Architectural Translation of Public Sphere
The Stimulation of Meaningful Encounters between Strangers

Mart van Uden - 1503634

P5 - Presentation
20 June 2016

Tutors:
Olindo Caso, Gregory Bracken, Hubert van der Meel
Overview
Location

Den Haag HS
Location
Location

- 500 m radius
Location

- Mingling of people
Connecting Two Centres
The sphere of private people who join together to form a ‘public’.

Public use of reason in rational-critical debate, which checked domination by the state and the illegitimate use of power.
Fall of Public Space
Sight towards train station
Design function

Modell Four Spaces

EXPERIENCE
- Inspiration space
- Learning space

INNOVATION
- Create
- Performative space

EMPOWERMENT
- Participate
- Meeting space

INVolvEMENT
- Excite
- Explore
Design function
Overview
Focus of project
Conditions: accessibility

<table>
<thead>
<tr>
<th>Accessibility</th>
<th>I) Physical accessibility</th>
<th>J) Visual accessibility</th>
<th>K) Symbolic accessibility</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Accessible by everyone (including wheelchairs) At least 5% seating with back</td>
<td>Not higher than 92 cm Not completely blocked</td>
<td>No elements that exclude groups of people such as: - Guards - Golden doors - Racial/sexual elements</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Meaning</th>
<th>F) Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Connection between place, personal life and larger whole such as: - One self - City (block) - Country - World(s) - Time(s)</td>
</tr>
</tbody>
</table>
Reference

- Terraces: seeing and be seen

Carr, Francis, Rivlin, Stone (1992)
Terraces
Terraces
Design tools for gathering

Priority 1 must

A) Seating
- Formal and informal, more informal
- Back protected
- On a defined space (see D)
- Social comfortability
- Sun/shade

Priority 2 should

B) Other people
- Many functions
- Mixed functions
- Functions with different opening hours
- Socially comfortable spaces
- Defined spaces (see D)

C) Public figures
- Outside responsibilities
  (inside responsibilities are optional)
- Function visible
- Personal gain in well functioning space

With as many physical elements as possible

D) Defined spaces
- Altering facade
- Every 7-9m a door
- 63% glass surface on ground facade
- 30% extended facade by openings and niches
- Edge zone of 0.7-2m
- Specific objects

E) Green
- Connected with seating (see A)
- Big trees
- Protecting from wind
- Native vegetation

F) Water
- Accessible
- Darkstoning
- Noisy water is not problematic, but usable

G) Tuning the elements
- Social comfortability for sun and shade
- Free of wind (see E)

Preferably providing

H) Food/drinks
- Low price
- Quickly ready
- Nice, strong smells
Seating

- Defined spaces
- Protected back
- Formal and informal
- Socially comfortable

Temple Quarter - Bristol

William H. Whyte (1980)
Henry Shaftoe (2008)
Jan Gehl (2011)
Other people

- Variety in functions
- Socially comfortable spaces
- Defined spaces

Forecourt Fountain - Portland, Oregon

Carr, Francis, Rivlin, Stone (1992)
Other people
Other people
Food and drinking place

Private

Public: Inspiration

Public: Creation

Food & Drinks
Stimulating conversation:

<table>
<thead>
<tr>
<th>Usable by themselves</th>
<th>A) Organised event</th>
<th>B) Open persons</th>
<th>C) Open places</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussion leader involved Possible formal and informal</td>
<td>Outside responsibilities (inside responsibilities are optional) Function visible Personal gain in well functioning space</td>
<td>Secluded place where everyone knows one another</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D) Social distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance between 45-213cm Placement in angle of 90 degrees</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E) Triangulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>External element used as confrontation This can be positive and negative Confronting manner to display object</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>F) Belonging to minorities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixed functions Variety of people</td>
</tr>
</tbody>
</table>
Use of dominant screens
Use of dominant screens
Above and underground
View from +02
View from screen
View from screen
Atrium
Different use(r)s
From train: quick cup of coffee
From tram: specifically for makerspace
From student home: to study
From home: mother and child for library
From home: for band practice
From home: youngsters for place to hang out
1. White concrete pillar
2. Double prefab concrete beams
3. Slab floor
4. Steel plate
1. Continuous concrete floor
2. Insulation, Isokorff
3. Lighting
4. Vacuum tubes for messaging
Grid

Eterno Mono:
Smooth composite stone with freedom of form
Grid

Eterno Unico:
Rough composite stone
Freedom for change
Freedom for change
Freedom for change
Freedom for change
Alternative: Solar panels
1. Slab floor
2. Prefab concrete stairs
3. Glued Eterno unico stone
Detail 2

Glued Eterna Unico-stone
Prefab concrete stairs

Concrete beams

Eterno Unico-stone
Drainage layer

Tempex

Screed
Slab floor
Section B
1. gekleefd dampscherm
2. isolatie
3. alkorPLAN LA 35177, gekleefd met lijm alkorPLUS 81064
4. glijdingslaag alkorPLUS 81014
5. filter- en drainagelaag alkorPLUS 81015
6. waterretentielaag alkorPLUS 81016
7. substraatlaag
8. grind (diam. 16/32); min. 50 mm
9. metaalfolleplaat alkorPLAN 81170
10. opkant in alkorPLAN L, gekleefd met contactlijm alkorPLUS 81040
11. grindvang
1. gekleefd dampscherm
2. isolatie
3. alkorPLAN LA 35177, gekleefd met lijn alkorPLUS 81064
4. glijdingslaag alkorPLUS 81014
5. filter- en drainagelaag alkorPLUS 81015
6. waterretentielaa g alkorPLUS 81016
7. substraatlaag
8. grind (diam. 16/32); min. 50 mm
9. metaalfolieplaat alkorPLAN 81170
10. opkant in alkorPLAN L, gekleefd met contactlijm alkorPLUS 81040
11. grindvang
Borstwering

1. gekleefd dampscherm
2. isolatie
3. alkorPLAN LA 35177, gekleefd met lijn alkorPLUS 81064
4. glijdingslaag alkorPLUS 81014
5. filter- en drainagelaag alkorPLUS 81015
6. waterretentielaag alkorPLUS 81016
7. substrataalag
8. grind (diam. 16/32)
9. grindvang
Section B
Aansluiting aan looppad met tegels

1. gekleefd dampscherm
2. isolatie
3. alkorPLAN LA 35177, gekleefd met lijm alkorPLUS 81064
4. glijdingslaag alkorPLUS 81014 of beschermbaan alkorPLAN 35121
5. filter- en drainagelaag alkorPLUS 81015
6. waterretentielag alkorPLUS 81016
7. substraatlaag
8. Tegels
9. gestabiliseerd zand
10. grindvang
Borstwering

1. gekleefd damschild
2. isolatie
3. alkorPLAN LA 35177, gekleefd met lijn alkorPLUS 81064
4. glidingslaag alkorPLUS 81014
5. filter- en drainagelaag alkorPLUS 81015
6. waterretentielelaag alkorPLUS 81016
7. substraatlaag
8. grind (diam. 16/32)
9. grindvang
Facade part
Solar chimney for ventilation
Ventilation shaft size:

For:
30 people per floor
Speed of 3m³
50 m³/h of air needed per person

Air needed per hour = 1500 m³
Shaft m² = 1500/(3*3600)=0.14m²
This gives a square shaft with a diameter of 0.37m
Square size
The End
Floor 200 mm
Beam 200 mm

Slab floor is 1/30 of range (6000mm) = 200 mm
Beam is 1/15 of range (6000mm) = 400 mm
By connecting beam and floor, the floor will function as a beam and can be used for height of the beam. An individual beam can therefore be 200 mm high.
Forces in floors
Stability by slab + core