

OLD BEIJING BUS:
THE PUBLIC CHILDREN'S SPACE
WITH A BUS THEME ON THE
STREETS OF CHANGPING

老北京巴士·昌平街头的公交车主题公共儿童空间



欢乐的孩童区成为融入居民生活的沿街风景

Joyful Children's Area Becomes A Street-Side Scene Integrated Into Residents' Lives

"In Sanjiaodi Park, located on the streets of Changping District, Beijing, we deconstructed the design of China's first domestically manufactured bus and integrated new functional elements, transforming it into a fun activity installation that children of all ages and their parents can enjoy."

"在北京昌平区街头的三角地公园，我们基于新中国国产第一辆公交车的造型进行拆解，融入了新的功能型设计，使其变成一个多年龄段儿童和家长可以参与的趣味活动装置。"



01 Bus Memories

BK640 was the first domestically manufactured bus in China, created in 1957. Over the following three decades (1959-1989), it operated on 80% of Beijing's bus routes and became the pioneering model of China's passenger bus industry.

The 345 Bus route, which utilized the BK640 model, was the only bus route connecting Changping to downtown Beijing for a long time. By deconstructing and redesigning the classic BK640 bus shape and incorporating new functional designs, it was transformed into an engaging activity installation that children of all ages and their parents can enjoy. This fun, bus-themed installation, inspired by the old-style bus model BK640, was installed in the newly redesigned Sanjiaodi Park in Changping District, Beijing, in May 2024.

01 公交记忆

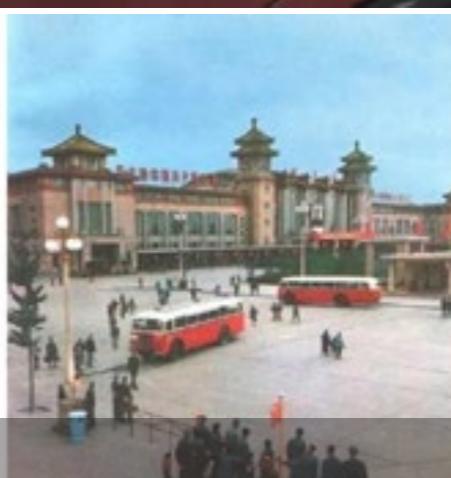
BK640, 是中国第一款自主制造的公交车, 诞生于1957年。在1959~1989年的30年间, 它的服役范围覆盖了北京市80%的公交线路, 堪称中国客车工业车型的鼻祖。

曾使用BK640车型的345路公交车, 在漫长的岁月里是昌平通往北京市区的唯一公交线路。通过对BK640的造型进行拆解, 融入新的功能型设计, 使其变成一个多年龄段儿童和家长可以参与的趣味活动装置。而这个源自BK640老式公交车造型的趣味活动装置, 于2024年5月, 落地在设计翻新的北京昌平三角地公园。



BK640型公共汽车及细节研究资料 © 来源网络
BK640 Bus Model And Detail Research Materials © From Internet

北京第一条无轨电车于1957年2月开始通行
无轨电车 - 由共和国自主研制, 见证北京城市发展



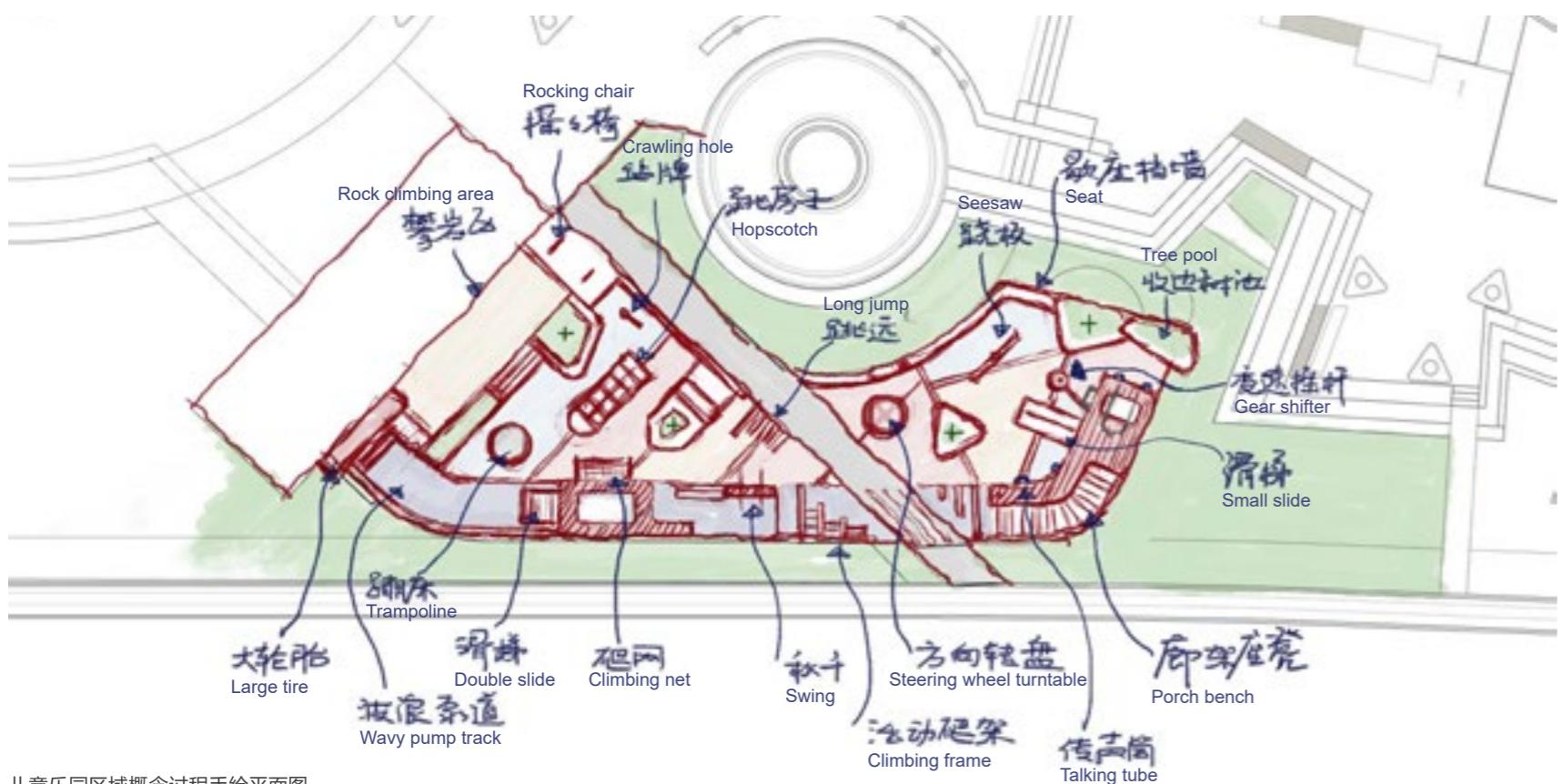
BK640型公共汽车相关报道及照片 © 来源网络
Reports And Photos Of BK640 Bus Model © From Internet





区位分析——345路公交车与设计场地的关系

Location Analysis - The Relationship Between Bus 345 And The Design Site



儿童乐园区域概念过程手绘平面图

Conceptual Sketch Plan Of The Children's Playground Area

02 Design Origin

Sanjiaodi Park served as the western gateway to the urban area of Changping. It used to be the starting point of Bus Route 345, the only bus route connecting Changping to downtown Beijing, and holds collective memories of many Changping residents, thereby acquiring significant historical and geographical importance. Additionally, it is a key junction where the northwest trunk road, formed since the Warring States period, branches into the urban area of Changping, making it a prominent location.

In 1984, Xiguan Garden was established here, featuring a lotus pond, a viewing pavilion, and a children's playground, which was a popular place for many Changping residents to play during their childhood. However, after nearly 40 years of use, problems such as outdated facilities, aging infrastructure, and limited functionality gradually emerged. Therefore, as part of the overall renovation project for Government Street, the Changping District Government launched the Sanjiaodi Park renovation project in 2023.

The landscape planning and design of Sanjiaodi Park was carried out by the Cai Linghao Studio of Landscape Architecture College of Beijing Forestry University. The design uses modern abstract zigzag lines to represent the mountainous terrain of Changping, and winding streams to reflect the waters of Changping that once nourished Beijing and the Grand Canal. The 345 Bus is chosen as the narrative thread of the city's memory, blending the expression of historical and cultural significance with visual presentation of modern design aesthetics. New functional areas were included within the design, such as the Changping Spring Fountain Plaza, Lehuo Leisure Loop, Fitness Corridor, Strolling Path, Bus-themed Children's Area, "bus stops" representing different historical periods, a winding creek water feature, and the "Changping Gate" sculpture engraved with historical place names in Changping, creating a seamless integration of the park and urban space.

In this renovation, XISUI Design was tasked with designing the children's area of the park. The new children's playground is situated on the original site of the 1984 Xiquan Garden playground.

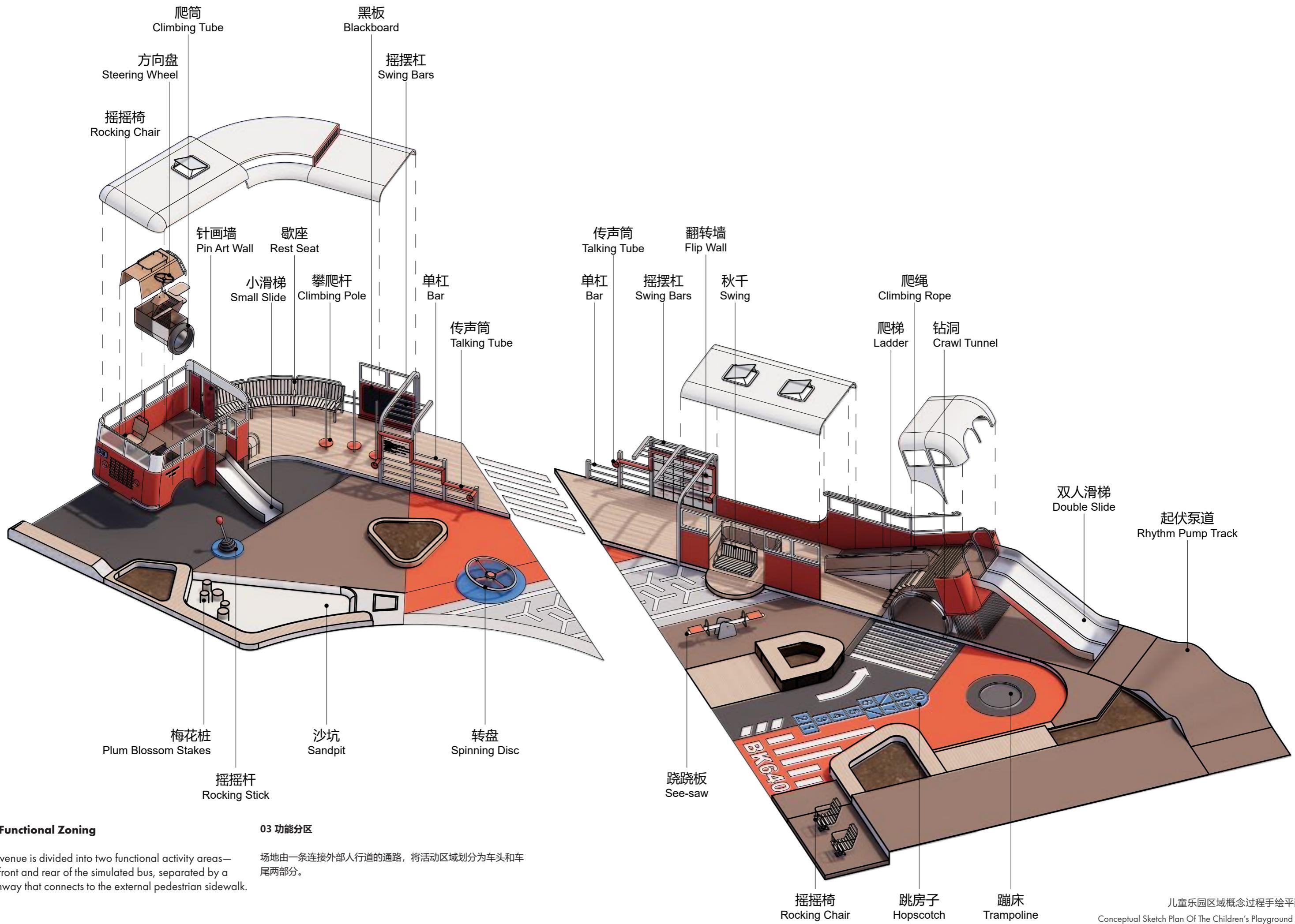
02 设计缘起

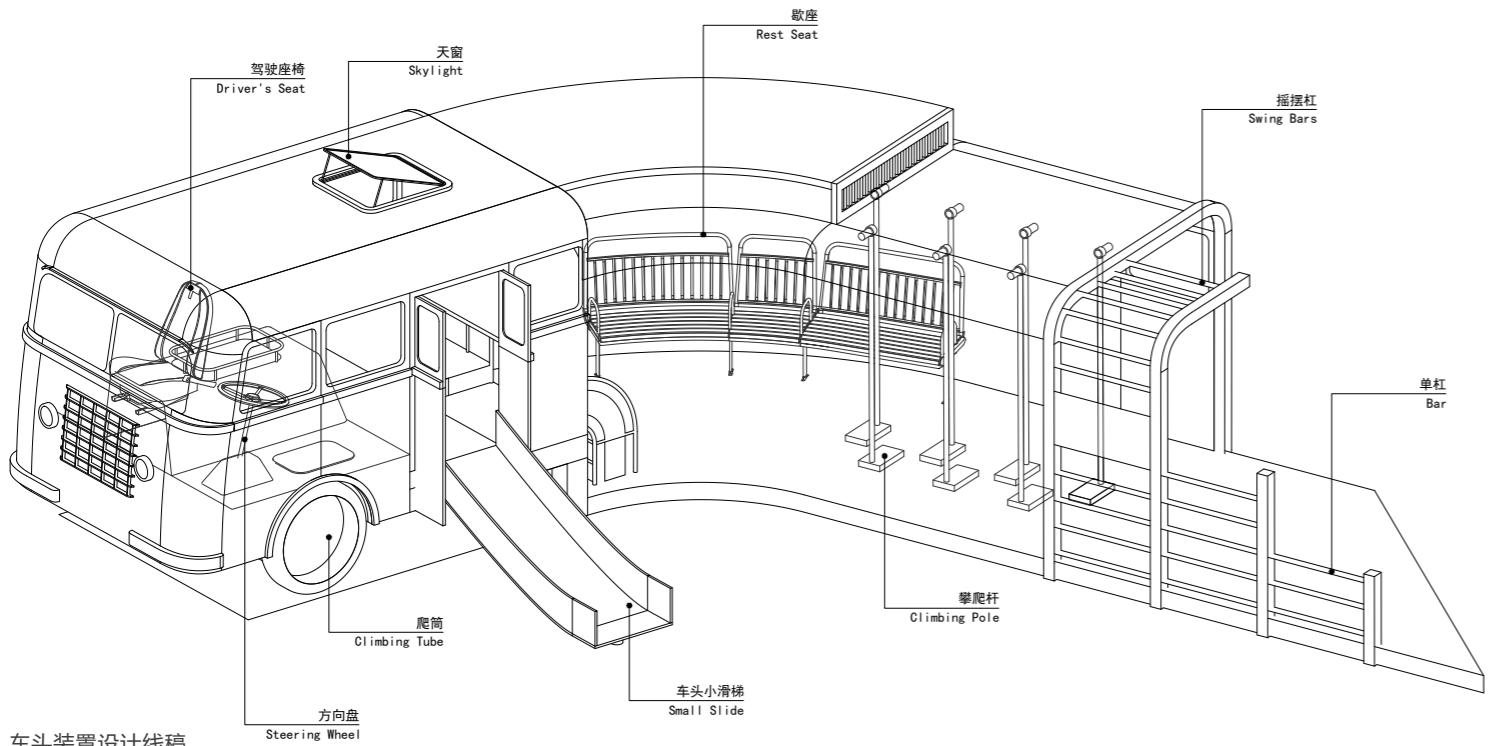
三角地公园，位于昌平区政府街西口，是昌平城区的西门户。这里曾经是昌平到北京市内唯一一趟公交车345路的始发站，承载了许多昌平市民的集体记忆，具有重要的历史和地理意义。这里也是自战国时期以来形成的京西北干路进入昌平城区的分支岔口，位置显要。

1984年，这里曾经建成西关花园，内有荷花池、观景亭和儿童游乐园，是很多昌平人童年的游玩之地。然而，经过近40年的使用，公园设施陈旧老化、功能单一等问题逐渐凸显。因此，作为昌平区政府街整体改造的一部分，昌平区政府于2023年启动了三角地公园更新改造工程。

北京林业大学园林学院，蔡凌豪工作室负责三角地公园的景观规划设计。以现代抽象的折线结构表现昌平的山体形态，以曲折溪流表现曾经滋养北京和大运河的昌平之水。选择345路公交车作为城市记忆的叙事主线，兼顾历史人文的表达和现代设计视觉的呈现。同时还构建了昌平之泉喷泉广场，乐活之环休闲环，健身长廊，漫步环道，公交车主题儿童区，代表不同历史阶段的公交站亭，折溪水景及铭刻昌平历史地名的昌平之门景观雕塑等特色节点，让公园与城市空间无界融合。

此次改造中，喜随设计有幸受邀参与了儿童区域的设计与深化工作。新的儿童乐园选址，也延续了 1984 年西关花园儿童乐园所在原址。





车头装置设计线稿

Front Zone Installation Design Drawing

The front area is designed for younger children. It includes facilities for upper and lower limb strength training (such as climbing facilities), speed and gravity experiences (small slide, gear shifter, steering wheel turntable), balance exercises (plum blossom stakes), parent-child interaction (pin art interactive walls, voice tubes), self-expression and creativity (sandboxes, blackboards), role-playing activities (steering wheel, driver's seat), and parental supervision (bus-style seats, simple exercise equipment), etc.



奔向车头的孩子和母亲

Child And Mother Heading To The Front Zone



低龄使用的小滑梯

Small Slide For Younger Children



您批评得对, 但我也还是玩得开心

You're Right In Your Criticism, But I Still Had Fun



亲子互动的针画互动墙

Pin Art Interaction Wall For Parent-Child Interaction



在针画互动墙上留下手印的小朋友

Kid Leaving Handprints On The Pin Art Interaction Wall



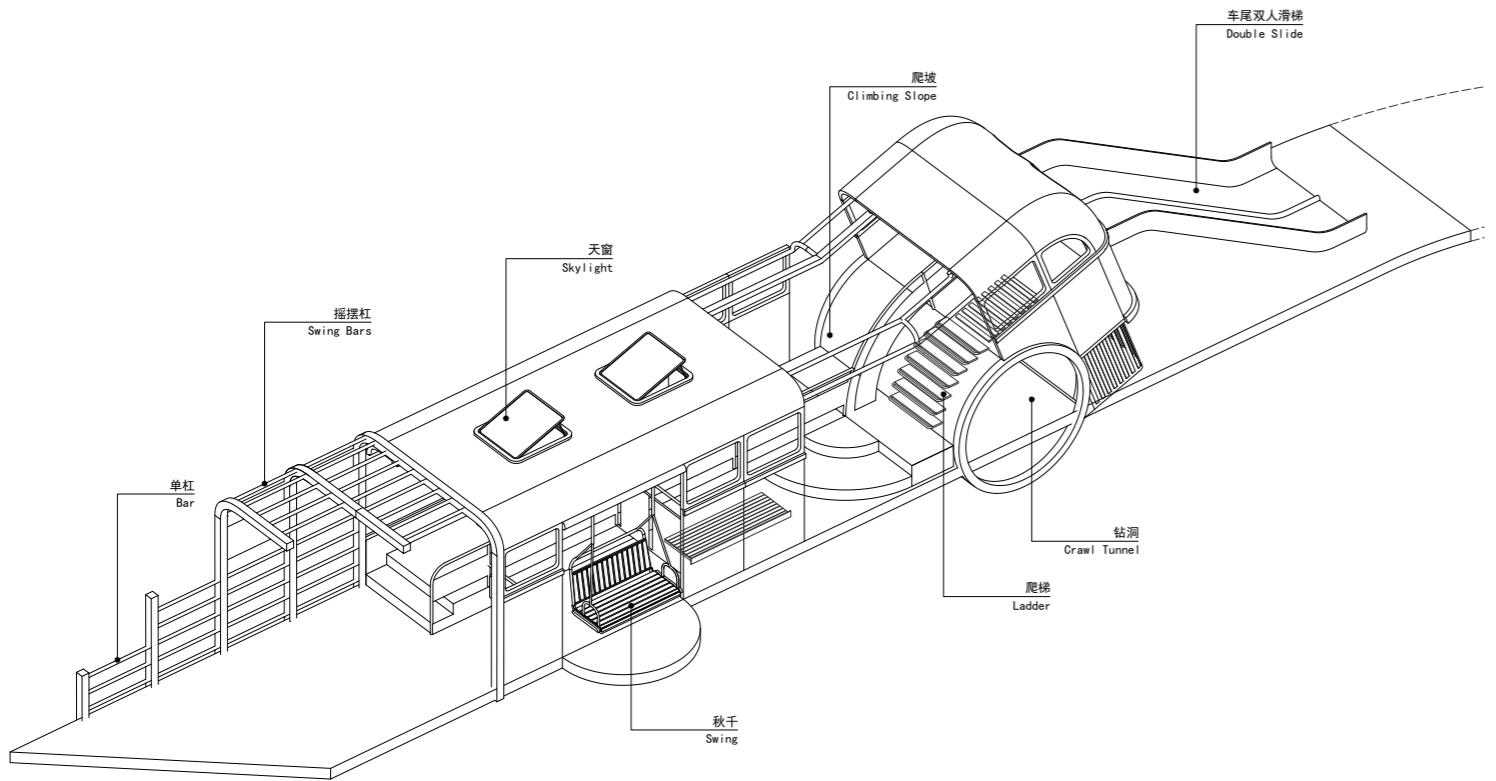
钻筒与角色扮演区

Tunnels And Role-Playing Area



还原公交车座样式的歇坐看护区

Bus Seat Style Rest And Supervision Area



车头装置设计线稿

Front Zone Installation Design Drawing

The rear area is aimed at all ages, focusing on thrilling experiences and encouraging parent-child participation. Facilities include upper and lower limb strength training (ladders, climbing ropes), speed and gravity experiences (double slide, trampoline, double swing, rocking chairs), parent-child interaction (voice tubes, double swing, seesaw), cognitive games (flip wall), and ground games (hopscotch), etc.



十分受欢迎的蹦床
The Trampoline Is Extremely Popular



双人滑梯, 适合亲子活动
The Double Slide, Suitable For Parent-Child Activities



富有挑战性的攀爬坡道
Challenging Climbing Ramp



多种攀爬坡道让挑战难度循序渐进
A Variety Of Climbing Ramps Allow The Challenge Difficulty To Progress Gradually



适合多年龄段玩的跷跷板
A Seesaw Suitable For Multiple Age Groups To Play With



黄昏下的亲子时光
Parent-Child Time At Dusk



车尾整体视角

Overall Perspective Of The Rear Part



穿着尿裤但不妨碍单挑世界的背影
A Child Challenging The World In Diapers



入口附近设置方便家长看护活动的座椅及健身设施

Seating And Fitness Facilities Near The Entrance For Parental Supervision



方便成人活动的设施,如压腿

Facilities For Adult Activities, Such As Leg Stretching

04 Safety Measures

Considering that the children's area is close to the street, safety is the top priority. On the side facing the road's sidewalk, there is only one opening designed, allowing public access while making it easy for parents to supervise. The entrance area near the opening avoids clustering children's facilities and serves primarily as a transition space between the front and rear areas. Tree pool benches and simple exercise equipment, such as stretching areas and pull-up bars, are arranged, providing a place for parents to rest, relax, and supervise their children, taking on the role of guardian.

04 安全处理

鉴于儿童场地临近街边,安全性成为设计的首要考虑因素。面向马路人行道的方位,有且仅设计有一个开口,允许该侧面向公众开放的同时,方便家长看护管理。也因此,开口附近的入口区域避免集中设置儿童设施,主要是作为串联前后场地元素的过渡,甚至倾向性地布置了树池座椅及可供家长压腿、单杠等的简易运动设施,以方便家长停留休憩、驻守于此,勇当门神。



掩映在自然绿树之中的活动设施

Activity Facilities Hidden Among Natural Green Trees

05 Streetscape View

Next comes the treatment of the street-facing facade, which should blend into the surrounding living area and satisfy the aesthetic demands of the public, becoming a bright spot along the street. The height of the activity facilities is controlled to be below the tree canopy, subtly merging with the natural greenery. The colors are inspired by the red-and-white scheme of the vintage BK640 bus, with the fiery red hue conveying a passionate spatial atmosphere that resonates with the steam rising from the bun shop across the street and the ringing bicycle bells of passing elderly residents.

05 沿街画面

其次是沿街立面的处理,既得融入周边生活区的环境氛围,又需符合民众审美需要,成为沿街一抹亮色。活动设施高度被控制在树木乔冠层以下,掩映在自然绿树之中。色彩提取自BK640老式公交车的红白配色,如火般的赤红传递着热情的空间基调,呼应了街对面包子铺里的热气腾腾,和大爷大婶们来来往往的自行车铃。



居民骑行下的亮色背景

Bright Background As Residents Cycling By

06 Historical Imprints

Especially the bus station across the street, operating day and night, creates a historical dialogue across time with the site, which was the original location of the old Changping Bus Terminal and the starting point of the Changping Line. Today, as people wait daily on the other side of the street to board a bus, do they ever imagine the scene decades ago, when their parents' generation, in the prime of their youth, waited and boarded buses on this side of the street, during the era of China's rise and the dramatic changes in Beijing?

06 历史印记

尤其是街对面日夜运行中的公交车站，与设计场地作为老昌平公交汽车总站、昌平线始发站原址的历史背景，产生了跨越时间的对望。如今日复一日在街那边等待，搭乘公交车的当代人，可曾遥想几十年前，街这边的父母辈一代人正当韶华，在新中国蒸蒸日上、老北京翻天覆地变化的那个年代里等待、搭车时，该是怎样的风貌。



过去与现在的公交车站隔街对望

Past And Present Bus Stops Facing Each Other Across The Street



一对父女在转盘上享受亲子时光

A Father And Daughter Enjoying Parent-Child Time On The Turntable



附近的居民在玩车尾部区域的转盘和双人秋千

Local Residents Are Playing With The Turntable And Swing In The Rear Area Of The Playground



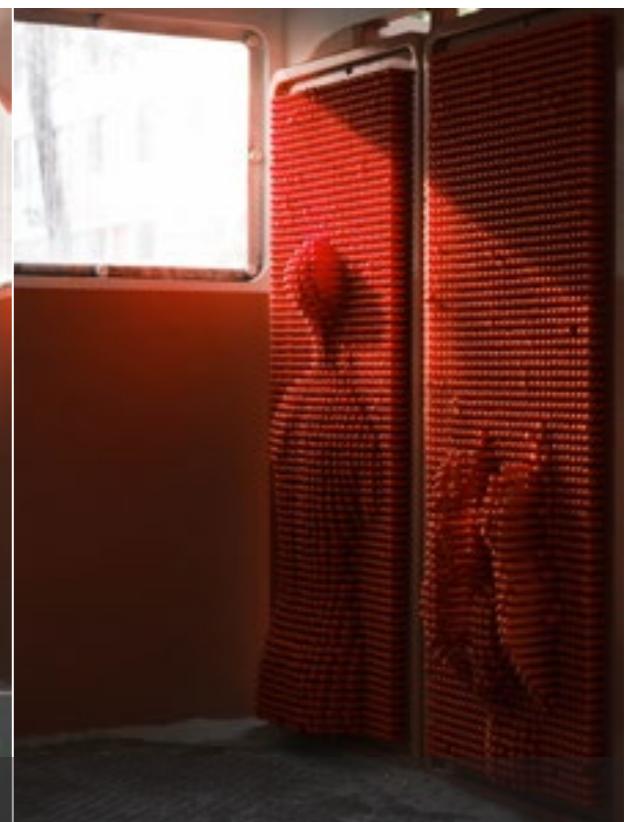
车头整体视角

Overall Perspective Of The Front Part



留在针画墙上的印子

Imprints Left On The Pin Art Wall



07 Public Attributes

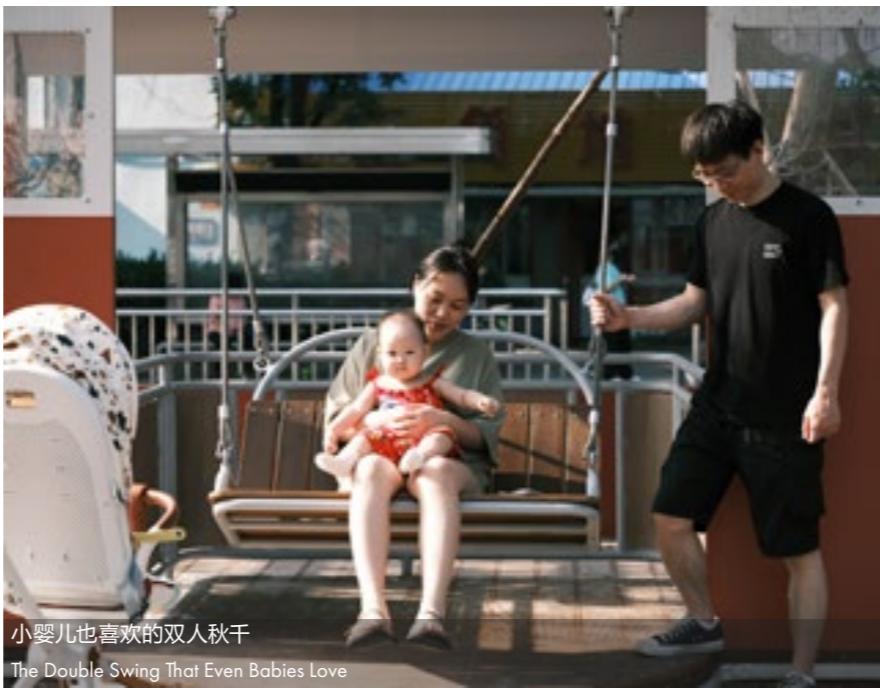
When designing open spaces for the public, careful consideration is given to materials, durability, cost-effectiveness, and maintainability. The main installation uses galvanized steel as the primary material, with fluorocarbon paint for protection. For user-friendly materials, outdoor carbonized bamboo wood was selected to ensure naturalness, eco-friendliness, and durability. At the same time, within the scope of the design's narrative, the work conveys local historical memories through elements of surprise, fun, and engagement.

07 公共属性

对于面向市民的开放空间的侧重，在材料、耐久性、性价比、可维护方面需要谨慎考虑。场地主体装置使用了镀锌钢作为原材料，氟碳漆喷涂防护。亲民材料方面选取了户外碳化竹木，保证材料的自然、环保与耐久。同时，在设计作品力所能及的叙事范畴下，以惊喜、趣味、参与感为介质，传递着源自当地的历史记忆。



欢乐温馨的亲子时光
Joyful And Warm Parent-Child Moments



小婴儿也喜欢的双人秋千
The Double Swing That Even Babies Love



车头上的仿公交车细节设计
Bus-Style Detail Design On The Front Of The Vehicle



让人玩得停不下来的蹦床及车尾区的钻筒等游戏设施
A Trampoline That People Can't Stop Playing On And Activity Facilities Such As Crawl Tunnel In The Rear



跳房子
Hopscotch

Location : Sanjiaodi Park, 15 West Government Street, Changping District, Beijing, China
Client: Beijing Changping District Urban Management Committee
Design: XISUI Design
Scope: 300m²
Status: Built
Completion: May 18, 2024
Main Material: Metal
Photo by: Hu Yihao
Design Team: Hu Yihao, Peng Yang, Li Zhenyang, Pan Yueqi, Wang Ding, Zhang Mai, Liu Yihe
Construction Firm: Beijing Municipal Construction Group Co., Ltd.
Collaborating Firm: Landscape Architecture College of Beijing Forestry University, Jinglin Landscape
Planning and Design Institute Co., Ltd., Cai Linghao Studio

项目地点: 北京市昌平区政府街西路15号 · 三角地公园
客户: 北京市昌平区城市管委会
设计单位: 喜随设计
项目面积: 300 m²
项目状态: 建成
建成时间: 2024年5月18日
主要材料: 金属
图片来源: 由胡一昊摄影
设计团队: 胡一昊 彭阳 李振阳 潘玥琪 王鼎 张迈 刘一何
施工单位: 北京市政建设集团有限责任公司
合作单位: 北京林业大学园林学院京林风景规划设计研究院有限公司蔡凌豪工作室



青梅竹马两小无猜的童年游戏时间
Childhood Playtime Of Innocent Friendship



在跷跷板上玩的开心的一对小青梅竹马
A Pair Of Childhood Sweethearts Enjoying Themselves On The Seesaw