‘Gezinnen op straat’

Accommodating modern families in Amsterdam
The specific target groups I chose to design for can together be called 'contemporary' or 'modern' families. More precisely the groups of single parent-, co-parent- and patchwork families belong to them. They differ from traditional, two-parent families in various ways. Mainly lower income and lack of a social safety net are problems single parent families have to deal with. They like to be part of a group or cluster and its very beneficial for them to have facilities, for example a kindergarten, close by. The latter two types of modern families can especially have complicated household compositions, generally also changing between weekend and weekday. For them housing that is adaptable is important.

The building is a two level plint with 3 volumes on it. In the plinth, a square is carved out. By this and the curving form, four playing areas are created. The volumes are connected by broad streets and four vertical circulation elements.

Each age level has different preferences for a playing location. Every age group however tends to play often on the side walk or street. I designed very broad streets to which each dwelling is directly connected, as well as different play areas for different age groups. This is an essential part of my design concept.
South facade | 1:300

Section through square
Dwelling size 104 m²
Floor level 2nd 3rd
Number of bedrooms 4

Dwelling B | 1:100

North facade
South facade
Dwelling size: 80 m²
Floor level: 4th, 5th
Number of bedrooms: 3

North facade

South facade
Dwelling size 93 m²
Floor level 0, 1st
Number of bedrooms 2-3
<table>
<thead>
<tr>
<th>Dwelling size</th>
<th>88 m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floor level</td>
<td>2nd, 3rd</td>
</tr>
<tr>
<td>Number of bedrooms</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Dwelling E | 1:100

North facade

South facade
Dwelling size: 63 m²
Floor level: 4th
Number of bedrooms: 2
Dwelling G | 1:100

Dwelling size: 123 m²
Floor level: 0, 1st
Number of bedrooms: 4
Doors can be closed to separate living and kitchen area

Folding doors can open up completely towards the street

Storage space underneath the staircase

Staircase can be closed off by a shifting door

Private part of the street is articulated by concrete tiles

Bay window offers a view along the water

Overhang creates a sheltered outdoor zone

Folding doors can open up completely towards the street
One large room can be split into two small ones

Bay window enlarges the small bedroom

Small room for laundry machines

Overhang creates extra space for bedrooms
Facade fragment South | 1:50

Detail A

Detail B

Detail C
- Concrete | 40 mm
- Waterproof membrane
- PIR insulation | 120 mm
- Concrete floor ('Breedplaatvloer') | 130 + 50 mm
- Ceiling finish (such as 'spuitwerk') | 10 mm

- Brick strips (Daas Victoria Falls), possibly acoustic | 23 mm
- Prefab concrete element, possibly (partly) insulation panel
- Steel strip
- Waterproof board | 20 mm
- Rockwool insulation (or insulation with comparable sound reduction and thermal qualities) | 200 mm
- Vapor barrier membrane
- Double plasterboard | 2x 12,5mm

Ventilation unit with pre heating and sound reduction (Climatop 60AK)

Aluminum folding door (Reynears CF77)
Concrete tiled floor
PIR insulation
Concrete floor (‘breedplaatvloer’)
Timber frame (HSB) + window frames
Prefab element including sunscreen
Steel strip
Insulation
- Concrete drainage tiles (Dreentegel) | 35 mm
- 'Plakzegel' (Dreentegel) | 4 mm
- Waterproof membrane
- PIR insulation | 120 mm
- Concrete wide slab floor ('Breedplaatvloer') | 130 + 50 mm
- Ceiling finish (such as 'spuitwerk') | 10 mm

- Screed with low temperature floor heating | 60 mm
- Waterproof membrane
- EPS insulation | 40 mm
- Insulating fill ('isolerende uitvallaag tbv akoestische ontkoppeling, bijv. steenwol') | 50 mm
- Concrete wide slab floor ('Breedplaatvloer') | 130 + 50 mm
- Ceiling finish (such as 'spuitwerk') | 10 mm
- Concrete wall | 250 mm
- Double plasterboard | 2x 12,5mm
- Vapor barrier membrane
- Rockwool insulation (or insulation with comparable sound reduction and thermal qualities) | 200 mm
- Waterproof board | 20 mm
- Daas ID wall ('isolatieplaat met gewapende cementlaag') | 140 mm
- Glue mortar | 7 mm
- Brick strip (Daas Victoria Falls) | 23 mm
Shafts & Fuse boxes
Floor extension for bay windows

Concrete wide slab floor ‘Breedplaatvloer’

(In situ) Concrete walls

Concrete columns

5400 mm
View on kinder garden
View on hill to play on
View on ground floor street
View on street in the sky