O P E N T H E Living Environment Design for Reconciling Social Loneliness in Old Age



Questionnaire White Board

Name:_____ Age:_____ When Moved Here:_____ From Where:_____

'The Thing' valued most:

Advise for New Generation:



Days in *Loenen*...



Days in **Loenen**...





Days in **Loenen**...







Social Loneliness



HOW?

"Say hello to your **neighbours** - it makes a difference."

Content



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Context Review

*Based on **fieldwork** in Loenen

Visual Anthropology^{*}

Problem statement

Research question

What are the **design strategies** in the living environment for **reconciling social loneliness** in old age?



2

Context Review



What are the **design strategies** in the living environment for **reconciling social loneliness** in old age?



3

Research Conclusion





Basic concept

Social **Mobility**: connections in-between Social **Staying**: communal space

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----> <u>Near-home</u> public places



Basic concept

Social Mobility: connections in-between Social Staying: communal space

Near-nome pui

- 'bridge' dwelling place

----> <u>Near-home</u> public places



'Corridors' & Neighbours



wider community

Design strategies

Social Mobility: connections in-between Social Staying: communal space

1 Closer neighbours created by <u>soft edges</u>



Design strategies

Social **Mobility**:

Social **Staying**: communal space

Closer neighbours created by <u>soft edges</u>

2 <u>Open</u> nature of communal spaces

house \longrightarrow porch \longrightarrow garden \longrightarrow wall



open







Location





O Bus stop line 174/35

 nursing home clinic clinic dentist 	 3 second-hand store 9 internet shop 10 community club 11 mailing service 	 15 park 16 lake 17 playground
dentist dentist dentist school	fast food hair salon	
college	19 supermarket	

Apollostraat 110 Morgen Hillegersberg, Rotterdam







Social mobility: 'Tiring' & Closed

Iacking resting points/stops

hard-edged and dead-ended

Challenges

lonely neighbourhood lacks proper spaces for **informal conversations**



Social mobility: 'Tiring' & Closed

- Iacking resting points/stops
- hard-edged and dead-ended

Challenges



SOLUTION

New Visions intimate neighbourhood that encourages overflowing of internal life

lonely neighbourhood lacks proper spaces for informal conversations



Social staying: 'Empty'

- uncomfortable dimension
- Iacking 'something to do'
- Ard edges

Challenges

lonely neighbourhood lacks proper spaces for **informal conversations**



Social staying: 'Empty'

- uncomfortable dimension
- Iacking 'something to do'
- A hard edges



Challenges

lonely neighbourhood lacks proper spaces for informal conversations SOLUTION

New Visions



110 Morgen [2.0]

'Corridor' for Site Design

1 Facilitate relationships with their neighbourhoods

2Free the layout of streets



'Corridor' for Site Design

1 Facilitate relationships with their neighbourhoods

2 Free the layout of streets

3 Make daily activities easier











STEP 3 Keeping volumns closer to the ground level, while fits in the 'skyline' of existing neighbourhoods.







5 20 0 10 40m



5 20 0 10 40m



5 20 0 10 40m







1 car parking 2 truck parking 3 square 4 bike parking 5 playground 6 central park

7 public outdoor area 8 private outdoor area

10 40m

N









COMMUNAL GARDEN




PLAYGROUND & PARK



1 pantry 2 craft room 3 laundry 4 communal garden 5 storage 6 healthcare 7 lounge 8 terrace

1 5r 0 2

GROUND FLOOR Cluster 2,3,4



1 pantry 2 craft room 3 laundry 4 communal garden 5 storage 6 healthcare 7 lounge 8 terrace

1 0 2

FIRST FLOOR Cluster 2,3,4









CENTRAL ENTRANCE HALL





CAFE CORNER





PLAY CORNER





PRIVATE DOOR & ENTRANCE



TYPE A total area: 44.6m²

SINGLE ELDERLY



1 entrance 2 living room 3 kitchen & dining area

- 4 bedroom
- 5 bathroom

6 connection to indoor corridor 7 connection to courtyard 8 storage

DWELLING UNIT scale 1:50

RECESSED ENTRANCE

'Buffer' for the private territory



TYPE B total area: 61.6m²

ELDERLY COUPLE



1 entrance

- 2 living room 3 kitchen & dining area
- 4 bedroom
- 5 bathroom

6 connection to indoor corridor 7 connection to courtyard 8 storage

DWELLING UNIT scale 1:50

DOORWAY area for clothes rack etc.



RECESSED ENTRANCE

'Buffer' for the private territory



EXTRA STORAGE (optional for walkers/wheelchairs etc.)

DWELLING UNIT scale 1:50







DWELLING INTERIOR



WEST ELEVATION

Cluster 1,2,3

scale 1:200



WEST ELEVATION Cluster 4,5

MATERIAL CHOICE

Dwelling & Public space



MAIN FACADE Scottish larch timber



ROOFING zink





City Cabin, by Olson Kundig Seattle, United States



NORTH ELEVATION Cluster 4

scale 1:200

PUBLIC 'LANDMARK' larger glasses

Imagine Montessori School, by Gradolí & Sanz Paterna, Spain









SECTION A-A scale 1:200





FLOOR

15mm parquet 70mm screed (floor heating) 20mm impact sound-proof insulation 10mm plywood 150mm thermal insulation 20mm metal sprung support rail 10mm plaster board

FOUNDATION

15mm parquet 70mm screed 200mm hollow-core slab floor insulated concrete foundation beam





zink cladding plywood support deck 120mm ventilated air space 18mm chipboard 38mm laminated timber truss 150mm thermal insulation between ribs 10mm compressed board 10mm interior finish (birch plywood)



ROOF & TERRACE



VERTICAL SECTION 3 scale 1:20

WINDOW oak solid wood window profile 36mm triple glazed window glass double crack seal



INTERNAL WALL

10mm plywood 56mm thermal insulation 30x56mm baten 30mm cavity 56mm thermal insulation 10mm plywood



FRAMED WINDOW





- 10mm compressed board
- 10mm plywood



1		
Scottish wood cladding		
30x60mm batten 30mm ventilation gap		
water-resistant and vapor-permeable layer		
38x170mm batten 170mm thermal insulation		
vapor barrier		
10mm compressed board 10mm plywood		
wood deckingadjustable pedestals		(H
roofing		
waterproof membrane 140mm thermal insulation		\mathbb{N}
vapour barrier		
10mm compensation layer 20mm impact sound-proof insulation		
10mm plywood		
150mm thermal insulation between ribs 20mm metal sprung support rail		
10mm plaster board		
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DETAIL 04		
scale 1:5		









CLIMATE CONTROL DIAGRAM







A place to <mark>enjoy</mark>. A place to <mark>be together</mark>.

A place to love your life, your neighbours.

AZ



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DOOR O P E N T H E Living Environment Design for Reconciling Social Loneliness in Old Age

