LIVING & WORKING COMBINED IN HOUSING

WILLEM MIDDELDORP
VARIOUS COMBINATIONS OF LIVING & WORKING

SLOW TRANSFORMATION POSSIBLE

DIY

COLLECTIVE WORKSPACES

AMBITION FOR LOCATION

HARBOUR STYLE AREA

RAW

REFERENCE TO INDUSTRIAL HISTORY

CPO BASED

CRIZES PROOF

OWN AMBITION FOR LOCATION
WHY I HAVE THIS AMBITION?

WITH THE DESIGN REACT ON

CURRENT FINANCIAL SITUATION, CRISIS, LOCAL CONDITIONS & SPECIFIC LOCATION IN AMSTERDAM NORTH
STATEMENT:
HOW CAN I COMBINE LIVING & COLLECTIVE WORKSPACES IN HOUSING?

RESEARCH INTEGRATION:
HOW CAN THE ‘STREET’ CONCEPT BE RE-INVENTED IN THIS KIND OF HOUSING?
LOCATION DISTELWEG

LOCATION SIZE
36,000 M²

ANTI KRAAK BEDRIJFSGEBOUW

PONT BSH-HOUTHAVENS-NDSM

LOODS GROOTHANDEL

ZINKERIJ (ONLANGS GESLOOPT)

Johan van Hasseltstraat-West

DISTELWEG

IJ

116 M

319 M
CURRENT SITUATION

CREATE INNER HARBOUR WITH DIRECT CONNECTION TO IJ
BLOCKS ARRANGED AROUND WATERFRONT

DIFFERENT BLOCKS ON MAIN AXES PLAN
INFRASTRUCTURE ADD TO PLAN (ROAD TO NDSM, CIRCULATION STREETS PARKING BLOCKS)
THE ‘WHARF’
THE PRESENTATION MSc 4

MAIN ROADS ON LOCATION

PEDESTRIAN & GREEN AREAS

INFRASTRUCTURE URBAN PLAN
FUTURE CONNECTION BUIKSLOTERHAM-ND SM AREA

CIRCULATION & ACCESS PARKING DWELLING BLOCKS IN PLAN
THE ‘WHARF’
P5 PRESENTATION MSc 4

INFRASTRUCTURE URBAN PLAN

PARKING CONCEPT DWELLING BLOCKS IN PLAN

17/49
TYPICAL SECTION URBAN PLAN WITH INNER HARBOUR

V HASSELT KANAAL

DISTELWEG

WHARF
THE
P5 PRESENTATION MSc 4
LOCATION DESIGNED BLOCKS IN URBAN PLAN
THE ‘WHARF’

P5 PRESENTATION MSc 4

SHIPYARD BLOCK

21/49

STUDIO BLOCK

GREEN BLOCK

DESIGNED BLOCK THEMES
‘STREETS IN THE SKY’ GOLDEN LANE HOUSING
Sections with designed blocks in plan:

**Section A Urban Plan**
- Shipyard Block
- Green Block

**Section B Urban Plan**
- Shipyard Block
- Studio Block
- Green Block
THE 'WHARF' P5 PRESENTATION MSc 4
THE 'WHARF'
P5 PRESENTATION MSc 4

BASIC FACADE ELEMENT

INSPIRATION

CONSTRUCTION & FACADE SYSTEM
OPTION 1

OPTION 2 WITH ADDITIONAL FRAME WORK

MAIN CONSTRUCTION DESIGN BLOCKS
THE ‘WHARF’

P5 PRESENTATION MSc 4

DETAILS FACADE & CONSTRUCTION
CO2 SENSOR BASED NATURAL VENTILATION SYSTEM

MAIN VENTILATION SYSTEM DWELLING BLOCK

VENTILATION SYSTEM WORKSPACE
GLASS PANELS GREENHOUSE BLOCK

SOLAR CEL IN GLASS PANELS

CLIMATE DESIGN DWELLING LEVEL