The sandbox
Arts & learning center
Garfield Park
Areas of persistent poverty, during last 40 years. These areas suffer from structural disinvestments.

Asthma prevalence areas coincide with poor areas. One of reasons is that poor people cannot afford standard medical treatment.

Areas with inhabitants with life expectancy below average (below 70 years). A consequence of overall bad socio-economic situation.

Areas with more than 80% of inhabitants without bachelor’s degree. Reasons are complex: bad financial situation, bad family situation, overall climate of violence.

Areas with household value far beyond average (beyond 100 000$). Both consequence and a magnet of poverty.

Areas with over 80% of mortgages consuming more than 30% of household income. Inhabitants cannot afford to live in the area and are forced to move out.

Bad grocery access areas ("food deserts"). One of the reasons of bad health and one of consequences of overall disinvestment and economic disinterest.

High homicide occurrence, stemming from overall socio-economic despair and environment of violence.

Negative symptoms overlap with areas of high vacancy. This means that people tend or are forced to move away from stigmatized problematic areas.

Overlap of all factors shows that negative symptoms tend to concentrate and reinforce themselves in certain areas sometimes referred to as poverty traps.
A radial city
Industrial corridors and radial infrastructure.

“Engines” opposing current systems: incubators, line connection, park connection

Establishing connections masterplan
establishing connections

New industrial corridor/redensity zone

Park extension & interventions

Block scale green corridors in place of vacant plots

Revived commercial zone along new metro line

New connections over urban barriers

Education / science centers located in the vicinity of schools

Waste energy reclamation facilities

Education / science centers located in the vicinity of schools

New connections over urban barriers

Education / science centers located in the vicinity of schools
urban borders

Eisenhower expressway
Gardield park in a way is a ghetto.

Just like the original, it’s like an island, disconnected from the rest of the city.

Here, borders take physical, social, and economical form
fixing the gap
orientation - axiality of site
circulation - vehicles & pedestrians
main arteries
pushing the line
new circulation
recycling assets - preserving the bridge
recycling assets - preserving the bridge
intervention site
Sustainable Neighbourhood = resilient neighbourhood

[...] shared parks and public spaces are plentiful and easily visited; where people of different ages, income levels and cultural background share equally in environmental, social, educational and cultural benefits; [...]
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Programmatic components include education, culture, and work opportunities.
“We build too many walls and not enough bridges.”

Isaac Newton
The quest for form
PLAN
LANDSCAPE
GATE
deck
pylons as a building massing
providing circulation
introduction of structural elements
boosting composition
enhancing the presence
permable yet defined borders, flexibilty of the interior - sandbox
Building program & functions
Building program first floor

1 Exhibition space
2 Lounge
3 Computer lab
4 Staff room / management
5 3D printer / CAM station
6 Model room / workshop
7 Recording studio / scene
8 Lounge Bar
9 Restaurant kitchen & amenities
Amenities second floor
# Level 1 areas

<table>
<thead>
<tr>
<th>Area</th>
<th>Area Size (m²)</th>
<th>Total (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1Lounge, circulation</td>
<td>124</td>
<td>299</td>
</tr>
<tr>
<td>2 Kitchen</td>
<td>72</td>
<td></td>
</tr>
<tr>
<td>3 Staff room / management</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>5 Toilets</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>6 Technical</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>7 Recording studio (container)</td>
<td>46</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>299</strong></td>
<td><strong>788</strong></td>
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# Level 2 areas

<table>
<thead>
<tr>
<th>Area</th>
<th>Area Size (m²)</th>
<th>Total (m²)</th>
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</thead>
<tbody>
<tr>
<td>1 Restaurant + circulation</td>
<td>1257</td>
<td>430</td>
</tr>
<tr>
<td>1 Conference hall</td>
<td>81</td>
<td></td>
</tr>
<tr>
<td>2 Studios</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>3 Art studio</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>4 Collab room</td>
<td>30</td>
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Level 1 total: 788 m²

Level 2 areas

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Level 2 total: 687 m²
Floorplans & sections
First floor plan
Second floor plan
Materiality & structure
concrete
steel
mesh
glass
corten
structure blow up diagram
eastern facade fragment

western facade fragment
Detail A 1:5

1 Curtain wall mullion
2 Glazing
3 Blind box with insulation
4 bevel
5 insulation
6 Truss attachment clamp
7 M30 bolt
8 Metal canopy
9 Insulation
10 Roofing felt
11 Waterproof membrane
12 Composite slab concrete
13 Composite slab Cofradal 200 with insulation
14 Weld - in reinforcement plate 12mm
15 Arcelormittal Angelina ™ Beam
16 M24 bolt
17 IPE 600 beam
18 Suspended ceiling
Detail B 1:5

1 Curtain wall window
2 Bevel
3 Insulation
4 Tuss attachment clamp
5 iM30 bolt
6 Self leveling concrete screed floor with polished finish
7 PVC foil
8 Suspended ceiling
1 Curtain wall window
2 Mullion
3 Bevel
4 Insulation
5 Glazing
6 Truss attachment clamp
7 Mesh wire holder
8 Mesh facade wire
9 Self leveling concrete screed floor with polished finish
10 Suspended ceiling hanger
11 Hunter - Douglas V-baffle fin metal ceiling
Elevations
Climate & energy
Connection to city services

1 Electricity
2 Water
3 Gas
4 Geothermal
5 Sewage
energy harness and storage
Air circulation level 1

- Air handling unit
- External air handling unit
- Fresh air
- Exhaust air
Air circulation level 2
Renders