

İTÜ



DEPARTMENT OF
INDUSTRIAL
DESIGN

ENT350E CONTEMPORARY FURNITURE DESIGN
2023-2024 SPRING SEMESTER

URBAN FURNITURE SYSTEMS



Contemporary Furniture Design is an undergraduate elective course held under the academic curriculum of Istanbul Technical University, Department of Industrial Design. This catalog contains the outcomes of 2023-2024 Spring semester final project of the course.

The topic of the final project was to design furniture for public spaces around the world. To narrow down the subject, cities with the largest population in the world* were randomly selected. The needs in the selected cities was determined and local materials, production methods, social and cultural outputs was synthesized. The resulting project was expected to obtain a furniture system including at least 3 functions and/or 3 different products that can be used on an urban scale and in public spaces.

Class was held every Tuesday for 3 hours. Final project consisted 4 weeks process including research presentations, sketching, simple mock-ups and critiques with the instructor. I hereby thank all 30 students registered to the course for their valuable efforts and interesting solutions they offer to the given subject.

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*<https://data.worldbank.org/indicator/EN.URB.LCTY?view=map&year=202>

CONTENT

1

KINSHASA

2

KARACHI

3

MANILA

4

LAGOS

5

CAIRO

6

BUENOS AIRES

7

SHANGHAI

8

SAO PAULO

9

DELHI

10

TOKYO



KINSHASA, CONGO



We designed a street furniture influenced by Congo's ethnic patterns including both motorcycle storage and bus waiting spaces while creating a safe and ecologically friendly rain collecting system.

GROUP 1



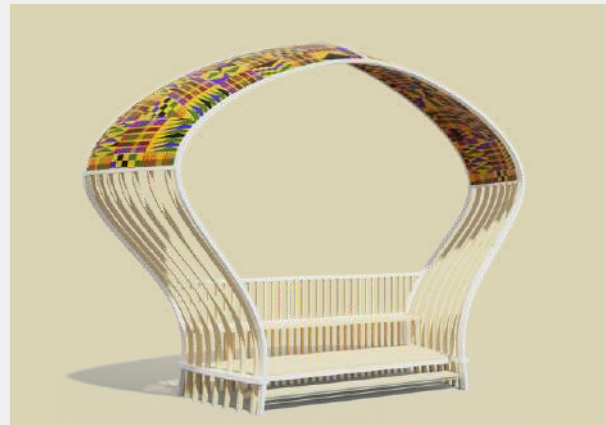
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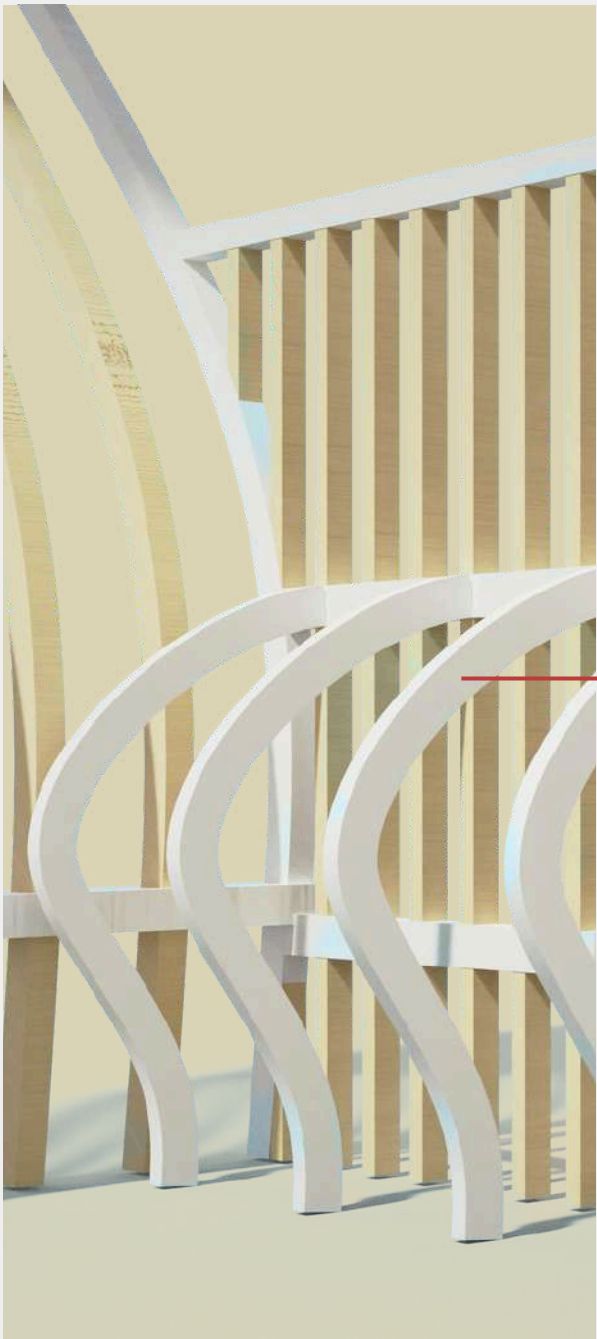


KINSHASA, CONGO



SEATING ELEMENT

The seating area provides a comfortable and modern design, offering a cozy waiting experience in Kinshasa's warm climate.



MOTORCYCLE PARKING

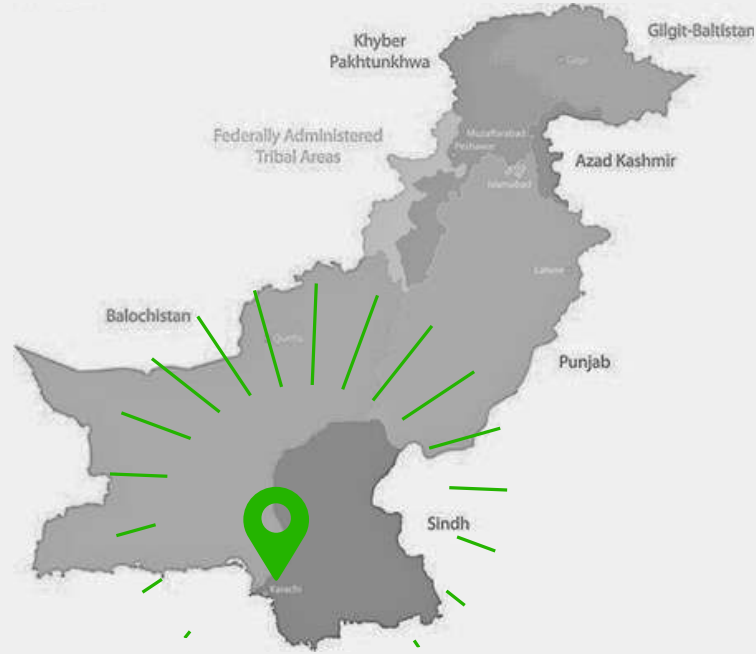
The motorcycle area features secure parking and convenient amenities, ensuring a safe and hassle-free experience for riders



CANOPY

Shading system offers relief from the sun's glare, providing a cool and comfortable space for waiting passengers in Kinshasa.

KARACHI, PAKISTAN



Designed specifically for the Karachi where cricket is passionately played, a bench to watch the game, storage areas for bats and a wicket.

GROUP 2



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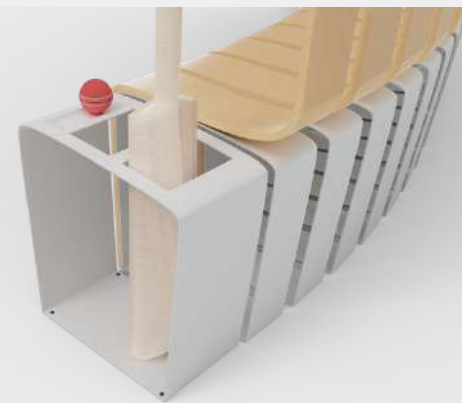
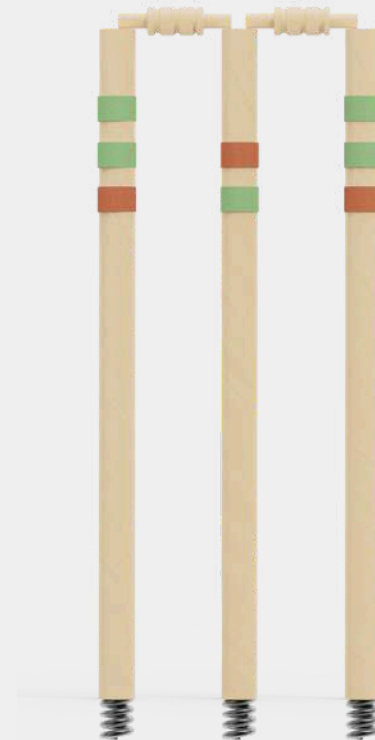
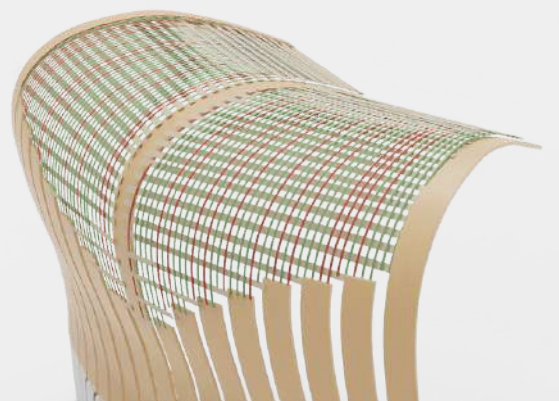
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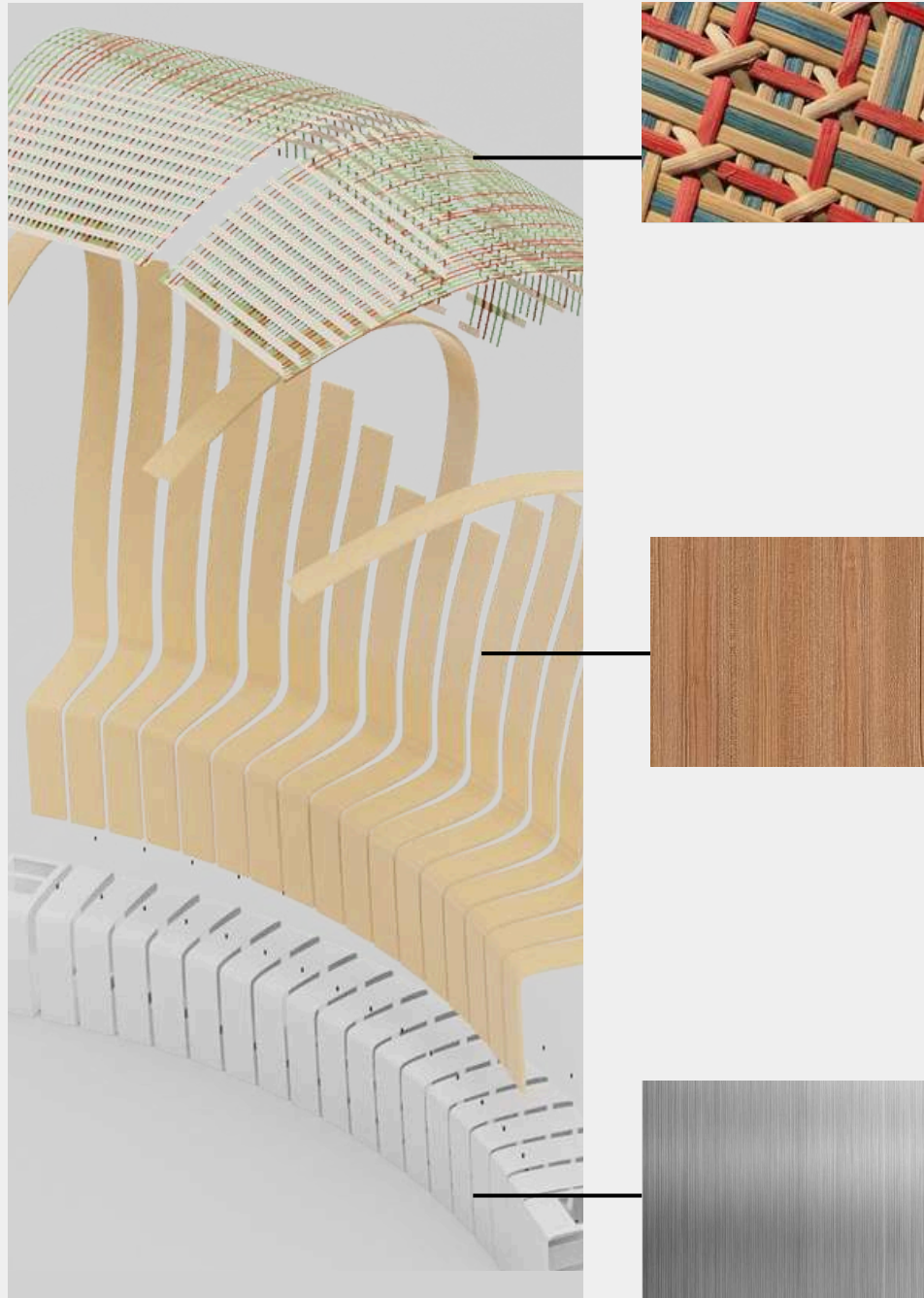
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CrickMATE

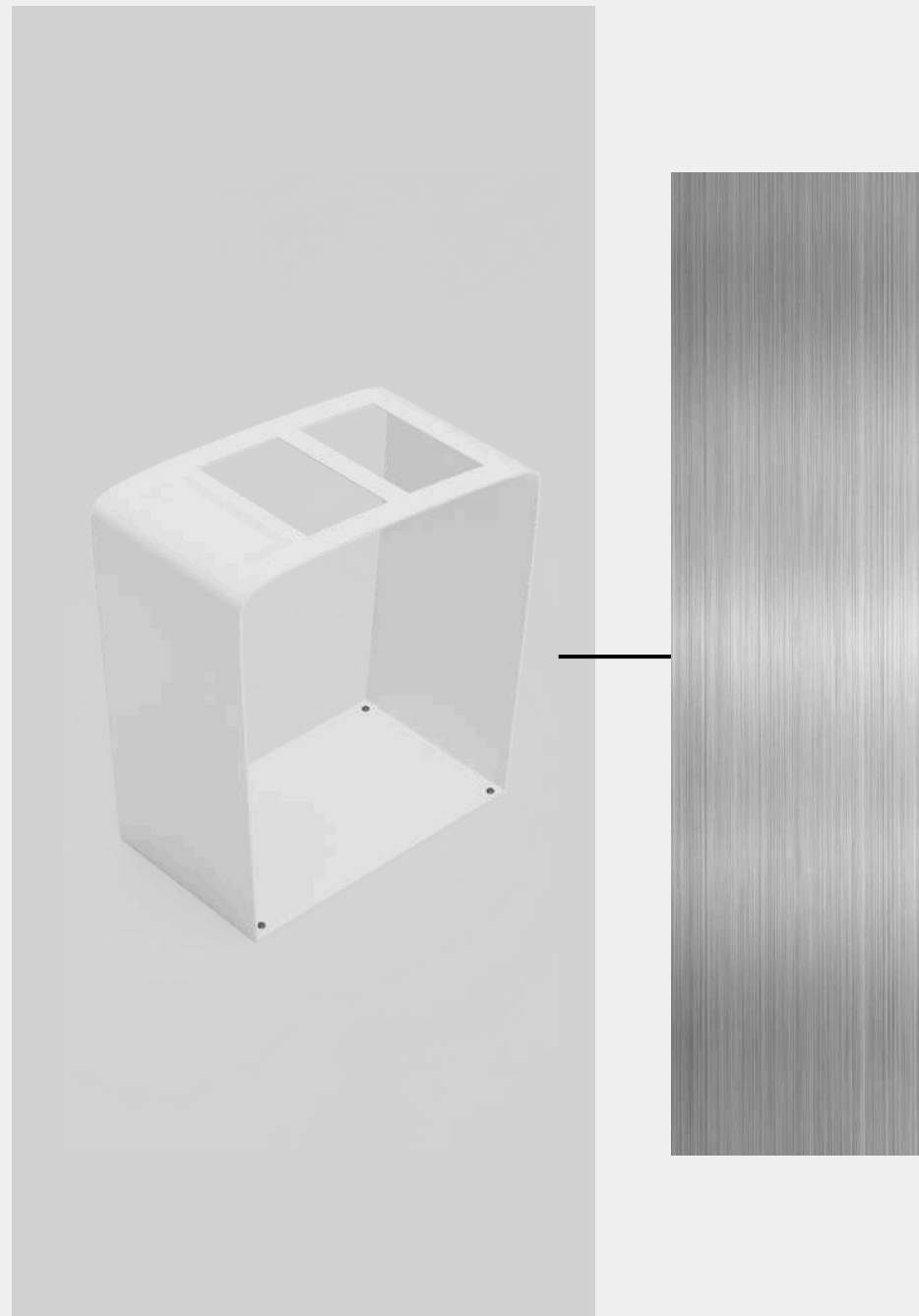


KARACHI, PAKISTAN



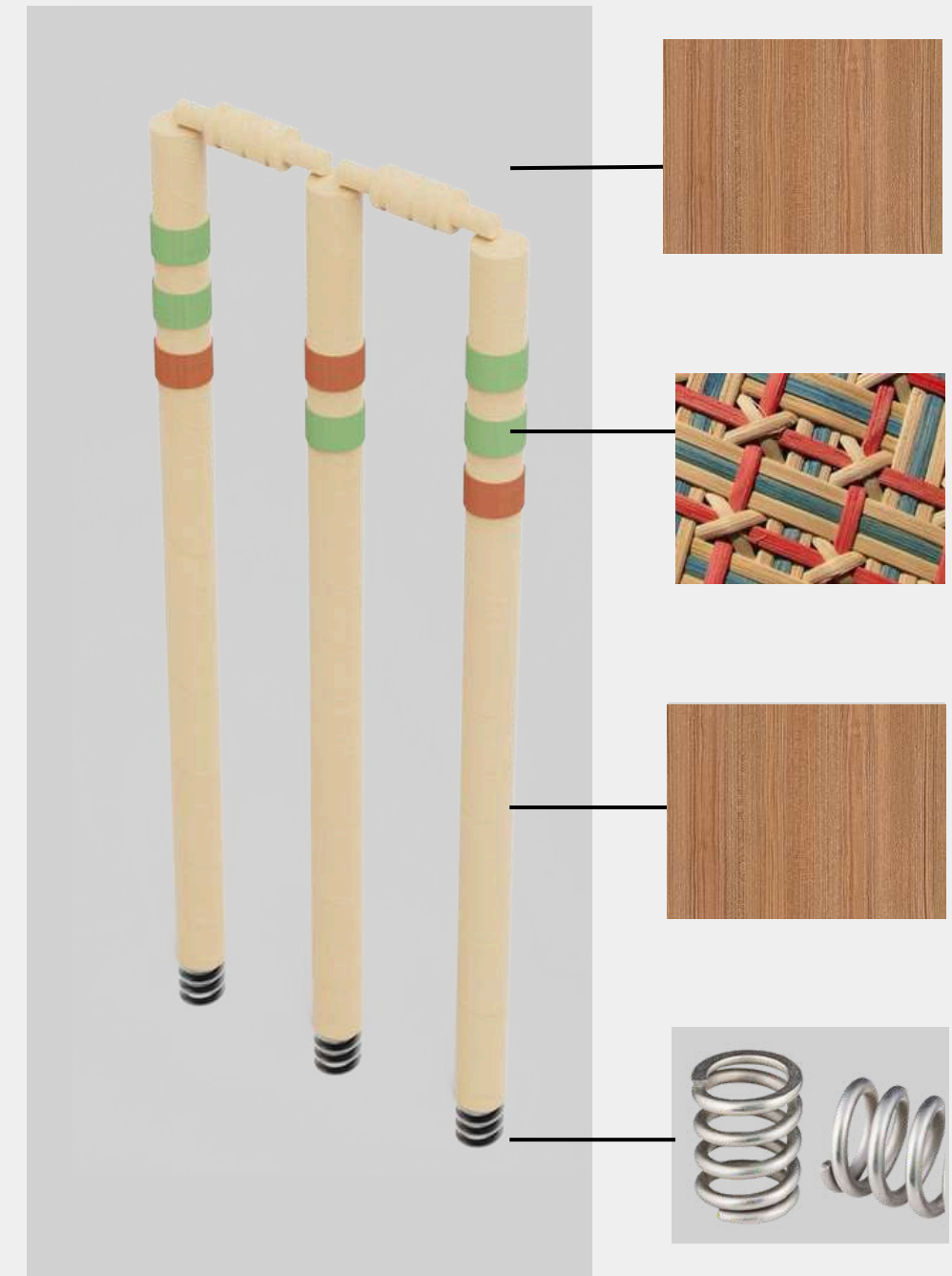
BENCH

It provides both shade for spectators and a protective area from balls coming from behind.



STORAGE ITEM

The storage space provides space for the trackers to put their cricket bats and balls.



WICKET

The Wicket castle moves without falling with the spring system under it and provides the foundations of cricket.

MANILA, PHILIPPINES



In Manila, parks and coastal areas receive steep sunlight angles throughout the day due to its tropical climate and proximity to the equator. This sitting unit provides sun and rain coverage, including a plant and trash unit.

GROUP 3



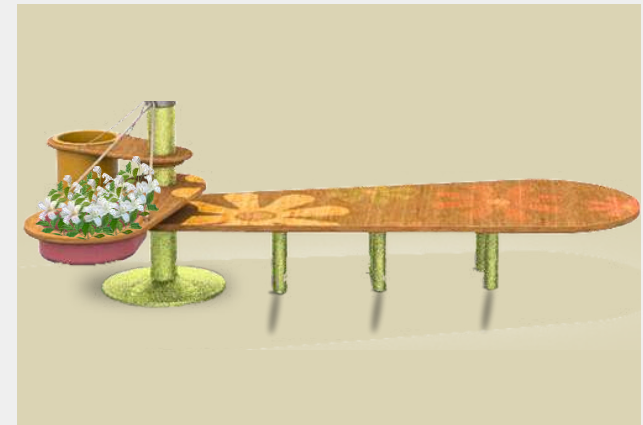
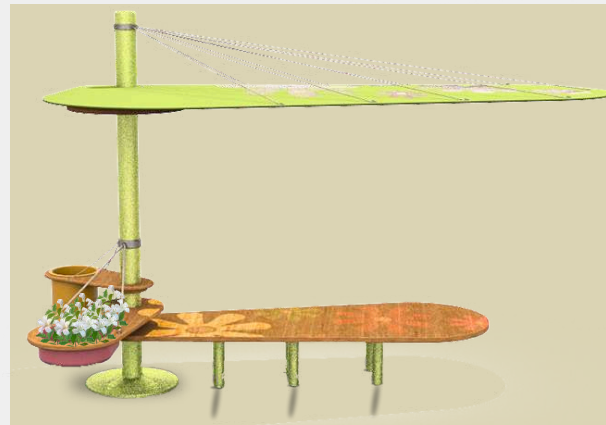
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MANILA, PHILIPPINES



LAGOS, NIGERIA



The city's rapid growth and high population density necessitate well-designed street furniture to enhance public spaces and ensure the comfort and safety of its residents. In response to these needs, we are designing a multifunctional bus stop and a divider unit for pavements and roads.

GROUP 4



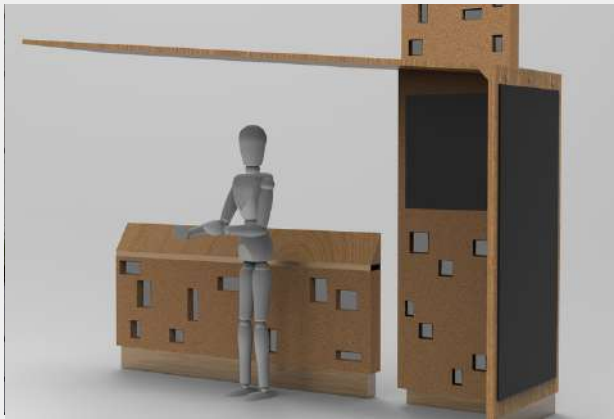
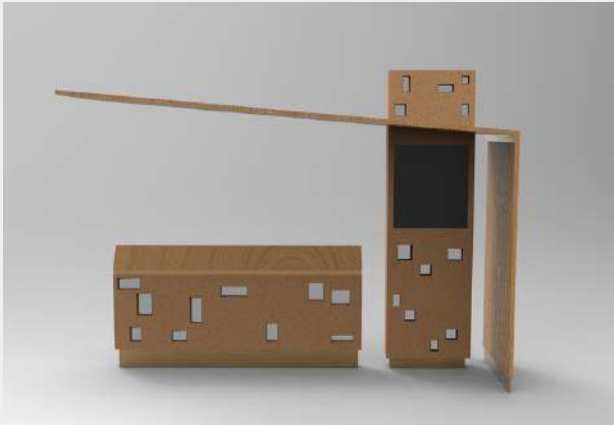
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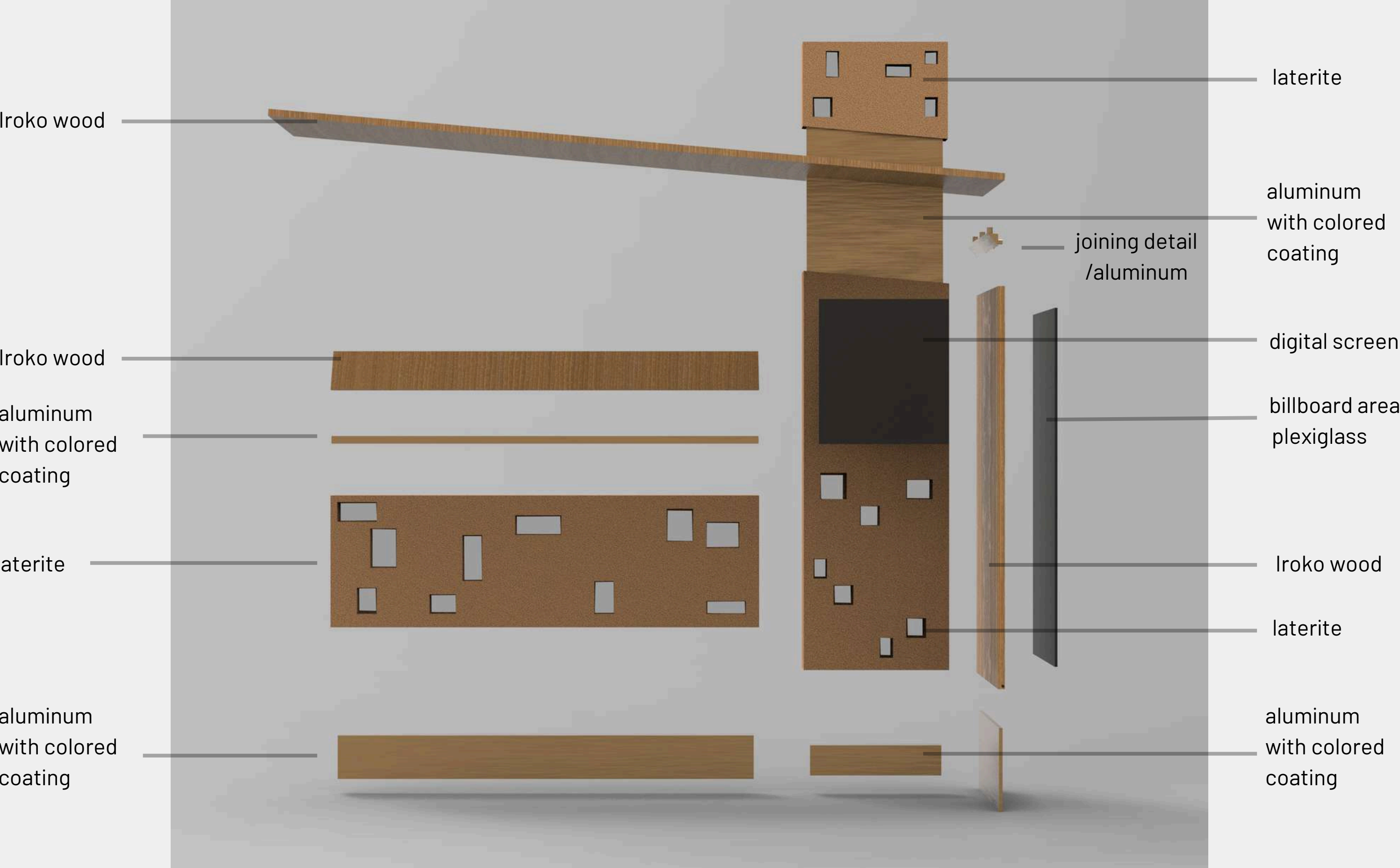
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LAGOS, NIGERIA



CAIRO, EGYPT



We noticed most were the lack of bus or minibus stops and the absence of street lighting, which is felt very much in the city after dark. But the biggest problem in Cairo has always been too much heat and sunlight. As a team, we designed two products that could answer these problems.

GROUP 5



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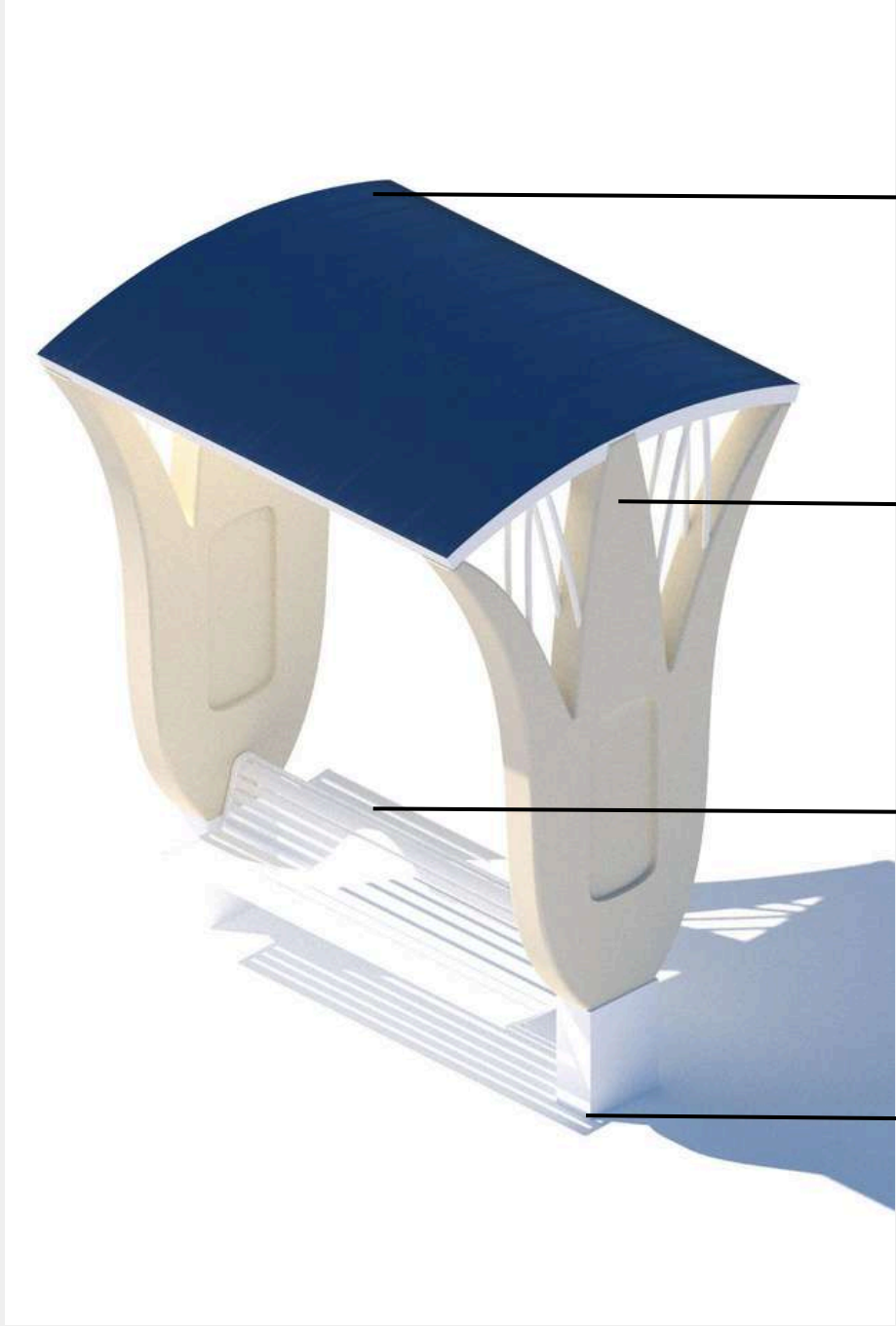
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CAIRO, EGYPT



Solar Panel



Limestone



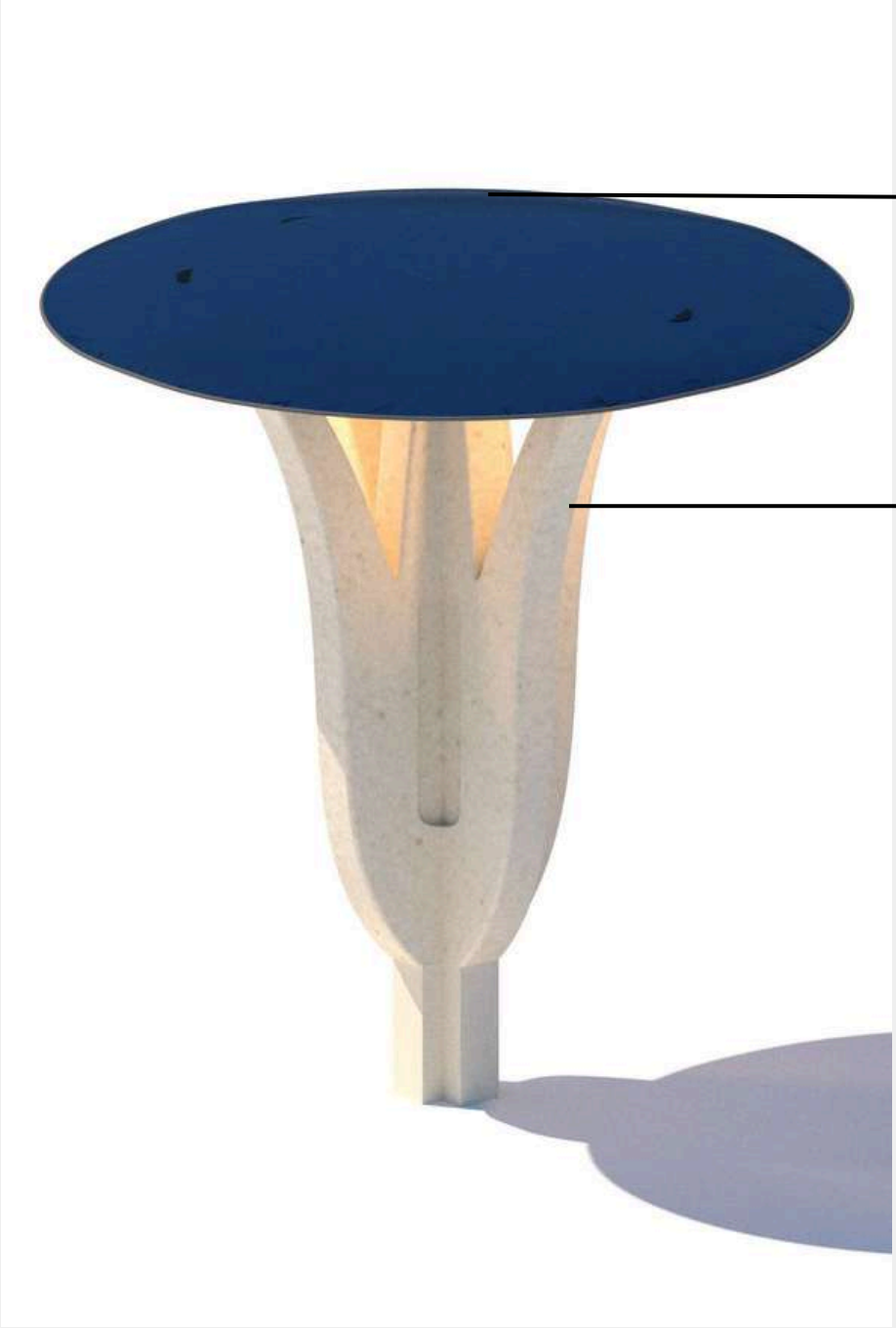
Painted wood



Stainless Steel

BUS STOP

With its double-sided seating unit, it gives more people the opportunity to rest while waiting for public transportation. While it contributes to sustainability by providing the electricity needs of the bus stop with the solar panels that cover it.



Solar Panel



Limestone

LIGHTING AND CANOPY

We planned to install the lighting unit in areas where the environment is open and there is high human circulation. We aimed to protect people from the burning effect of the sun by creating shadow areas during the day and to illuminate the environment at night.

BUENOS AIRES, ARGENTINA



Urban furniture designed for Buenos Aires and the Argentinian soul, inspired by tango and football.

GROUP 6



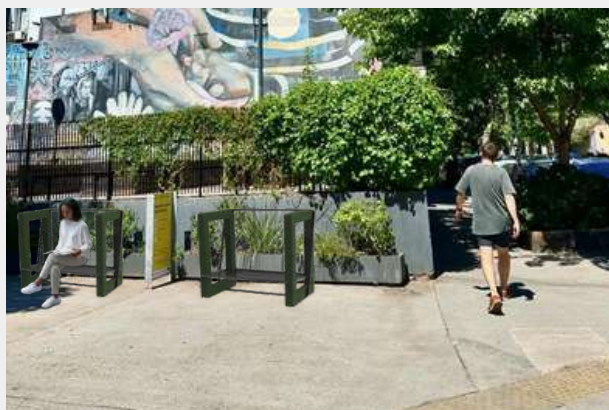
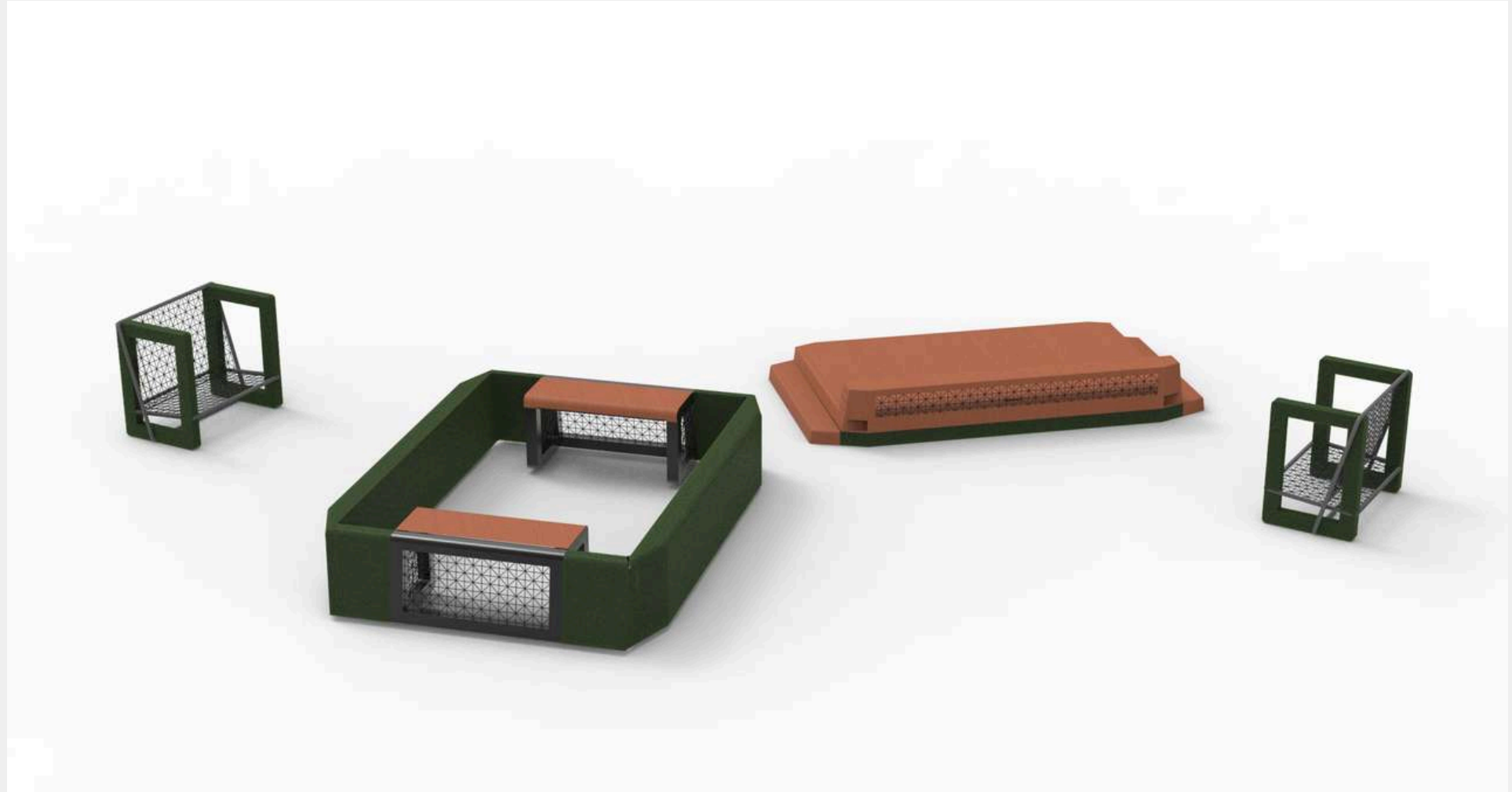
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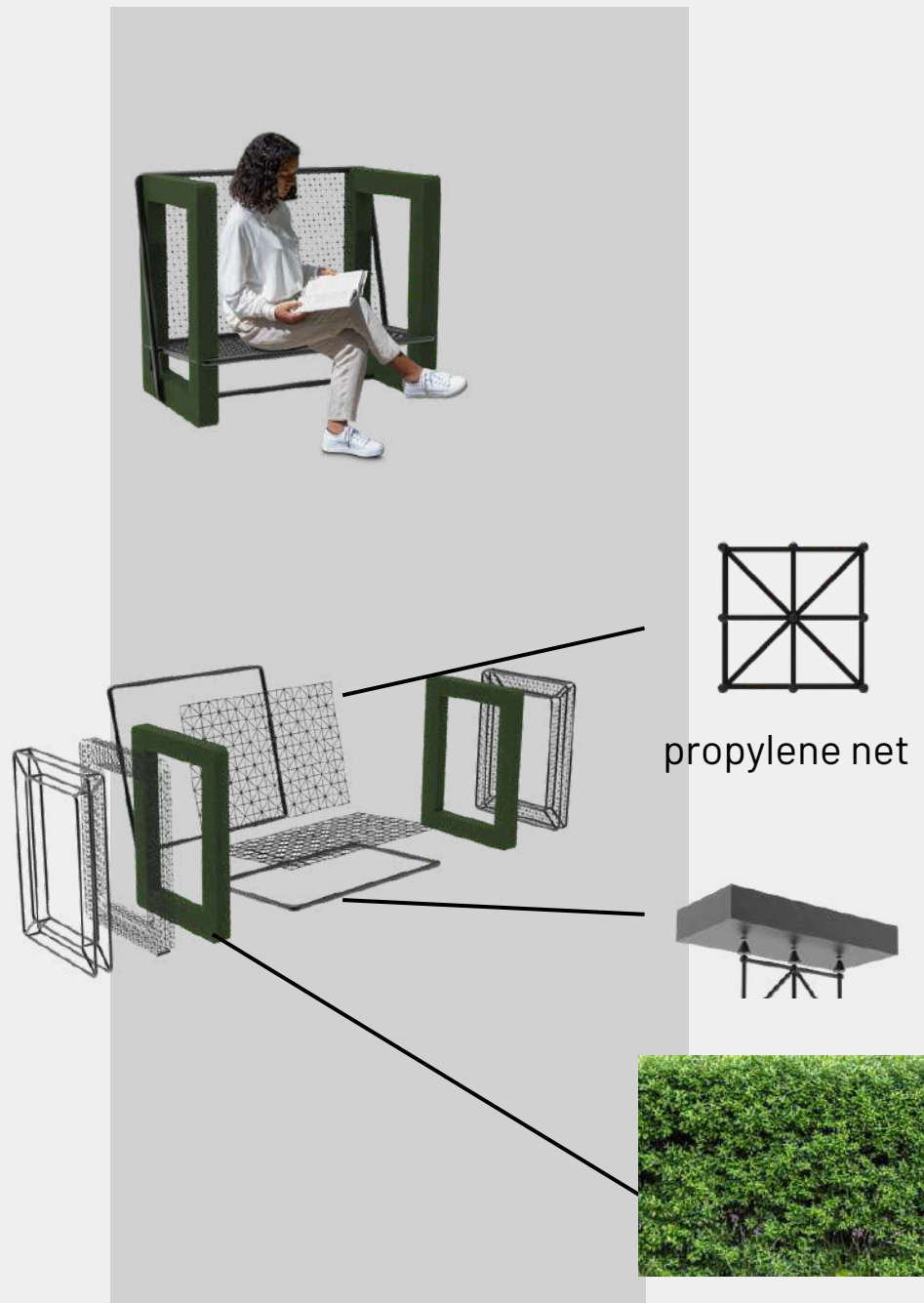
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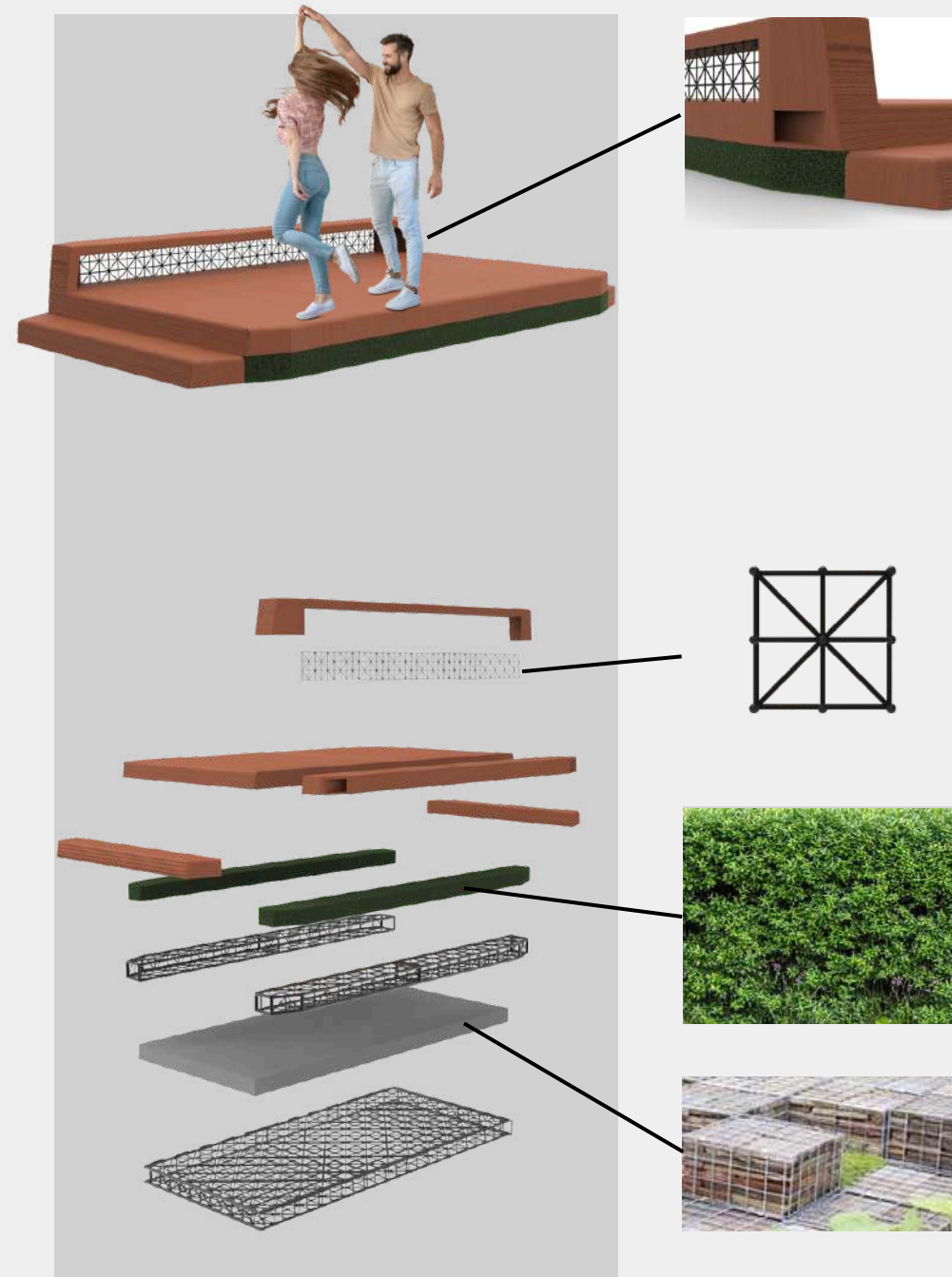


BUENOS AIRES, ARGENTINA



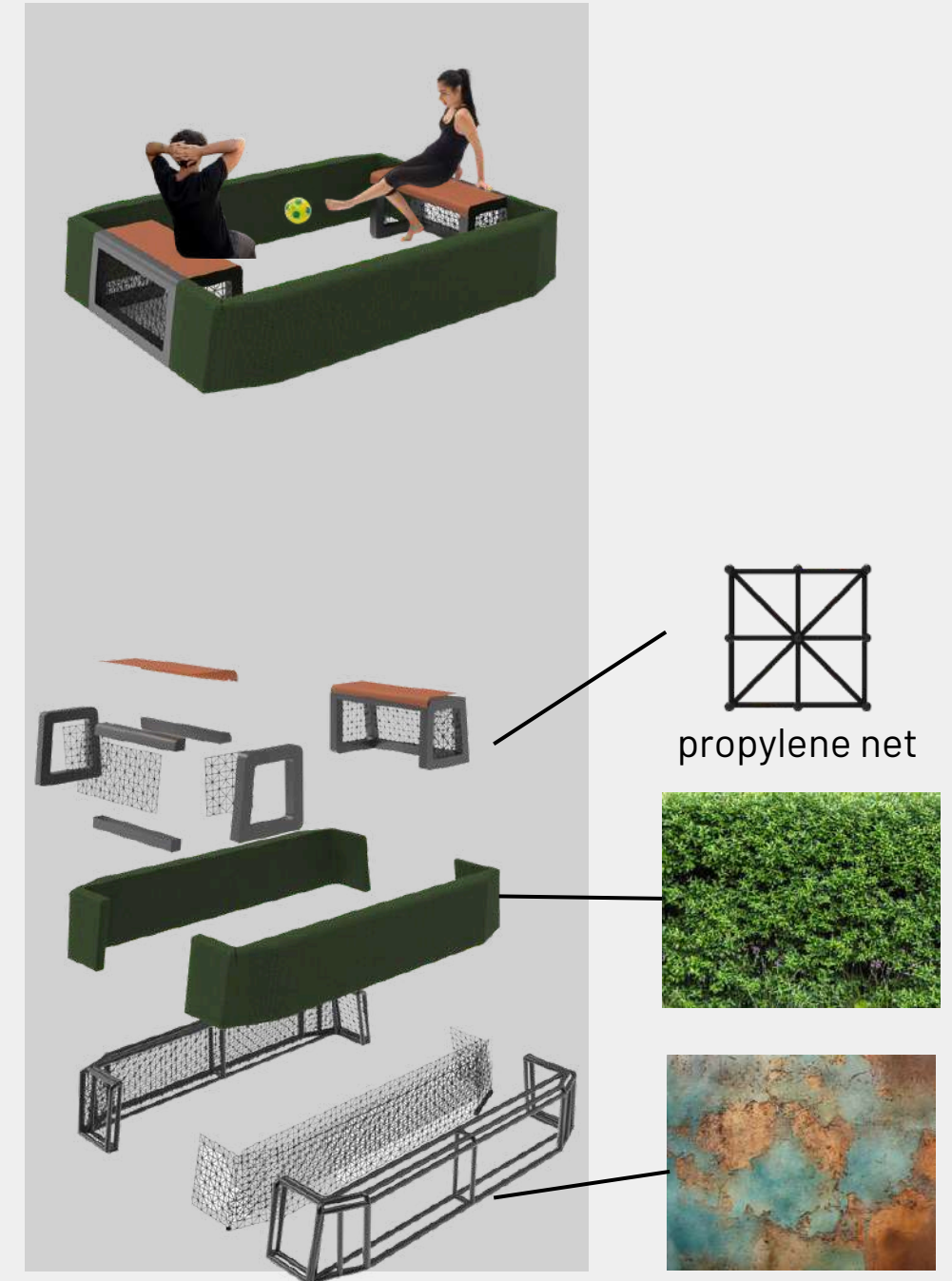
PUBLIC SEATING

A buoyant seating piece was designed with a mesh that reflects the planning and fabric of the city, that with time we intend to have plants growing on.



STREET TANGO

We wanted to create a platform that could exist in many sites and offer places for people to play music, dance, and when dancing is not actively happening, the platform can be used as passive seating.



SEATED SOCCER

Building on the country and cities love of football, we've created a social football element that can exist in parks and plazas across the city. Offering a social activity area for everyone to play soccer and practise kicking.

SHANGHAI, CHINA



Focusing on the Bund at Shanghai with a system providing entertainment, seating & cover; we aim to provide an experience.



GROUP 7



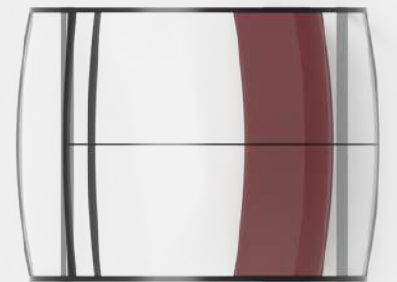
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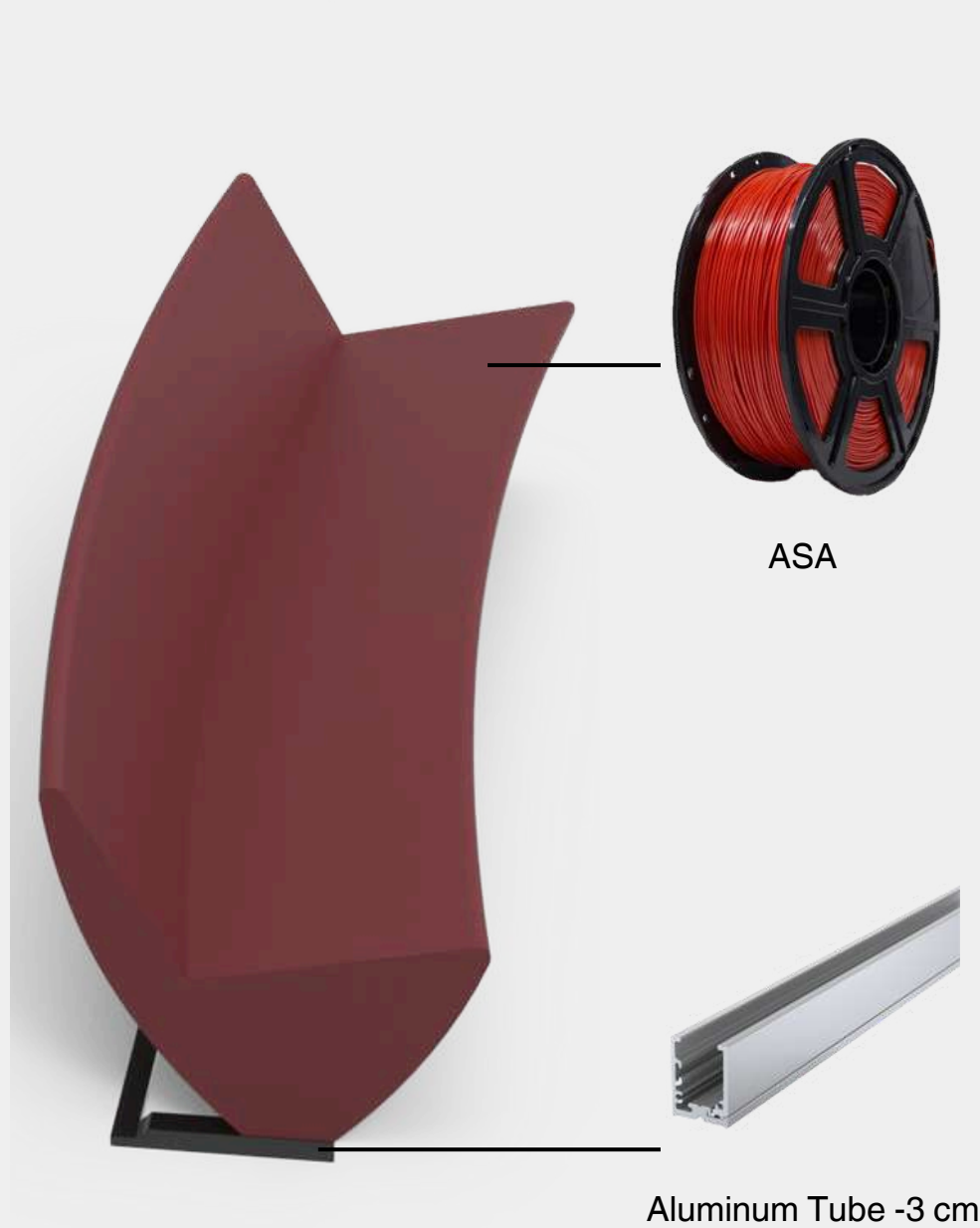


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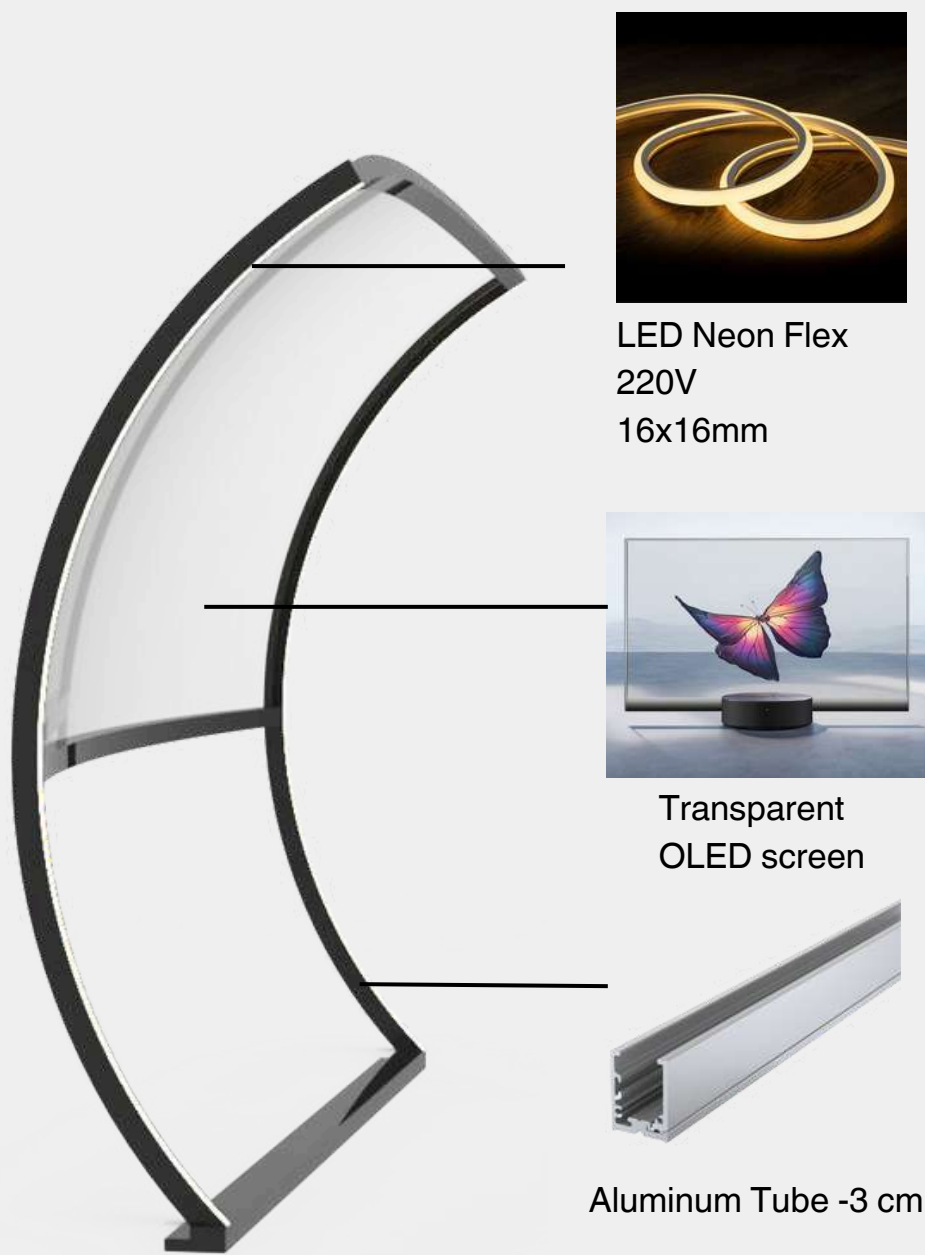
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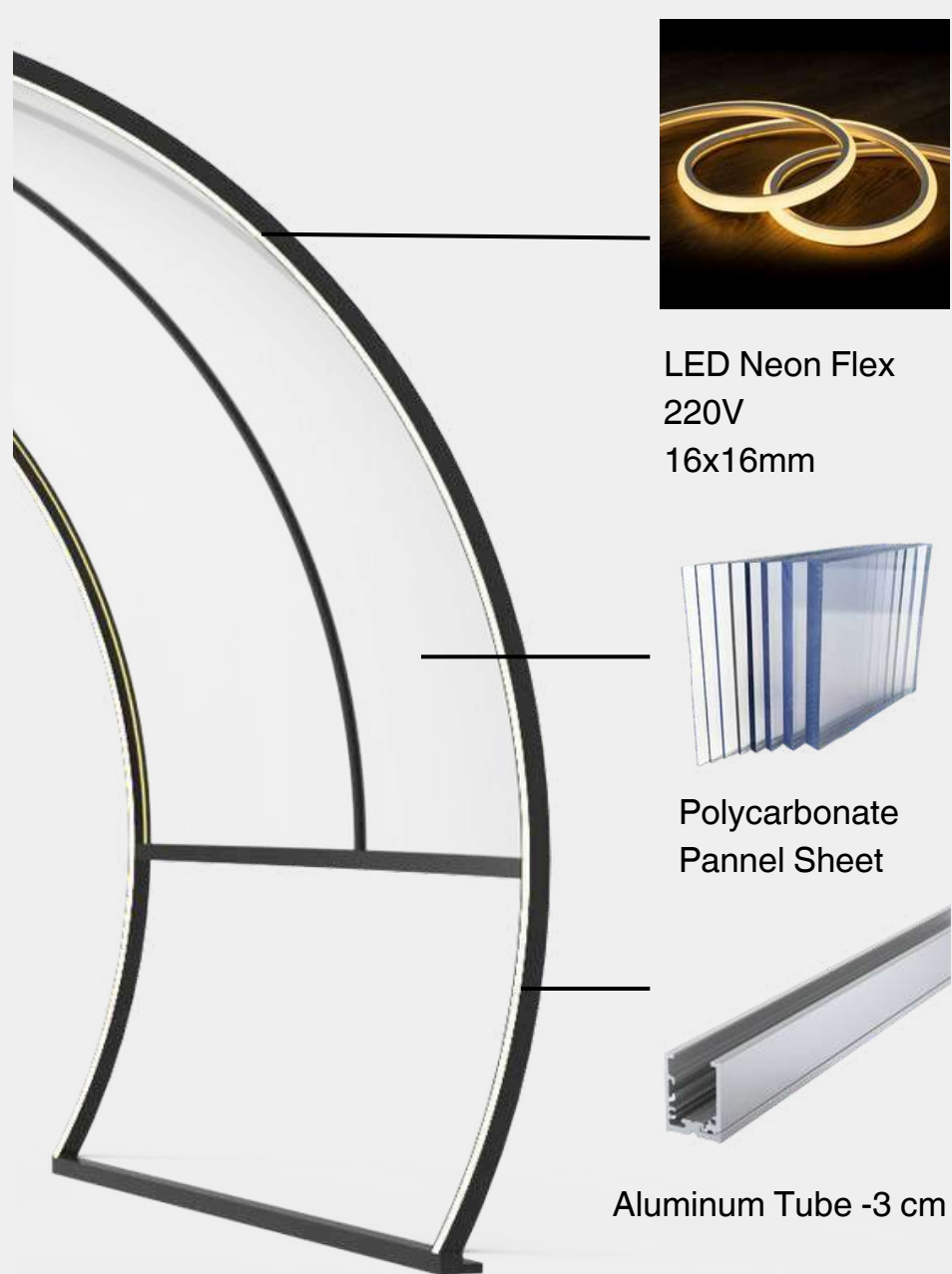
PUBLIC SEATING

Our ergonomic seating is designed for comfort and community, allowing visitors to relax and enjoy the Zodiac Vista experience. It maximizes viewing angles and encourages social interaction, blending tradition and innovation.



SCREEN DISPLAY

Our transparent OLED display, a modern technology marvel, dynamically transforms each year to showcase stunning visuals celebrating the Chinese zodiac. It serves as a window to the past and a gateway to the future, captivates and inspires.



COVER

The Interactive Cover is an innovative feature that adapts to environmental changes, ensuring optimal viewing conditions for the OLED display. It not only preserves the screen's clarity and brilliance but also adds an extra layer of engagement, making Zodiac Vista an immersive and adaptive experience.

SÃO PAULO, BRASIL



We designed an area where young people can relax and socialize from time to time during festivals, which can be used in Ibirapuera Park and others.

GROUP 8



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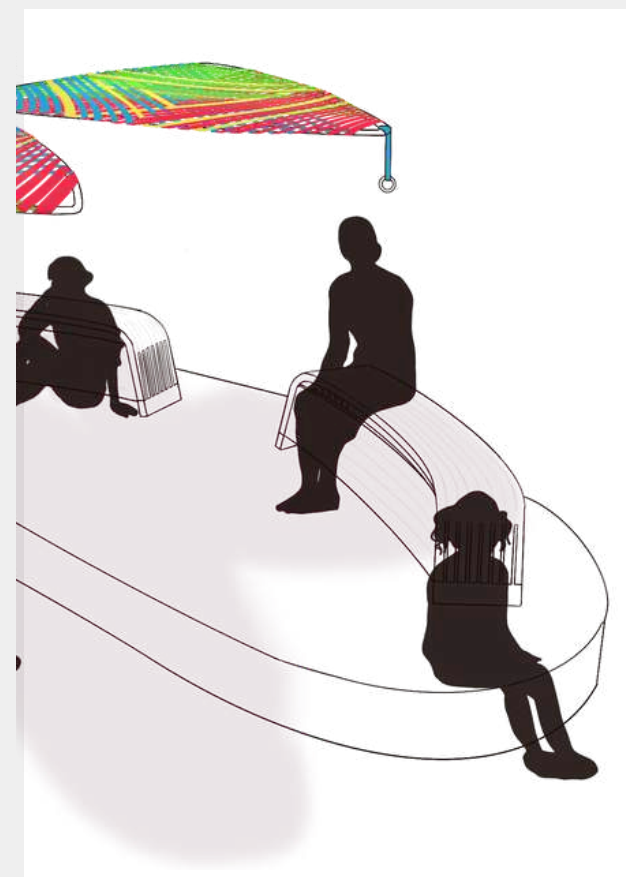
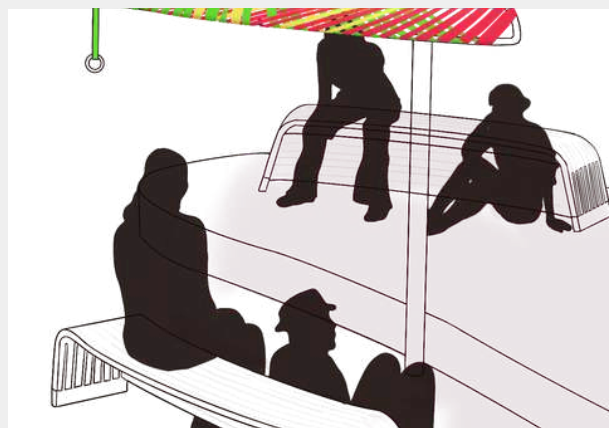
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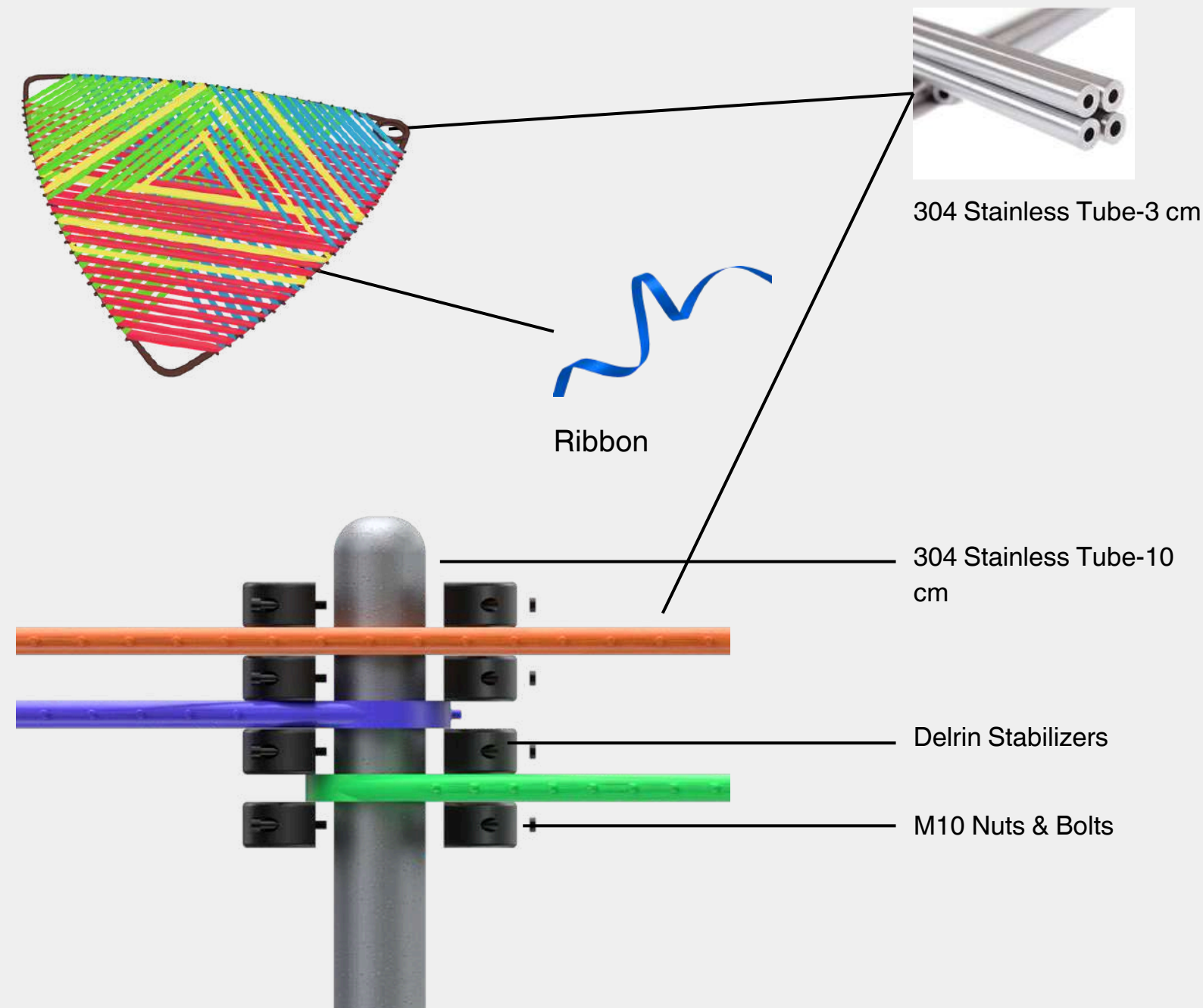
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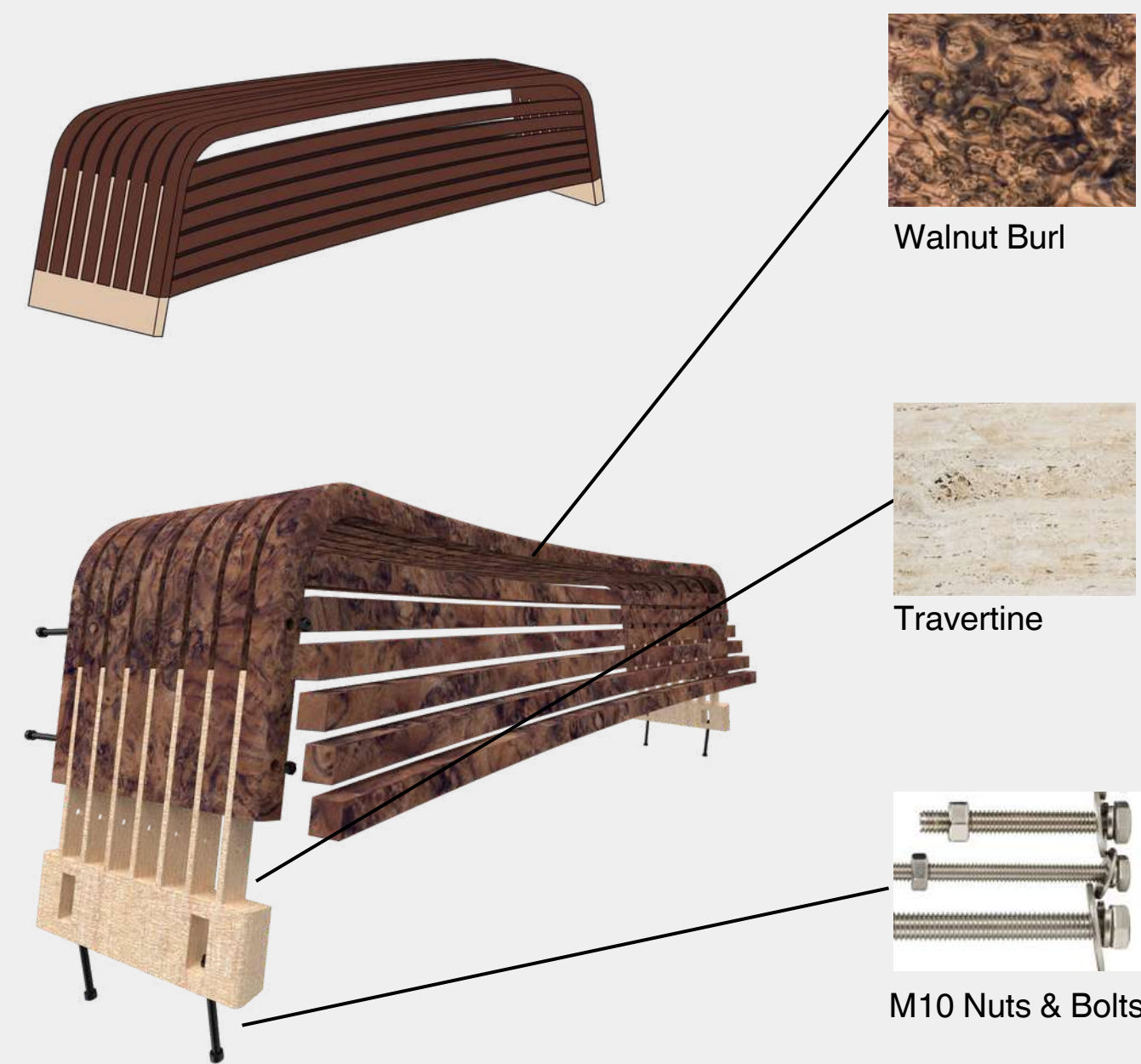
EL FESTIVA



SÃO PAULO, BRASIL



SHADE



SITTING UNIT

NEW DELHI, INDIA



This is a multi-function street furniture which aims to help the citizens against the increasing pollution and extreme weather conditions as well as the traffic problems of New Delhi.

GROUP 9



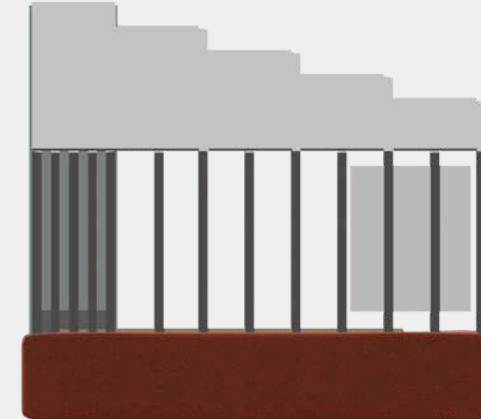
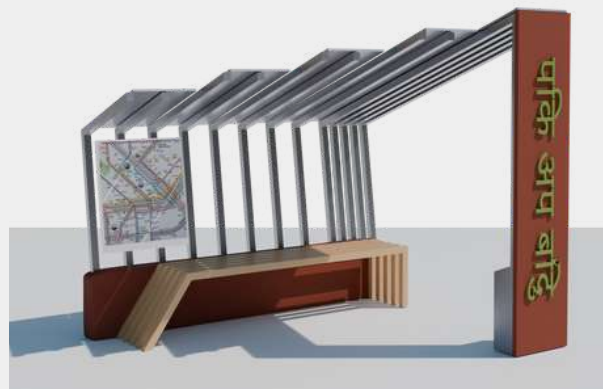
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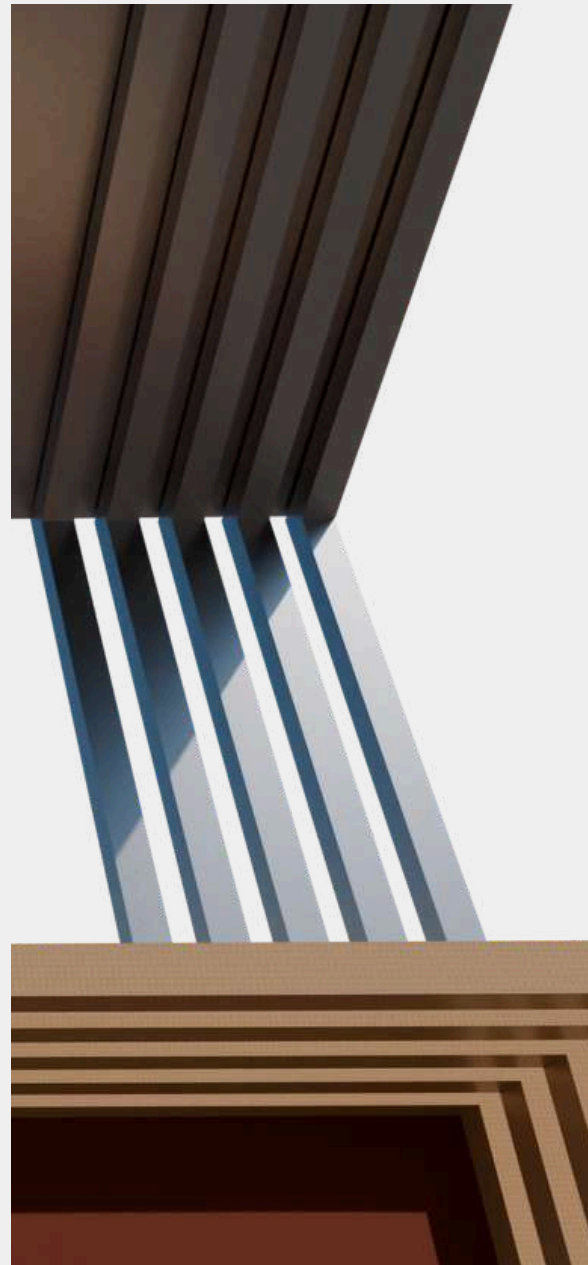


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Red Brick



Metal



Metal

PICK-UP POINT

A need for a pick-up point resulted by the lack of division between roads and sideways

WEATHER PROTECTION&SITTING

Protection from the weather conditions is provided because of the extreme hotness and monsoon rains

TRASHCAN

Against the increasing pollution in the streets, a trash can is provided

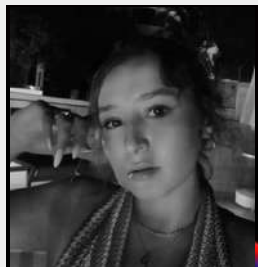
TOKYO, JAPAN



These are multi-functional city furnitures that preserve the Japanese culture's respect for nature and materials, integrated into the city without disrupting the urban pedestrian and vehicle circulation due to the fast-paced life and excessive human density in Tokyo.



GROUP 10



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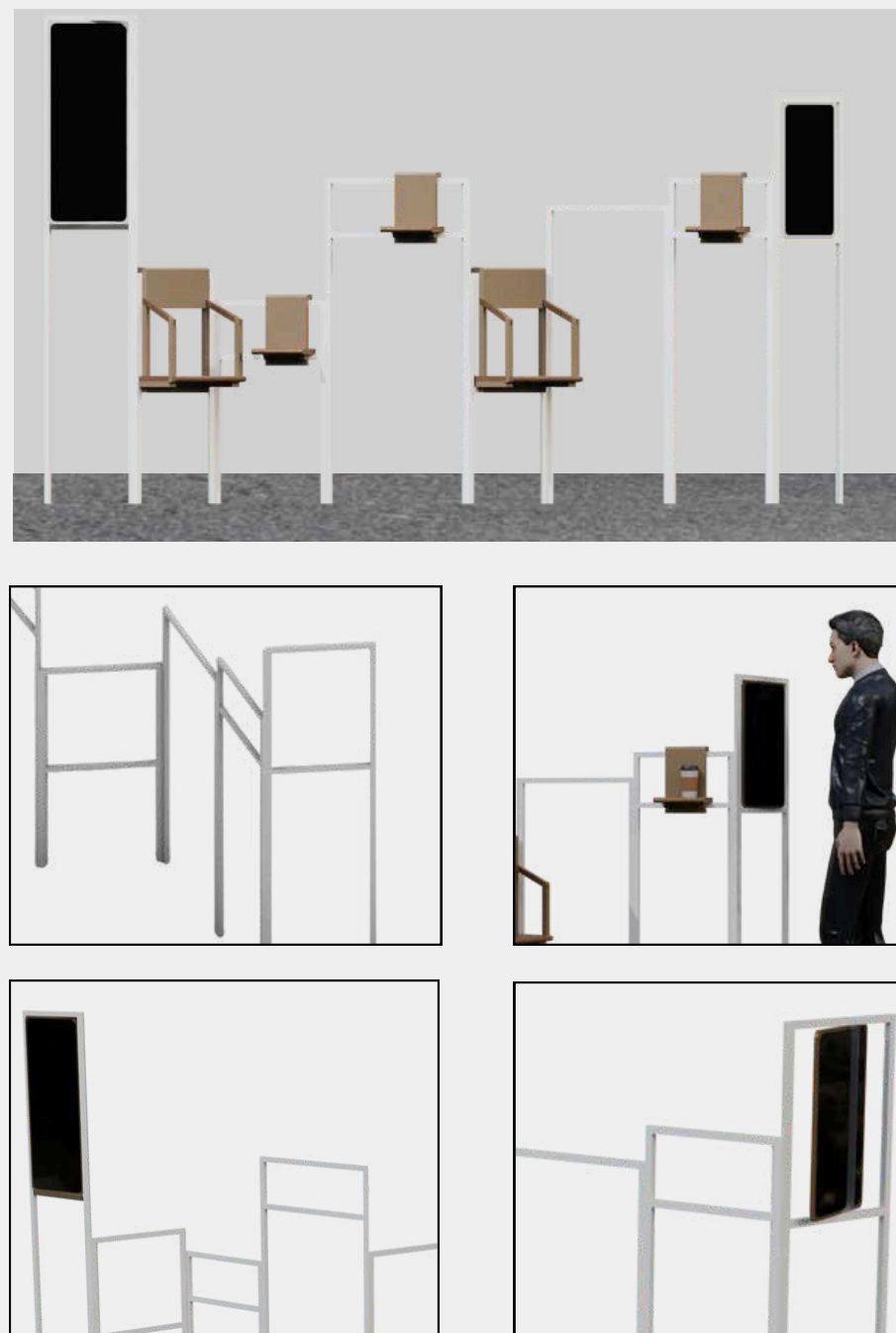


TOKYO, JAPAN



SEATING UNIT

The seating unit was designed using Japanese wood techniques so that the wood can be integrated into the panel barrier using less material.



PANEL UNIT

The designed panel and seating unit were designed by analyzing people living in Tokyo. The constantly flowing life in Tokyo and the fast usage preferences of people living in Tokyo have been taken into account.



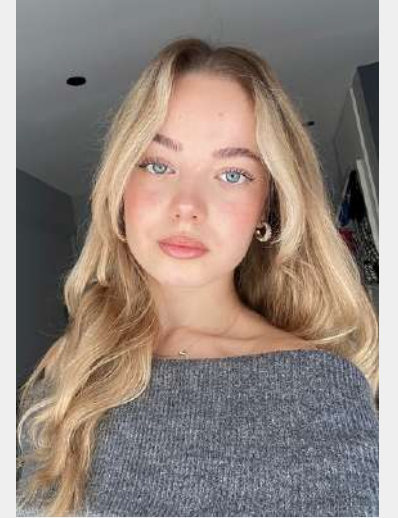
SMART PARKING & EV CHARGER

The smart parking system designed for the parking system in Tokyo is also a charging unit for electric vehicles.



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