URBAN DEFINITIONS
Fragment Street Pattern

FRAGMENTATION
Fragment the volume to create patterns for
footpath and pedestrian space

OPEN-UP
Open up the building to improve spatial and visual
connectivity and secondary routes

HEIGHT ADJUSTMENTS
Lift up volumes to create a visual screen for privacy
and adjust height to gain daylight penetration

URBAN COMMUNITY
LIANDER
SUB-TRANSFORMER STATION
FREESTANDING
HEIGHT ADJUSTMENTS
MAINTAIN STREET PATTERN
FRAGMENT THE VOLUME TO CREATE PATTERNS FOR
MOVEMENT AND SEMI-PUBLIC SPACE.
OPENING THE PLAN TO EMPHASIS SPACES AND ESTAB
LISH MAIN AND SECONDARY ROUTINGS.
LIFT UP VOLUMES TO CREATE A VISUAL BORDER FOR PRIVACY
AND ADJUST HEIGHT TO GAIN DAYLIGHT PENETRATION

COLLECTIVE GEOTHERMAL STORAGE
HEAT PUMP COLLECTIVE - CASCADE
HEAT EXCHANGER

WATER RESERVOIR
INBETWEEN FOUNDATION +0.8M
*LOCATED UNDERNEATH
STAIRCASE GROUND FLOOR
NO WATER COLLECTING ACCESSIBLE ROOF

WATER COLLECTING
PLUVIA SYSTEM
GREY WATER FILTRATED BY
VEGITATION ROOF
INBETWEEN FOUNDATION
+0.8M

N
CONNECTING MARNIX BLOCKS
THE NEW URBAN COMMUNITY
GROENMARKT KADE, AMSTERDAM CANAL DISTRICT

Dwelling Graduation Studio, Dutch Housing Studio.

EMPHASES ENTRANCE

BY MAKING A VOLUME TO EMPHASIZE THE ENTRANCE AND SIMULTANEOUSLY CREATING A SET BACK IN VOLUME TO EMPHASIZE THE ENTRANCE AND SIMULTANEOUSLY CREATING SEMI-PUBLIC SPACE

PROGRAMMATIC INFILL

ROTATING DWELLINGS ACCORDINGLY TO THE COMMUNAL CIRCULATION SCHEME

FAÇADE WRAPPING

AESTHETIC CODING LAYER OF THE DWELLING BLOCK/UNIT

URBAN PLATFORM

UNDER THE CANOPY A L-SHAPED DWELLINGS CIRCULATION WITH COMMUNAL SPACE

REPRESENTATIVE FLOOR PLANS

1:100

SOUTERRAIN

FIRST FLOOR

SECOND FLOOR

THIRD FLOOR

REPRESENTATIVE SECTION

1:50
THE NEW URBAN COMMUNITY
GROENMARKT KADE, AMSTERDAM CANAL DISTRICT
3/7
Dwelling Graduation Studio, Dutch Housing Studio.

CONSTRUCTION PRINCIPLE

METAL FLOOR-DECKING
"ZWALUWSTAART FLOOR"

INSTALLATION AND STRUCTURAL
CORE, CROSS LAMINATED TIMBER

FLOOR HEATING

CONCRETE FLOORING

STEEL FRAME + PERFORATED
BEAMS ACTING AS SYSTEM FLOOR
- WOODEN INLAY BEAMS

L-SHAPED DWELLING POSITIONED
AROUND COMMUNAL SPACE

COMMUNAL SPACE IS ENCLOSED BY CURTAIN WALL.

FACADE WRAPPING
"FUNCTIONS INDEPENDENTLY
FROM THE DWELLING SKIN"

EXTERIOR
SEMI-INTERIOR
CLIMATE BUFFER
SOLAR HEATING
GLASS FACADE SKIN
SOUTHERN OR.: DUBBEL HR++ (ARGON)
NORTHERN OR.: TRIPPLE HR++ (ARGON)

NATURAL VENTILATION
ROOF AND FACADE
SHADING

CLIMATE ASPECTS COMMUNAL "CIRCULATION SPACE"
UNFOLDED SECTION
THE NEW URBAN COMMUNITY
GROENMARKT KADE, AMSTERDAM CANAL DISTRICT

Dwelling Graduation Studio, Dutch Housing Studio.

URBAN BOUNDARIES
HEIGHT AND SUBDIVISION TWO STORIES

APPRAOCH AND ENTRANCE
OFFICIAL BUILDING ENTRANCE PROVIDING ACCESS TO COMMON AREAS, ORMALLY TENDING TO INSIDE ENTRANCE

PIX-ELATING PROGRAMMATIC INFILL
DIVING INTO CORRIDORS, CORRIDORS, EXPANDING OUT THE CITY DWELLINGS, ACCENTUATING THE FACADE

REACHING OUT
EXPANDIAL EXPOTRANSITION AND DOORWAY ON THE FUTURE

WORKING, MULTI-PURPOSE SPACE

CITY DWELLING

REPRESENTATIVE FLOOR PLANS

1:100
THE NEW URBAN COMMUNITY
GROENMARKT KADE, AMSTERDAM CANAL DISTRICT
Dwelling Graduation Studio, Dutch Housing Studio.

CONSTRUCTION PRINCIPLE

- WOODEN INLAY BEAMS
- METAL FLOOR-DECKING
- "ZWALUWSTAART FLOOR"
- FLOOR HEATING: COMMUNAL SPACES HEATED BY CENTRAL AIR HEATING.
- CONCRETE FLOORING
- INSTALLATION SHAFTS
- SMALL CITY DWELLING UNITS CLUSTERED AROUND COMMUNAL/SHARED CORRIDOR
- STEEL FRAME - PERFORATED BEAMS ACTING AS SYSTEM BEAMS