DE COLLECTIEVE WOONSTRAAT
‘THE COLLECTIVE LIVING STREET’
CONTENT

CONCEPT

DESIGN
URBAN PLAN
FLOOR PLANS
SECTION
IMPRESSION

DWELLING TYPES
FLOOR PLANS
IMPRESSION
FLEXIBLE FURNITURE DESIGN

COLLECTIVE FACILITIES

FACADES
MATERIAL
FACADE DRAWINGS

BUILDING TECHNIQUES
SECTION
CONSTRUCTION PRINCIPLES
ROUTING
CLIMATE DESIGN
CONCEPT
FOLLOWING HISTORICAL SIGHTS

OPENING UP TO WATER

COLLECTIVE GARDEN / PLAYGROUND

TERRACED SHAPE

TERRACED SHAPE PROVIDES A PRIVATE OUTDOOR SPACE ORIENTATED TOWARDS PLAYGROUND / COLLECTIVE GARDEN

CONNECTION OF THE TWO BUILDINGS BY WALKING BRIDGES
COLLECTIVE FACILITIES
ROOF GARDEN / URBAN FARMING

LAUNDRY

GUEST ROOM

KITCHEN & LIVING AREA

FLEX WORKSPACES
COLLECTIVE FACILITIES | IMPRESSION

GROUND FLOOR
FLEXIBLE WORKING SPACES

FIRST FLOOR
SHARED KITCHEN
VISIBILITY
The collective facilities are located next to the main staircase to enhance the use of the facilities. The separation wall is made of glass to give extra visibility which should also enhance the usage of the spaces.

VISIBILITY
The spaces should be flexible of usage so it can serve as a living room, but can also be used for meetings, to throw a (children) party, workshops etcetera. Therefore the sanitary facilities are placed in the back of the room, so the rest remains open and flexible in usage.
DWELLING A
68 M²
1:100
FLEXIBILITY
FERMACELL FLEXIBLE WALLS ARE USED IN ALL THE DWELLING TYPES TO GIVE EXTRA FLEXIBILITY IN AMOUNT AND SIZE OF THE BEDROOMS AND THE LOCATION OF THE LIVING AND SLEEPING AREAS.

DWELLING B
73 M²
1:50
DWELLING C

104 M²
1:100
DWELLING D

64 M²
1:100
FLEXIBLE FURNITURE DESIGN | CHOOSEABLE COMPONENTS

When moving in, people have the possibility for this flexible furniture design, where they can choose from different components. The components can be changed after time.
POSSIBILITY PARENTS BEDROOM

POSSIBILITY CHILDREN'S BEDROOM
FACADES
FOR THE MATERIALS, I WAS LOOKING FOR A CONTRAST. THE OUTER FACADE REACTS TO ITS SURROUNDINGS: CHARACTERISTIC CANAL HOUSES. THE INNER FACADE CONTRAST TO THIS BY LIGHT MATERIALS, WOOD, PLANTING AND CREATE A MORE INFORMAL AMBIANCE.

WOOD IS USED TO MARK THE PRIVATE OUTDOOR SPACES/ZONING. THE SURROUNDING EXISTING BRICKWORK IS USED ON THE PATHWAYS TO MARK THE PUBLICITY OF THE STREETS.
Stone tiles
Rainwater fall
Water resistant layer
Pir insulation 60 mm
Vapor barrier
Apartment floor 260 (hollow-core slab floor)
Finish layer
BisotON concrete facade element 100 mm
Duoscreen front 150
Water resistant layer
Insulation
Vapor barrier
Finish layer
Schuco HR +++ glass
ClimaTop 60
Drain grid
Gutter
Fermacell floorplates 2x 10 mm
Floor heating PE-RT pipe 16 mm
Qualitherm flooring system “IDEAL ÖKO” 30 mm
Vapor barrier
Apartment floor 260 (hollow-core slab floor)
Finishing layer

Rainwater pipe
Wooden planter (In style of:)
MOSO Bamboo X-treme flooring 20 mm
Rainwater fall
Water resistant layer
PIR insulation 60 mm
Vapor barrier
Apartment floor 200 (hollow-core slab floor)
Fermacell floorplates 2x 10 mm
Floor heating PE-RT pipe 16 mm
Qualitherm flooring system "IDEAL ÖKO" 30 mm
Vapor barrier

Apartment floor 260 (hollow-core slab floor)
Finishing layer

200 30 100 100

Brick facade (2x 100 mm)
Rainwater pipe
Stone strips 25 mm
Water resistant layer
Timber frame construction 200 mm
Vapor barrier

Schuco HR +++ glass
ClimaTop 60
Schuco HR +++ glass
Stone sill

DETAIL C | 1:5
SUN SCREEN & VEGETATION
AS A SUN SCREEN

RAINWATER IS COLLECTED IN THE
BASEMENT TO BE RE-USED

FLOOR HEATING IS PROVIDED
BY CITY HEATING

PV CELLS

NATURAL VENTILATION WITH
PRE-HEATING AIR GRATE

PERGOLA WITH PLANTING
PROVIDES EXTRA SUN SHADING

CLIMATE DESIGN