Youth Center,
Garfield Park
urban research and situation
Chicago
Races in Chicago, IL
situation in GP
"In the city of Chicago's 77 communities, if you are born in a specific zip code, then that determines a lot of your trajectory."

"And that trajectory could be from accomplishing high school to ending up in prison, or more like being a victim. To being a person who's actually excelling, who is going to a good school, who is going to—you know chances are going to be going to college—and so forth."

---YSVP co-director Eddie Bocanegra
In a word, segregation
new grid

regular urban grid (pattern)  green line intervention (existing)

GP: vacant, fragment, decay → united, harmonious, sufficient

axis
Let's break the chain

create a homy, harmonious unity shelter---influence the whole GP

close but transparent
inside out

open but warm
outside in

green

youth improvement to break the chain.

environment economy

family infrastructure e.p. green line

community
from 1:20000(neighbourhood) to 1:200(project)
resources

definite the border
<table>
<thead>
<tr>
<th>problems</th>
<th>action</th>
<th>target group</th>
<th>content</th>
<th>program</th>
</tr>
</thead>
<tbody>
<tr>
<td>need protection</td>
<td>supervision</td>
<td>whole community</td>
<td>safe route</td>
<td>road network</td>
</tr>
<tr>
<td>risk</td>
<td>prevention</td>
<td>pre-for-college youth (6-18)</td>
<td>learning</td>
<td>public infrastructure/ (tele)communication</td>
</tr>
<tr>
<td>scarcity</td>
<td>donation</td>
<td>whole community</td>
<td>community event</td>
<td>station square</td>
</tr>
<tr>
<td>decay</td>
<td>welfare</td>
<td>homeless</td>
<td>rehabilitation</td>
<td>public housing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>whole community</td>
<td>health</td>
<td>sports field</td>
</tr>
</tbody>
</table>
space feature

homy, safe, warm, relax, easy going, encouraging cabin

renew the spirit and strength
urban change

Typical block

move out and demolish

situation after demolished
fragmented space changes (social driving force)

fragment new program

unity as a whole = GP

Need a connection axis
space is not motionless

collect pieces (unity)
bond of residents (routes)
1. volume, boundary, buffer zone
2. courtyard, entrance
3. transport connect, rotate, square
4. noise, protection, facade
5. extrude, a full stop, confined space
6. lead in/out, transition, coherent
site plan
1:2000
height, space and behaviour
<table>
<thead>
<tr>
<th>Existing / Events / Possibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research/Existing State</td>
</tr>
<tr>
<td>-------------------------</td>
</tr>
<tr>
<td>Low household income</td>
</tr>
<tr>
<td>Local warehouse</td>
</tr>
<tr>
<td>Industrial corridor</td>
</tr>
<tr>
<td>(material supply)</td>
</tr>
<tr>
<td>Single-parent family</td>
</tr>
<tr>
<td>Risk/danger temperature</td>
</tr>
<tr>
<td>Youth program</td>
</tr>
<tr>
<td>Users age: 6-18</td>
</tr>
<tr>
<td>Future use: not temporay</td>
</tr>
<tr>
<td>target group</td>
</tr>
<tr>
<td>--------------------------------------</td>
</tr>
<tr>
<td>staff, sponsor, volunteer, parents,</td>
</tr>
<tr>
<td>student</td>
</tr>
<tr>
<td>teacher, speaker, student</td>
</tr>
<tr>
<td>teacher, volunteer, student</td>
</tr>
<tr>
<td>teacher, volunteer, visitors</td>
</tr>
<tr>
<td>all, especially children</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
Garfield Park, Chicago, IL
Youth Center
Complex Projects
Tutor// Henri van Bennekom  Bas Gremmen
Student// Meng Du (4311094)
project development
11 Oct
project development
20 Oct-27 Oct

project development
5 Nov-13 Nov
from 1:200(plans) to 1:10(facade details)
empty container?
too expensive?
ecology, meditation
facade, environment

summer 24.4
winter -4

source of noise
buffer zone (wider)

precast metal cladding (noise, urban)
concrete, steel load bear structure
precast timber plywood cladding (warm, mild)
inner wall (thermal, sound, cost)
assemble/disassemble

wind direction

Garfield Park, Chicago, IL
Youth Center
Complex Projects
Tutor: Henri van Bennekom Bas Gremmen
Student: Meng Du (4311094)

temperature: -4--24.4
surrounding height:
Max 27m
Average 9m
green line about 9m
green coverage: %
site: 11026 ㎡
surrounding space: 248210 ㎡

Garfield Park, Chicago, IL
Youth Center
Complex Projects
Tutor: Henri van Bennekom Bas Gremmen
Student: Meng Du (4311094)
scale, building tech
scale, building tech
energy-saving/climate

indoor climate comfort 15-19
energy-saving/climate

indoor climate comfort 15-19
energy-saving/climate
structure

concrete
steel
structure
50mm recycled wood panel
40mm pattern for attaching
40mm air gap
15mm Breather membrane
15mm Plywood sheathing
5mm waterproof
90mm thermal insulation
60mm inner wall brick
20mm plaster/timber lining
50mm recycled wood panel
40mm batten for attaching
40mm air gap
15mm Breather membrane
15mm Plywood sheathing
5mm waterproof
90mm thermal insulation
60mm inner wall brick
20mm plaster/timber lining

20mm plaster/timber lining
60mm inner wall brick
90mm thermal insulation
5mm waterproof
15mm Breather membrane
15mm Plywood sheathing
40mm batten for attaching
40mm air gap
50mm recycled wood panel
section
1:200
section
1:200
a sunny day
Light in, warm
sitation and vision
Thank you for tutoring and your attention.