Siteplan
New situation

Vertical section

Polder inlet

N

5000cm
Housing complex
1st floor

- Public path
- Retention pond
- Central square
- Technical room
- Common living room & patio
- Bicycle storage & container room
- Larger housing unit
- Helophyte filter

Legend:
- Light yellow: Private
- Orange: Residents only
- Grey: Public
Housing complex
Facade & section

West facade

Section
Impression - Public path
Drawing set for graduation project ‘Natural passive housing in the Lange Bretten of Amsterdam’ by Rosemarie Escher
Housing unit
Section
Impression - Living spaces
Housing unit
Balcony facade

Vertical section

Front view
Housing unit
Balcony facade

Vertical section

Front view
Impression - Balcony facade
Facade detail
Balcony facade

Inspiration

Horizontal section
Balcony

Corner detail

Facade detail
Balcony facade

Inspiration

Horizontal section
Balcony

Corner detail
Rain drainage
Section
Rain drainage

Details
Water systems
Section

Sewage
Helofyte filters
Grey water
Black water
Drinking water
Central drinking water unit
Rainwater storage tank
Retention pond

Flush water
Shower
Toilet
Washing machine
Sink

Drawing set for graduation project ‘Natural passive housing in the Lange Bretten of Amsterdam’ by Rosemarie Escher
Heating & cooling
Overview
Heating & cooling
Passive techniques

Hot summer days

Cold winter days
Wooden structure
Principle

[Diagram of a wooden structure with labeled parts 1 to 15, showing measurements and angles.]
Structure
Permanent aspects

Future possibilities
Combining
Extending

1m

1m

Braces (permanent)

Columns (permanent)

Main horizontal beams (permanent)

Grid lines (permanent)

12.68°

9

10

1

2

Splitting