



Little Migratory Bird Home Building Program

Spatial Reconstruction of Community Belonging for Mobile Children Based on the Concept of Child Participation

Country / City China / Guangzhou
University / School South China University of Technology / School of Architecture
Academic year 2021-2022
Title of the project Little Migratory Bird Home Building Program - Spatial Reconstruction of Community Belonging for Mobile Children Based on the Concept of Child Participation.....
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TECHNICAL DOSSIER

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Written statement, short description of the project in English, no more than 250 words

A child is an independent person and the future and hope of a country. The growth of children and their environment influence each other. For migrant children who follow their parents to the city, they build their awareness and identity of themselves, their families, their communities and even society in a more marginal urban living environment in order to grow and develop themselves. This design work focuses on the migrant children in Changban Urban village. They account for more than 50% of all children, and compared to local children, they are less satisfied with the village environment, have fewer regular playmates, and want more space for activities. We propose the program, Little Migratory Bird Family Building Program, hoping to guide children to participate in community building through play and promote their social relationship with local children. This transformation process will not be done overnight, but in multiple sessions, and the designers will continue to intervene to respond to the new influx of migrant children. Each "home building strategy" is divided into the first stage, which focuses on the transformation of physical space, and the second stage, which focuses on the construction of collaborative relationships. Space transformation+relationship building is what we understand by "building a family", hoping that every migrant child can build a sense of belonging in Changban village.

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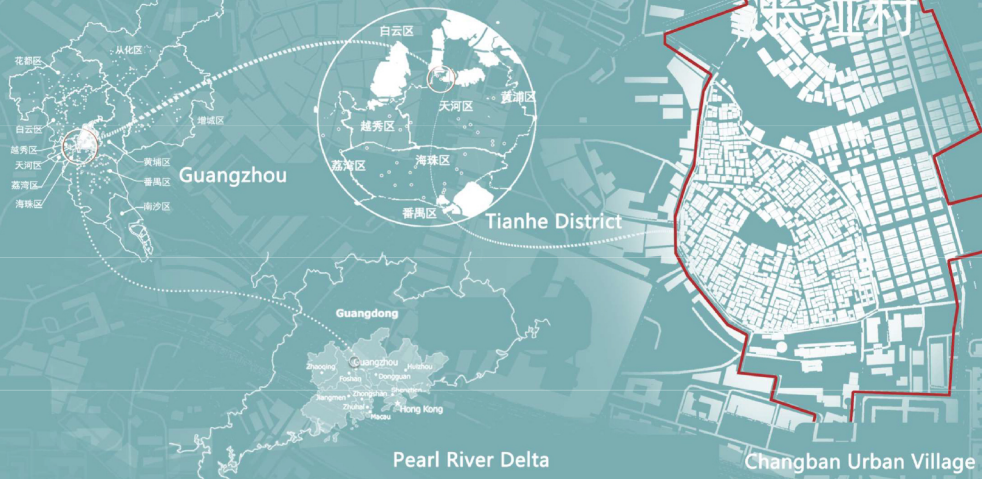
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SCHOOL PRIZE

Location Analysis



Design Background

In 2020, the size of China's migrant children reaches 71.09 million, double the size of 2010, when there were 35.81 million migrant children. Compared with ordinary children, the growth process of migrant children is more complex and special. Frequent changes make the growing environment of migrant children more likely to suffer from different degrees of systematic damage or deficiencies, and they face many problems in physical and mental health, learning and socialization.

Changban Village Children Activity Survey

Classification of children's outdoor activities



Analysis of the results:
There are fewer joint and collaborative play behaviors that are more conducive to children's physical and mental development, and more outdoor activities without communication with peers occur in Changban Village children's outdoor activities.

Design Thinking

Cognitive site

Crowd Observation
Space Observation

Subjective feeling:
High number of children in Changban Village
Few and crowded activity spaces for children in urban villages

Site Awareness

Children's need for friendly activity spaces
Low quality activity space for children in urban villages
High level of community and parental concern for mobile children's issues
Low community participation and sense of belonging among mobile children

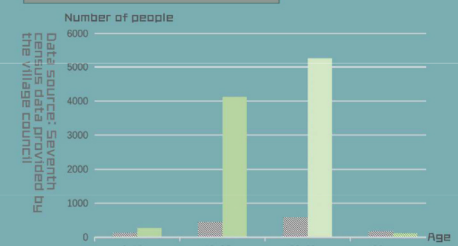
Site Challenges

High-density construction in urban villages makes it difficult to open up child-friendly activity spaces
Difficult to create child-friendly spaces
Mobile children's low sense of belonging and low participation in the environment is detrimental to their future growth

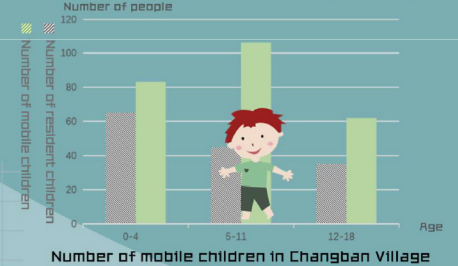
Design Problems

How can we build child-friendly communities while promoting a sense of belonging to the environment for mobile children in particular?

Demographic Data

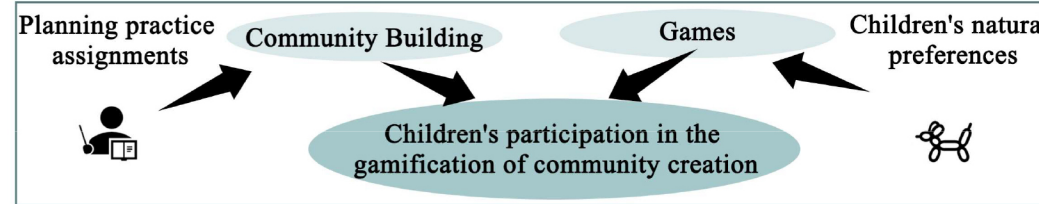


Number of mobile population in Changban Village



Frequency of occurrence

Spectator behavior At loose ends Solo game Parallel play associative play Cooperative game



Design Vision

Interactive participation

Warmth and Inclusion

Fun Adventure

Problem Analysis



The special features of migrant children.

Material level

Rarely enrolled in extracurricular interest classes

Unmet toy needs

Lack of opportunities to adapt to the social environment

Emotional level

Broken peer relationships

Lack of family emotions

Easy to develop low self-esteem

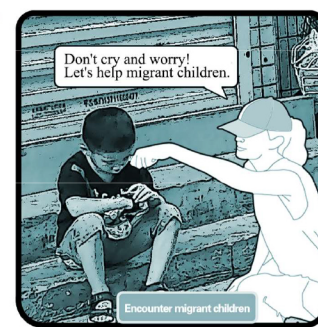
Design concept proposed

A sense of belonging to the geographical space

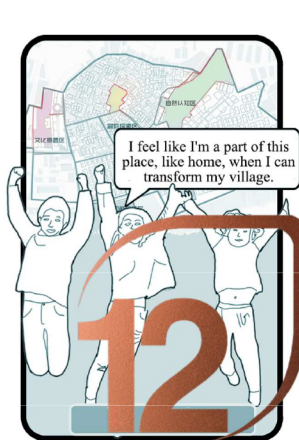
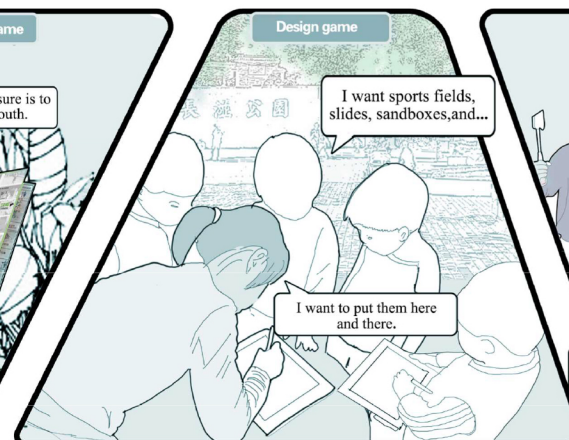
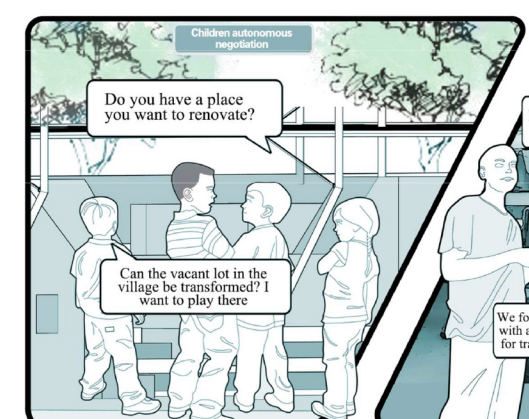
Sense of belonging to community members

The need to belong

Little Migratory Bird Home Building Program



Whenever I arrived in a new environment, my mom and dad went to work, leaving me alone. I have no friends and dare not go out to play.



Establish a children's participation network

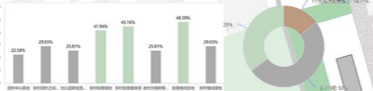
general plan



Detailed design of three sites selection basis

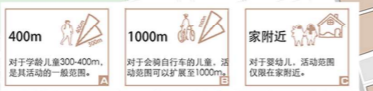
We chose three venues and four roads for renovation, the site positioning is based on the previous functional partition. We have four of the three venues of Unicom Roads have been child-friendly Build, considering the size of the road we mainly introduced with a guiding effect Color paving, corresponding to different colors Different sites.

1. Based on child's perspective



Most of the kids chose the abandoned stadium, the green space on the street, the long park and the green space between the buildings

2. Child friendly



According to the child-friendly theory, if the service radius is set to 200 meters, the whole village can be covered with three venues

3. Rich types of venues

Street green space, parks, Empty parking lot, green space between buildings, wide streets,

Rich base types make the experience of future event spaces colorful

Pavement details 3

Child friendly paving

Pavement details 1

Child friendly paving

Pavement details 2

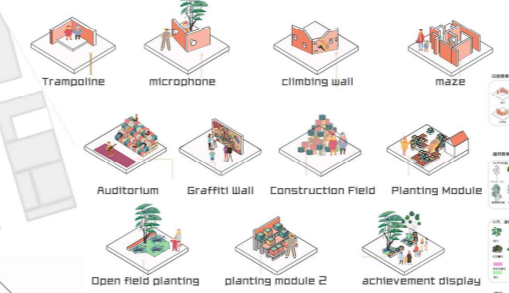
Child friendly paving

Changjing Renovation Floor Plan



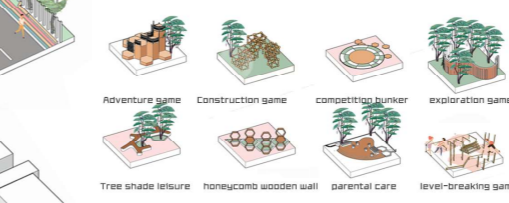
Design Description

Square Square is a multi-functional venue featuring planting and module building. Here is the world of blocks, the building blocks of blocks, the paving of blocks, the landscape walls of blocks, and the seeds of blocks. The planting pool also has a square sunshade, which makes people feel like they have entered the game. The square is mainly divided into multi-functional activity area, planting activity area, construction activity area, square area and stadium area, which can meet the needs of children



Design Description

The design aims to create a multifunctional outdoor play and learning environment that promotes socialization by using natural materials and maximizing play elements. Through the formation of a curvilinear wall and hexagonal elements. Rich and diverse spaces, different spaces correspond to different game types. From west to east, the paving is from hard to soft grass, and the curved red wall can be used by children at the beginning of construction. And leave your own specimens or imprints to write your own place memories. At the same time, children shuttle through the smart walls and rich plants to experience the fun of natural exploration. Children's facilities reflect Multifunctional, forming different difficulty levels, allowing children of different ages to experience the excitement of adventure.

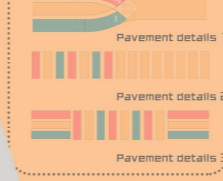


Design Description

The site is located on the side of Changzhi East Street, the main road in the living area of Changzhi Village. The surrounding buildings have high density and are surrounded by five to seven-story residential buildings. It is currently in a idle state full of construction waste. To meet children's needs for community public activity space and facilities. The design is guided by the nature education garden, and a series of activity spaces with various forms and rich touch are designed, based on natureElements provide opportunities for long-term children to communicate, grow, cooperate and interact, so as to enhance children's sense of identity and belonging to the community.



Logo design



This is our initial renovation flat floor map, we chose three venues and four roads for renovation, the site positioning is based on the previous functional partition. We have four of the three venues of Unicom Roads have been child-friendly Build, considering the size of the road we mainly introduced with a guiding effect Color paving, corresponding to different colors Different sites, where space allows Seats and planting modules will be added.

Site 1, Cube Square



Facility Description

At the facility level, the multi-functional activity area on the north side is mainly set up with a wall and cover. The activity space enclosed by the sun shed has climbing walls, small mazes, microphone and other activities. On the south side, the planting space consists of three types of planting areas, the inner plaza has a children's court and educated construction area (see Figure 28 for the detailed design of the construction modules).

Site 2, circle Square



Facility Description

Designed to provide a seating area for parents and other adults at the entrance, supervising children not to run. Go out of the activity venue to ensure the safety of children. The sensory exploration area combined with the better sunshine area is set up

Site 3, secret base



Facility Description

Most of the site paving and facility materials use textures and shapes that enrich children's sensory experience. Style and color. Design and arrange sports facilities based on the concept of

Site 1, Cube Square



Site 2, circle Square



Site 2, circle Square



Site 3, secret base



