live/work-building

Towards an efficient use of the city

Remco Schrijver
4517342

P5 drawing booklet
Dutch Housing graduation studio
31-01-2019

Theo Kupers
Ferry Adema
Pierijn van der Putt
Location analyses
Live/work-building - location analyses
Live/work-building - location analyses
Live/work-building - location analyses
Design

Building mass
Situation
Live/work-building - Situation (1:500)
Design

Floor plans
Live/work-building - Design - floor plan 2nd floor
Live/work-building - Design - floor plan 3rd floor
Live/work-building - Design - floor plan 5th, and 7th floor
Live/work-building - Design - floor plan 10th floor
Live/work-building - Design - floor plan 11th floor
Live/work-building - Design - floor plan 13th floor
Design

Floor plans dwellings
Flexibility related to constructive walls

Flexibility related to use of space

Orientation of dwellings on the sun

Two-sided orientation of living room

Fixed furniture

Sight-lines in the dwelling
Live/work-building - Design - typical floor plan three dwellings
Type 1A: 4/5 personen
14 woningen
110 M² BVO + 12 M² loggia
120 M² BVO + 8 M² balkon

Type 1B: 1 persoon
7 woningen
49 M² BVO + 5 M² loggia

Live/work-building - Design - typical floor plan three dwellings
Live/work-building - Design - typical floor plan four dwellings
Type 1C: 2/3 personen
22 woningen
68 M² BVO + 5 M² loggia
75 M² BVO + 8 M² balkon

Type 1D: 2 persoon
16 woningen
62 M² BVO + 12 M² loggia
73 M² BVO + 5 M² balkon
Live/work-building - Design - typical floor plan three dwellings
Type 2A: 4 personen
8 woningen
96 M² BVO + 8/10 M² balkon

Type 2B: 1 persoon
4 woningen
39 M² BVO + 5 M² balkon

Live/work-building - Design - typical floor plan three dwellings
Live/work-building - Design - typical floor plan four dwellings

Type 2C: 2 personen
10 woningen
58 M² BVO + 8 M² balkon

Type 2D: 2 persoon
10 woningen
56 M² BVO + 5 M² balkon
Design

Facades
Live/work-building - Design - south facade
Live/work-building - Design - north facade
Section
Fragment and details
- Aluminium kozijn met HR++ triple glas (veiligheidsglas)
  - Reynaers SL 38
- Glasbalustrade
  - Storax Trans-level 60 (1,0 kN)
- Zonwering zijgeleider
  - Ducoscreen Top 120 FDX
- Aluminium kader

- Vloerafwerking n.t.b.
- Dekvloer incl. vloerverwarming
- Zwevende dekvloer t.b.v. geluidsdemping
- Betonopstort
- Breedplaatvloer

Live/work-building - Detail 1 (1 : 5) - typical vertical detail of the facade with the connection to the floor
Live/work-building - Detail 2 (1:5) - vertical detail of the loggia with the connection of the sliding doors and balcony floor to the constructive floor.
- Aluminium kader
- Glasbalustrade
  Storax Trans-level 60 (1,0 kN)
- Aluminium kozijn met HR++ triple glas (veiligheidsglas)
  Reynaers SL 38

- Betonkolom (niet constructief)
- Dampdichte folie
- HSB-element met isolatiemateriaal
- Beplating
- Damp open, waterkerende folie
- Bevestiging t.b.v. gevelafwerking
- Gevelafwerking (steenstrips op plaatmateriaal)
- Aluminium kader
- Glasbalustrade
  Storax Trans-level 60 (1,0 kN)
- Aluminium kozijn met HR++ triple glas (veiligheidsglas)
  Reynaers SL 38
- Betonkolom (constructief)
- Stalen bevestigingsanker t.b.v. ophanging gevelelement
- Dampdichte folie
- HSB-element met isolatiemateriaal
- Beplating
- Damp open, waterkerende folie
- Bevestiging t.b.v. gevelafwerking
- Gevelafwerking (steenstrips op plaatmateriaal)
Construction
Live/work-building - Construction scheme
Live/work-building - Constructive walls of a typical floor plan with four dwellings
Live/work-building - Constructive walls of a typical floor plan with three dwellings
Live/work-building - Constructive solution roof entrance
Climate
Impressions
Live/work-building - Impressions
Live/work-building - Impressions