DEMENTIA
Dementia Care Centre for the elderly, small scale living

Suzanne Glas 4012046
Interiors - the healty environment

Mechthild Stuhlmacher, Eireen schreurs and Maarten meij
235,000 people with dementia in the Netherlands 2012

1 of 5 gets dementia

500,000 people with dementia in the Netherlands 2050

An illness of the brain whereby rational and cognitive abilities decrease.
Mental decline of the demented brain

Research// Mental decline

1. Full Consciousness
2. Emotional Consciousness
3. Basic Emotions
4. Sensory Perception
1. Full Consciousness
2. Emotional Consciousness
3. Basic Emotions
4. Sensory Perception

Mental decline of the demented brain
Positive stimuli

Research// Positive stimuli
Research // Alegunda, Bedum
A few negative impacts of physical restraint:

- Stress,
- Depression,
- Aggressiveness,
- Decreased mobility,
- Wandering.

Positive stimuli:

- Possibility to walk,
- Change and various incentive,
- Natural environment,
- Controlling,
- Recognizable forms.
We speak of small scale living when a small group of people, who need intensive care and support, are living with each other in a house which makes it possible to live life as normal as possible.

Design themes:
- Orientation
- Domesticity
- Freedom
- Recognizability
We speak of small scale living when a small group of people, who need intensive care and support, are living with each other in a house which makes it possible to live life as normal as possible.
Location // Volewijck Amsterdam Noord
Location// Johanna margaretha kinderdagverblijf
Location// Urban fabric and park
Location// Relation
Family neighbourhood

2/3 storeys

Build 1900-1945

Location// Neighbourhood
Location// Existing building
Design approach/ Structure

Urban square

Facilities

hofje

Frontdoor

hofje

Frontdoor
Design approach // Hofjes

- Recognizable
- Orientation
- Structure
- Domestic
Design approach// Building principle
Design approach // Urban proposal
Design approach// West 8 route
Design approach// Orientation
Design approach // Orientation
Design approach: Gardens

SENSE GARDEN

ACTIVE GARDEN

ROOF GARDEN
Design approach// Gardens

SENSE GARDEN

ACTIVE GARDEN

ROOF GARDEN

“HOFJE”
Design // Het groene hof and the daycare
Sensory garden

Design // First floor
Design // First floor households
Design // First floor households
Sensory garden

Greenhouse

Roofgarden with pergola

Household

Design // First floor roofgarden
Design // Materialisation
Design // Front view and park view
Design // Side views
Design // Section urban square
Design // Section urban square
Design // Section urban square
Design // Section urban square
Design // Section Johanna margaretha hof - urban square - groene hof
Design // Section Johanna margaretha hof - urban square - groene hof
Design // Section Johanna margaretha hof
Design // Section daycare - groene hof
Design // Section daycare - groene hof
Design // Section groene hof
Design // Section daycare
Design // Section Johanna Margaretha hof
Construction// Facade repetition & small spans
Green roof for insulation combined with pv cells

Greenhouses with solar panels to collect heat

Climate//
Climate// Heat storage
Climate// Mechanical ventilation
// Zoom-in household
// Zoom-in household
"What day is it,?" asked Pooh.
"It's today," squeaked Piglet.
"My favorite day," said Pooh.

//The End
Thank You//