THE HAARLEMMERPOORT CONNECTS

THE HAARLEMMERPOORT AS A POINT OF PHYSICAL AND SOCIAL CONNECTION BETWEEN CENTRAL AMSTERDAM AND THE WESTERN DISTRICTS
INTRODUCTION

BUILDING CHOICE

AMSTERDAM

PROJECT AREA

CITY DISTRICTS

HAARLEMMERPOORT

CONNECTION POINT

BORDER LOCATION

THE HAARLEMMERPOORT CONNECTS

INGEBORG KUIJLAARS
INTRODUCTION

AMSTERDAM’S FUTURE PLANS

EXPAND CENTRE

RE-GREEN CITY
INTRODUCTION

MAIN RESEARCH QUESTION

HOW CAN THE HAARLEMMERPOORT BE REDEVELOPED IN KEEPING WITH ITS IDENTITY TO BECOME A POINT OF PHYSICAL AND SOCIAL CONNECTION BETWEEN AMSTERDAM CENTRUM AND THE WESTERN DISTRICTS?
INTRODUCTION

POSITION ON HERITAGE

WORK WITH (THE VALUES OF) THE EXISTING BUILDING
ANALYSIS

CITY DEFENCES DEVELOPMENT

1ST & 2ND UITLEG

3RD UITLEG

4TH UITLEG

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ANALYSIS

DEFENSIVE TO CEREMONIAL

1618 - 1837

1840
ANALYSIS

SITE DEVELOPMENT

1618 - 1837
TREKVAART

1840
TRAIN STATION

1890
BUS AND TRAM

1970
6 LANE HIGHWAY
ANALYSIS

SITE DEVELOPMENT

CURRENT SITUATION

TRANSPORT

SQUARE

GREEN
ANALYSIS

BUILDING

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ANALYSIS

RENOVATION - HUBERS EN DE BOER

1981

SQUATTING 1978

2012

RENOVATION 1985
ANALYSIS

DETAILING AND CONDITION

SLANTED ROOF

VENTILATED CAVITY

FLAT ROOF

DAMP PROOF LAYER

OVERDUE MAINTENANCE
ANALYSIS

CHANGING SYMBOLIC FUNCTION

1874

1898

1928(?)

2003

NOW
VALUE ASSESSMENT

LARGELY SYMBOLIC

HISTORICAL IMPORTANCE

HISTORICAL CONNECTION

PHYSICAL AND SYMBOLIC LANDMARK

SANDSTONE FACING

SYMBOLIC

SYMBOLIC

SYMBOLIC

PHYSICAL

PRIMARILY A SYMBOLIC MONUMENT
MASTERPLAN - STARTING POINTS

GUIDING THEME

CONNECTION

CITY PLANS

EXPAND CITY CENTRE

EXTEND GREEN

CRITERIA

EXPAND CITY CENTRE

BRING IN GREEN

LINK TO SQUARE
MASTERPLAN - STARTING POINTS

HISTORY OF DISCONNECTION

1840 - DIRECT LINK

1890 - INDIRECT LINK

VISUAL THROUGH PHYSICAL AROUND
MASTERPLAN

REINFORCE HUMAN CONNECTION - REDUCTION OF AUTOMATED TRAFFIC

TRAFFIC DOMINATES
ADD LINK
NARROW TRAFFIC ARTERIES

CURRENT
SUGGESTED ONE WAY SYSTEM
MASTERPLAN

REINFORCE HUMAN CONNECTION - REDUCTION OF AUTOMATED TRAFFIC

CURRENT TRAFFIC WIDTH - HAARLEMMERPLEIN

PLAN

CURRENT TRAFFIC WIDTH - HAARLEMMERWEG

PLAN
MASTERPLAN

EXTENSION OF THE GREEN

WESTERPARK

EXTEND GREEN INTO CITY

GRADIAL PARK LANDSCAPE
MASTERPLAN

OVERVIEW OF MASTERPLAN

REFERENCES

WESTERPARK

CURVED GRASS FORMS

DIRECTIONAL SQUARE
PROGRAM - STARTING POINTS

GUIDING THEME

CONNECTION

CRITERIA

CONNECTING DISTRICTS BY CONNECTING PEOPLE

EXPAND

SPECIAL FUNCTION FOR A LANDMARK BUILDING
THE PROMOTION AND FACILITATION OF VOLUNTEERING

VOLUNTEERISM FACTS

- every sector of the community benefits from the work of volunteers
- significant positive impact on community in social and economic terms
- attracts a wide variety of people (at risk children benefit most)
- volunteers live longer
PROGRAM

VOLUNTEER CENTRE AMSTERDAM

PERMANENT LOCATIONS

TEMPORARY LOCATIONS
NEW WEST, SOUTH AND LANDSMEER

TASKS

- the mediation of volunteers
- advisory role for volunteer organizations
- promotion of volunteering
- centre of administration
- recruitment point for foreign aid workers
- exhibition and support facilities to raise awareness about global development issues and Ireland's role in global development work
GUIDING THEME

CONNECTION

CRITERIA

LANDMARK

VISUAL LINKS

PHYSICAL LINKS

INTIMACY

MAINTAIN DIFFERENCES

OVERLAP OLD AND NEW

VISIBLE CONNECTIONS
DESIGN

GUIDING THEME

CONNECTION

DESIGN RULES

EXPAND UPWARDS
WITHIN ENVELOPE
1 BUILDING 2 STAGES
STRIPPED STYLE
SIMILAR COLOUR AND MATERIALITY

RECTANGULAR FORM
SYMMETRICAL
SIMILARLY HEAVY
PROPORTIONAL
RHYTHM
STRUCTURAL RELATIONSHIP
DESIGN
DIVISION OF PROGRAM

LEGEND
1 ENTRANCE FOYER
2 CAFE
3 EXHIBITION AREA
   WITH WORKING SPACE
4 VOLUNTEER CENTER
5 LOCAL CHARITIES
A NATURE AND ENVIRONMENT
B EVENTS
C SPORTS AND RECREATION
D EDUCATION
E ARTS AND CULTURE
F HEALTHCARE AND WELFARE
DESIGN

FACADE

CRITERIA

1 BUILDING
2 STAGES

SIMILAR COLOUR
AND MATERIALITY

≤ 5kg

SIMILARLY HEAVY
DETAIL A - SLAB vertical
limestone slab 40mm
blind mounting profiles
steel tee 100x100mm
steel angle 50x80mm
anchored to concrete
waterproof membrane
insulation 100mm
lightweight concrete 300mm
with insulating properties
insulation 100mm
double bitumen layer

DETAIL C - STRIPS vertical
limestone strip tiles 20mm
mortar setting bed 7.5
mortar scratch coat 12.5
blind mounting profiles
steel tee 100x100mm
steel angle 50x80mm
anchored to concrete
waterproof membrane
insulation 100mm
insitu reinforced concrete 300mm
plasterboard 10mm
DESIGN

EXTENSION STRUCTURE

RED - CONCRETE BLOCK IN BAYS
BLUE - IN SITU CONCRETE
GREEN - TIMBER BEAMS (IN BAYS) LIGNATUR PANELS (ABOVE COLONNADE)

CRITERIA

RHYTHM AND DIVISION

STRUCTURAL RELATIONSHIP

1 BUILDING
2 STAGES
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DESIGN

EXTENSION STRUCTURE

CHOICE CRITERIA

SEPARATE STRUCTURE

HISTORIC FOUNDATIONS
1618 (RED) 1840 (BLACK)

FOUNDATION PARAMETERS

FOUNDATION

DETAIL D - CONSTRUCTION vertical
sandstone facing 40mm
masonry 290mm
insulation 100mm
  timber battens 600mm hth
concrete block 290x140x190mm
  infilled with concrete
  and reinforcement
lime plaster 10mm

DETAIL E - FOUNDATION vertical
concrete slab 300mm
  movement joints
at existing structure
piling cap
piles
  drilled cast-in-place
  concrete piles
DESIGN

EXTENSION STRUCTURE

DETAIL F - vertical
reinforced insitu concrete 600mm

DETAIL G - vertical
insulated lignatur element 280
mounted with steel angle
DESIGN

ENTRANCE FOYER

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**ENTRANCE FOYER**

- **BRIDGE CARRIED BY NEW CONSTRUCTION**
- **BRIDGE CARRIES WIND LOAD OF GLAZING**

**DETAIL H - BRIDGE LINK vertical**

- Channel profile: 200x550mm
- Steel footplate: 80x80mm
  - With SHS profile (80x42x42mm)
- Channel profile: 595x52x52mm
- Glass fin connector: 280x200mm
  - Bolted with rubbers between glass and steel
- Structural glazing: 300mm

**DETAIL I - BRIDGE**

- Shoe for glass fin
- Coffered ceiling partially removed during installation

- Channel profile: 200x550mm
- Beams for floor: 150x50mm
- Steel flange: 100x10mm
  - Welded to channel profile with triangular reinforcements
- Channel profile: 115x200mm
  - For catching windload of glazing
- Beams: 100x38mm
- Battens: 20x30mm
- Steel sheet: 1050x2500x20mm

- Shoe for glass fin
- Cast into cantilevered concrete slab of foundation
DESIGN

1ST FLOOR - MEZZANINE

CRITERIA

HEIRARCHICAL ROUTING

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DESIGN

1ST FLOOR - EXHIBITION SPACE

CRITERIA

INTIMACY

VISUAL DETAILING

PHYSICAL & VISUAL LINKS
DESIGN

2ND FLOOR - EXHIBITION SPACE

CRITERIA

MAINTAIN DIFFERENCES

VISUAL DETAILING
DESIGN

3RD FLOOR - OFFICE SPACE

CRITERIA

RHYTHM AND DIVISION
VENTILATION - STACKED CROSS VENTILATION

PRINCIPLES APPLIED

IN SECTION

IN PLAN

HEIGHT DIFFERENCE

AIR FLOW
HEATING - UNDERFLOOR HEATING

DETAIL

DETAIL K - UNDERFLOOR HEATING

- timber floor boards: 250x22mm
- vapour barrier
- aluminium conducting sheet: 0.5 mm
- pipe clamps
- heating pipes: 0.6 mm
- battens: 50x30mm
- insulation between: 18mm
- underlayment layer
- insulation: 100mm
- battens: 20x20mm
- acoustic panels: 35 mm

DIAGRAM OF CLIMATE ZONES

- indoor
- semi-indoor
- semi-external
- underfloor heating