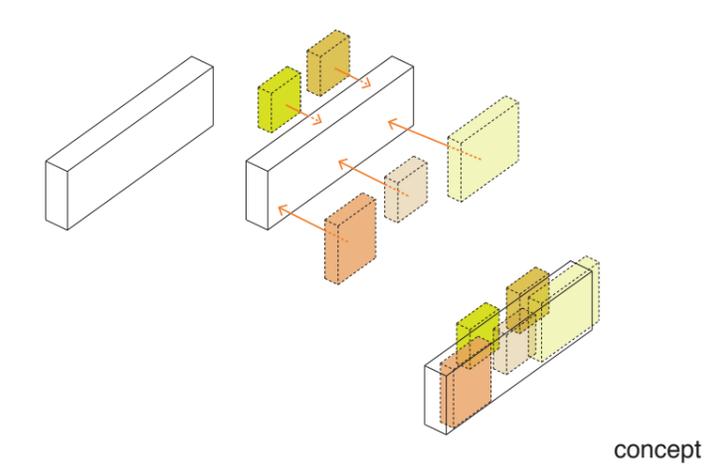
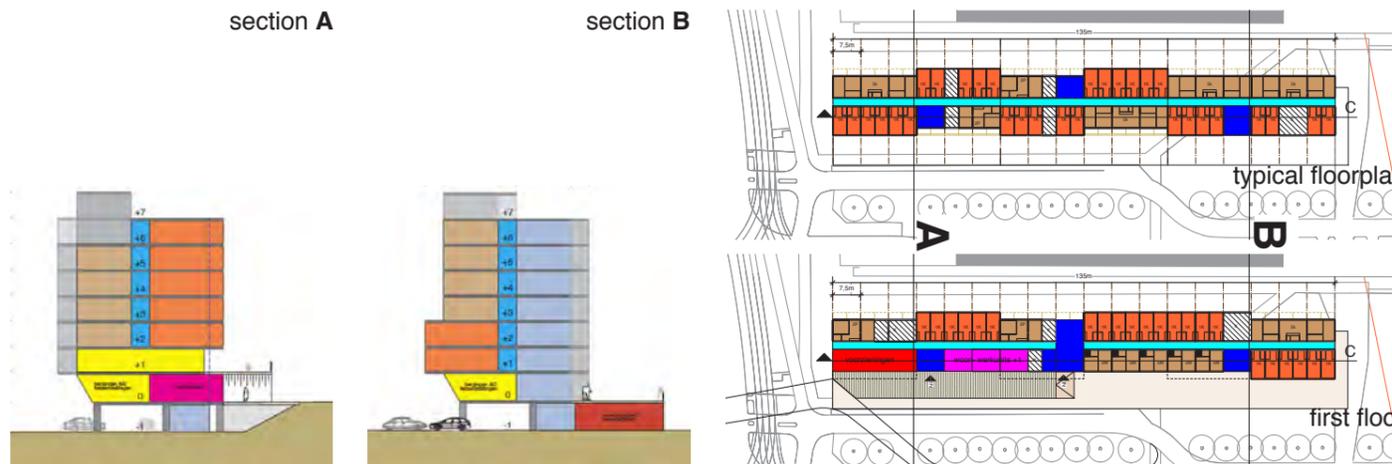
STUDENT HOUSING | ROTTERDAM [NL]



This project situates a large complex of student's housing combined with facilities near the entrance of the Erasmus University. Shape and position of the volume are based on the idea of an articulated slab, appearing from behind a row of trees to evolve into an icon marking the university along one of Rotterdam's main access roads.

The building and its environment have been treated as a fully integrated design. On the lower levels workspaces and public facilities can be found, connected seamlessly with the surrounding infrastructure and public spaces.

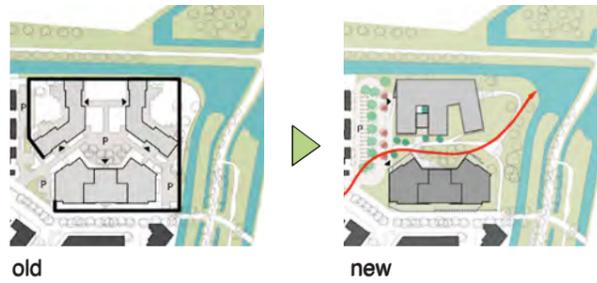
The articulation of the slab is the result of a system in which a technical and structural backbone serves as a rack to which volumes in various depths are attached. Featuring a 7.50 grid they are able to absorb a series of functions and housing types, hence offering a flexibility that, along with advanced technical installations, creates a building that is both iconic and sustainable.



concept

project: daycare Centre / Housing / Park
 site: Schiedam
 client: Ipse De Bruggen foundation
 design: landscape design 2012
 renovation daycare centre 2012
 housing facility 2014
 realization: daycare centre 2013
 housing and park 2016
 project size: daycare centre 1.460 m2
 housing 3.000 m2
 building costs: daycare centre € 1.850.000
 artist: Carol Fulton, UK

CARE CAMPUS | SCHIEDAM [NL]



The project is part of a larger renewal of a small campus area for a community of people with disabilities. On the border Schiedam and its rural surroundings the campus comprises this newly renovated daycare centre along with a housing facility currently under design.

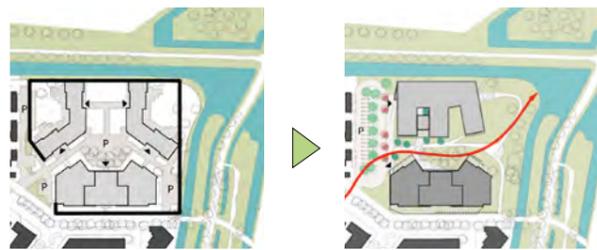
The centre has been stripped of unnecessary details and has been painted dark brown, and provided with high quality wooden terraces on all sides, which in turn are wrapped with a wooden screen. In keeping with the local environment, the screen is constructed from chestnut wood and blends into the rural atmosphere. At entrance areas, the screen's shape adapts, and frames with printed glass cut into the wood, creating a sleek, modern contrast with the rougher, more agricultural material.

The glass prints, made by artist Carol Fulton, continue throughout the interior of the centre as they surround the new lobby in the heart of the building. They form a panoramic view of the coppiced chestnut grove, forming a visual association with the screens outside.



project: Care Housing
 site: Schiedam
 client: Ipse De Bruggen foundation
 design: landscape design 2012
 renovation daycare centre 2012
 housing facility 2014
 realization: daycare centre 2013
 housing and park 2016-2017
 project size: daycare centre 1.460 m2
 housing 3.000 m2
 building costs: daycare centre € 1.850.000
 housing and park € 4.750.000
 artist: Carol Fulton, UK

CARE CAMPUS#2 | SCHIEDAM [NL]



old new



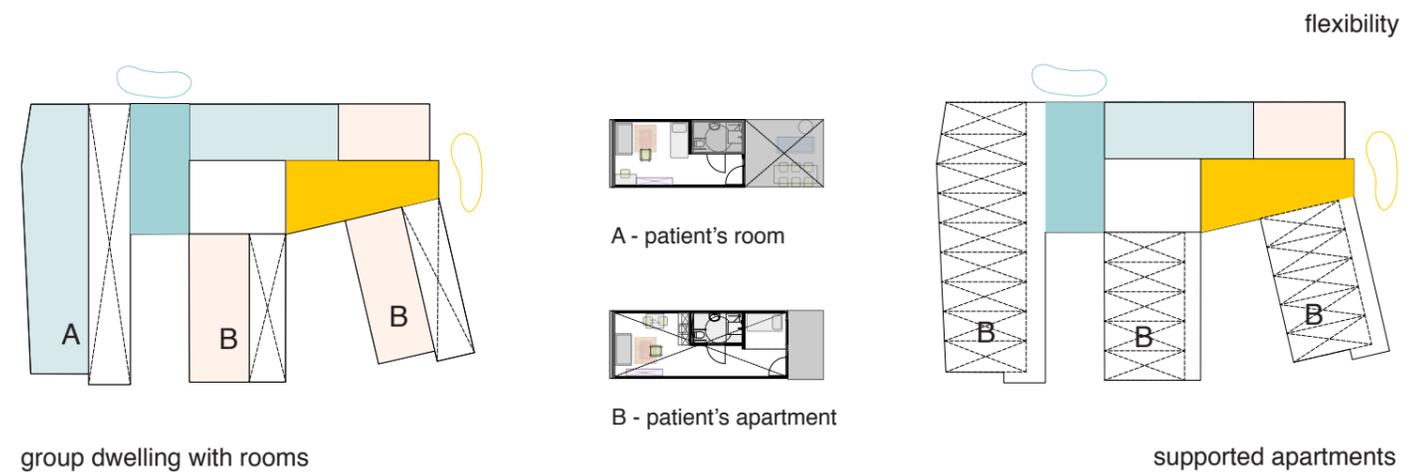
In 2012 we started to work on the redevelopment of a campus for people with disabilities. Bordering a rural wetland landscape and the city of Schiedam, the site was completely introverted, blocking the relation between urban and rural. On the scale of urbanism, main theme is to reconnect the area with the landscape, and to emphasize the identity of the place.

The buildings, one renovated and one new, are combining high-tech details like printed glass along with agricultural chestnut fencing, and bird-nest balconies, marking the transition from urban to rural. The campus is transformed into a park. Rather than turning its back to the neighbourhood, the site is open and publicly accessible, reconnecting urban and rural.

Since they are lacking cognitive capabilities, the sensory experience of the patient's environments were a key issue for the design of both buildings and landscape design.

This housing facility was nearly cancelled due to a series of factors.

Rapidly changing demands and financing are currently creating a lot of uncertainty regarding investments in facilities for mentally handicapped. To make things worse the clients requirements regarding interior climate makes it difficult to meet building regulations in terms of energy consumption. Finally, the impact of the building activities on the site had to be reduced to a minimum. By using Cross Laminated Timber for the structure of the building all complicating factors could be dealt with. Due to the prefabrication of the CLT elements building time was reduced to 9 months, with hardly any noise or dust. The use of wood along with advanced technology makes the building very energy efficient. Flexibility in the design permits individual rooms to be changed into apartments and vice versa at all times. The building method permits disassembling the building or parts of it if needed, making the project not only sustainable but also fully circular in terms of material used.



group dwelling with rooms

B - patient's apartment

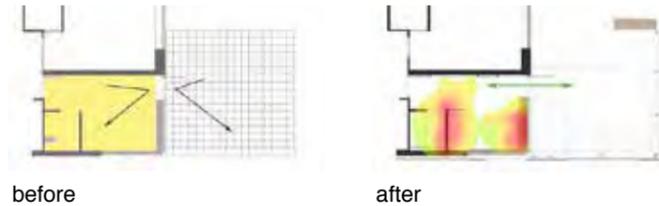
supported apartments

project: care apartment, Nieuwveen, NL
 architect: Möhn + Bouman Architects
 client: Mental Healthcare Organization
 Stichting Ipse de Bruggen
 design: 2012
 realization: 2013
 area: 25 sqm
 photography wall print: Martin Kers

DOLF'S ROOM | NIEUWVEEN [NL]

The project is our smallest project ever - but maybe the one with the biggest impact on the life of a single person. For almost 25 years Dolf lived in a room that could be described as a CoolCell. Being severely mental disabled but without physical constraints, he often poses a danger for himself and his environment. Furniture fixed on the floor along with walls and ceilings covered with plastic panels showed the helplessness of the care organization to deal with his behavior and handicap. Something had to be done, and we were asked to address this issue in another way.

While observing Dolf we were struck by the fact that he ran in and out continuously, wearing his rubber boots. It seemed he wanted to be a farmer and felt locked in his space. It brought us to the decision to design interior and outdoor spaces as a whole. A continuous floor is connecting apartment and garden, with a nearly permanent open connection. As a consequence the apartment is no longer considered as an equally heated space but equipped with heated spots, further enhancing sensory experiences.



A strong visual background is provided by covering the main wall with a huge print. The image, by photographer Martin Kers, refers to Dolf's faint memories of the countryside in which he grew up and has an obviously relaxing effect. By exploring new techniques and materials we were able to create an apartment that is molest-free and friendly at the same time. Overall, carefully tailored physical experiences helped creating a rich environment which obviously contributes to a much greater wellbeing of the particular patient.

Reacting in an intense and non repressive manner on peoples abilities and constraints required courage and led to an intense design process, involving architect, contractor, medical staff, family, behaviorists and facility managers. The final result is a tailored environment which contributes to a much better quality of life.

The investment made in both the design process as in slightly higher building costs proved to pay off. In the months after the realisation of the project, Dolf's behaviour improved significantly. Less staff was needed to deal with him, leading to cost-savings exceeding the extra investments in less than one year.

The project made clear how a well designed space based on carefully observed behavior and the right interpretation can change the life of people, both for patients as well as the people that care from them. It is considered a test case, and its findings are currently being applied within other situations throughout the client's organization.

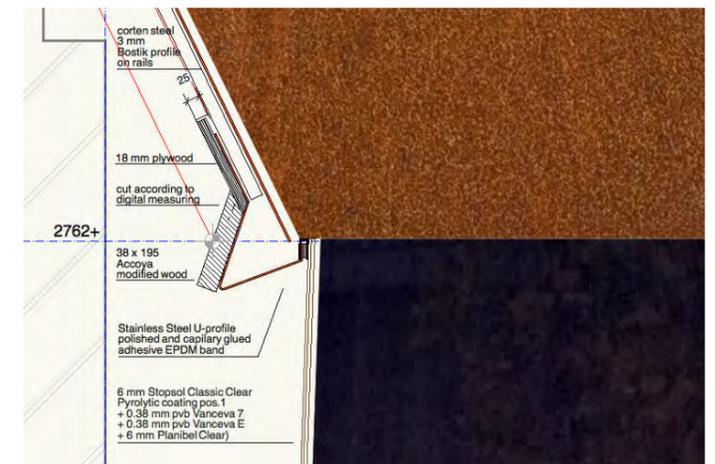
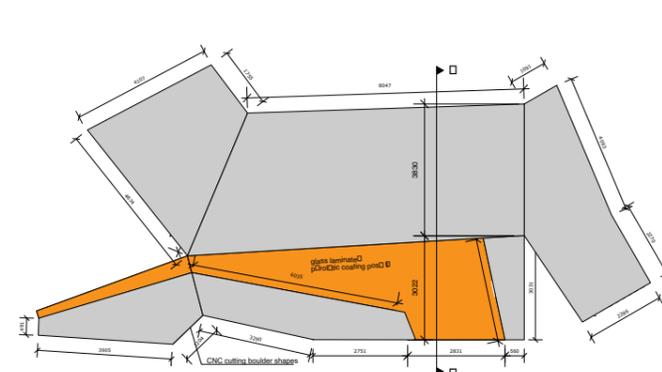


project: Iconic Office
 site : Emmen
 client: Orangerock Development bv
 design: 2011
 realization: 2012
 building costs: € 80.000,-

STEEL SCREEN | EMMEN [NL]



The project is situated in a former rural town that grew over the last decades into a medium-sized regional city. As a result of this process large parts of the city are transforming gradually towards a more urban character. The client is an innovative project developer, keen to play an active role in this process. Recently they acquired a piece of land close to the city centre for future redevelopment. On the site some old buildings with a rural character can still be found. Once the redevelopment takes place, expected within ten years, these buildings will be demolished. Until that moment the developer decided to use one of them, an old house, as his office. The challenge was to design an intervention to turn the house in a more representative office. The temporary character of the design allowed us to refrain from renovation and adapting. Instead we designed a Cortensteel screen that masks the old building. Corten steel rapidly develops an equal layer of rust which protects it from further decay. As a start the building was stripped of more recent extensions and cleaned. Precise measurements were then taken and translated into a 3D drawing, providing the basis for the design. The measurements included some large rocks that were found on the site, residues of the ice age, placed at a corner of the house. Based on the resulting 3D files the steel of the screen was completely computer-cut, allowing a sophisticated detailing. In the roof small colour-changing led-strips were introduced, like raindrops, and the name of the client was cut out of the steel. To blend with the rusted steel a special glass laminate was developed, combining coated glass and color layers. The abstraction of the material and details are emphasizing the folded geometry, which in turn reacts on the shape of the house. To prevent staining the glass, rusty water from the roof is guided to a hidden gutter. The gutter ends above a massive rock, gradually turning into an Orange Rock over the years.



project: Housing and shared facilities
for Indonesian elderly

site: Spijkenisse

client: Woonbron Projectontwikkeling
Kota Paku foundation

design: 2009-2010

realization: 2011

project size: 2500 m²

building costs: € 4.200.000

TRANSLUCENT HOUSING | SPIJKENISSE [NL]



This project concerns social housing for a group of Indonesian elderly, featuring 21 apartments and shared spaces. In close cooperation with a fire-safety expert it proved possible to integrate stairs in the corridors, thus eliminating staircases. Along with a very efficient storage solution in the ground floor this saved a significant amount of floor space. In doing so we were able to increase the size of the required shared spaces in the building by 30%. Corridors have been widened and transformed into meeting areas. In the ground floor a large shared living with kitchen can be found.

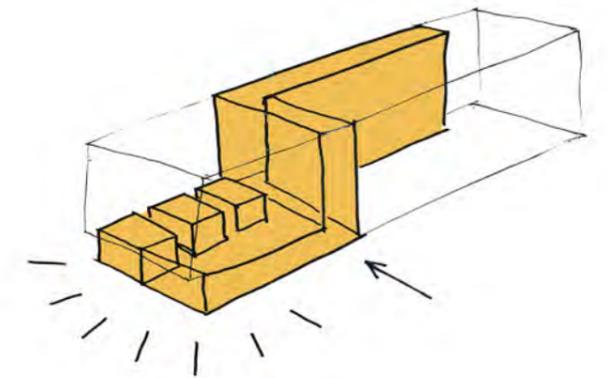
The building is divided in two parts, each with its own materialization, connected by a spacious void. To connect with adjacent buildings and to form a solid volume the western part is materialized in slate. Here the facilities can be found, with 6 larger apartments on top of them. The main volume is materialized entirely in translucent polycarbonate. The translucency of the material is emphasized by a layered facade structure and refers to the Indonesian culture.



plan



section



shared spaces = shared identity

office: Dok Architects, Amsterdam

role: Architect, Urban Designer

- teamleader
- communication and presentation with clients, institutions, stakeholders

projects: large scale projects, bridging urban design and preliminary design; mixed developments

BIG PROJECTS | DOK ARCHITECTS [NL]



- 1 : Oss / Walkwartier
- 2 : Amsterdam / NDSM Kavel B10
- 3 : 's Hertogenbosch / Kop van't Zand

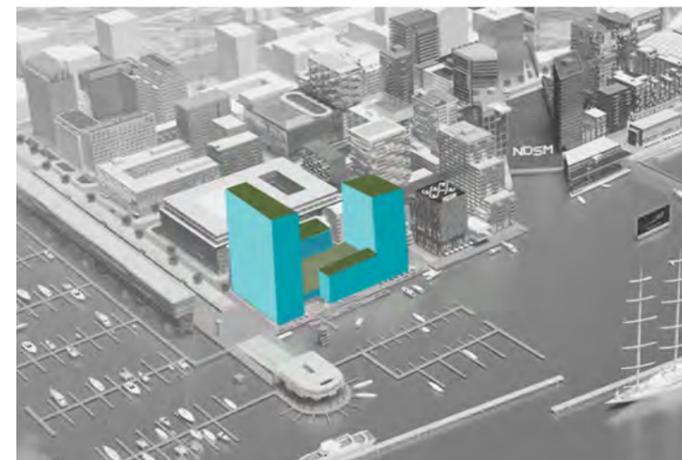
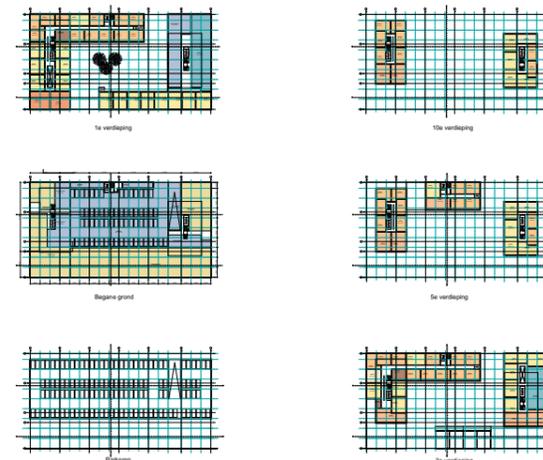
project: mixed development Walkwartier
 site: Oss
 program: retail, housing, cultural centre, parking
 size: 22.000 m2
 client: van Wanrooij Projectontwikkeling
 design / realization: 2018 / 2020
 landscape architect : Buro Lubbers

We had to work within a strict deadline, however many aspects of the program had yet to be defined. To deal with this issue we conducted an intense series of meetings with city planners and stakeholders of the cultural centre, enabling co-creation and actively avoiding political and financial problems which would have delayed the project.



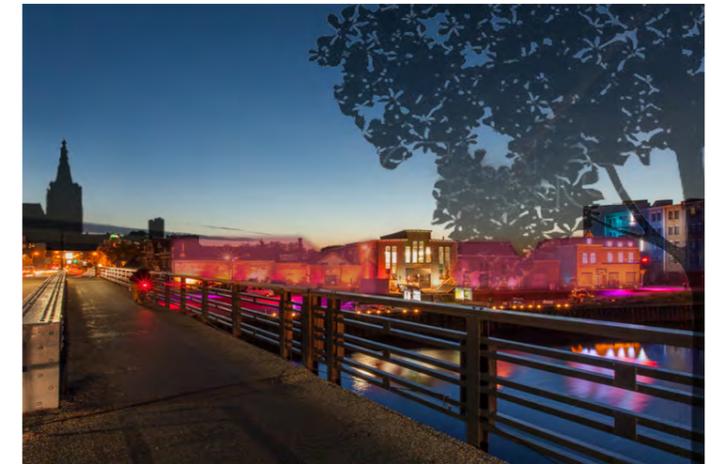
project: mixed development NDSM noord B10
 site: Amsterdam
 program: retail, offices, housing, parking
 size: 34.000 m2
 client: Biesterbosch / Volker Wessels
 design / realization: 2018 / 2019-2021

Following a radical change in an already complex program, linked to a strict deadline due to agreements between client and city, the project had to be redesigned nearly from scratch. In order to cope with these issues, we organized a workshop-like process in which results were presented every week, attended by stakeholders that were allowed to take decisions on the spot.



project: development vision Kop van't Zand
 site: 's Hertogenbosch
 program: mixed function
 client: Cornelis Huygens Projectontwikkeling
 design: 2018
 landscape architect : Buro Lubbers

The site of this urban development vision is a strategic location close to the city-centre, with the Dieze river right at its heart. It is characterized by monumental industrial buildings that are used for cultural purposes as a means of place-making. This aspect required a sensitive approach which led to the decision to reflect the qualities of its temporal use in the future use of the area.



Over the years I have been happy to work on urban design and public space projects in the Netherlands and Russia, work as an External Examiner Urban Design in Oxford and recent competitions in larger teams, often in close collaboration with landscape architects. It made clear to me that my focus and strength lay in projects that integrate architectural scales with urban design and landscape architecture, both in my work as in my teaching. It made me eager to find more opportunities to work on such projects on a more regular basis.

Such an opportunity arose when in spring 2018 I was asked by Liesbeth van der Pol to join Dok Architects on a temporary basis to work on large scale projects in Amsterdam, Oss and 's Hertogenbosch. With a team of people we succeeded in re-organizing and designing three projects in a very short period of time, focussing on the translation of an urban plan into building masses and an economically feasible scheme and finally a preliminary design.