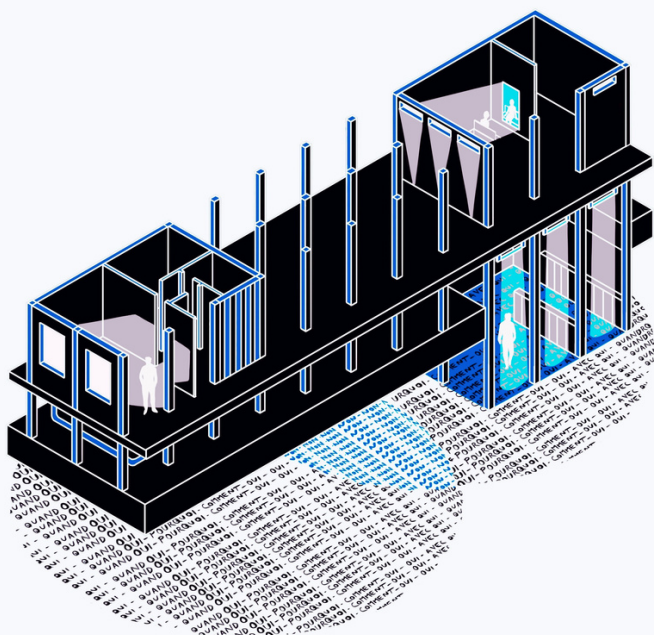
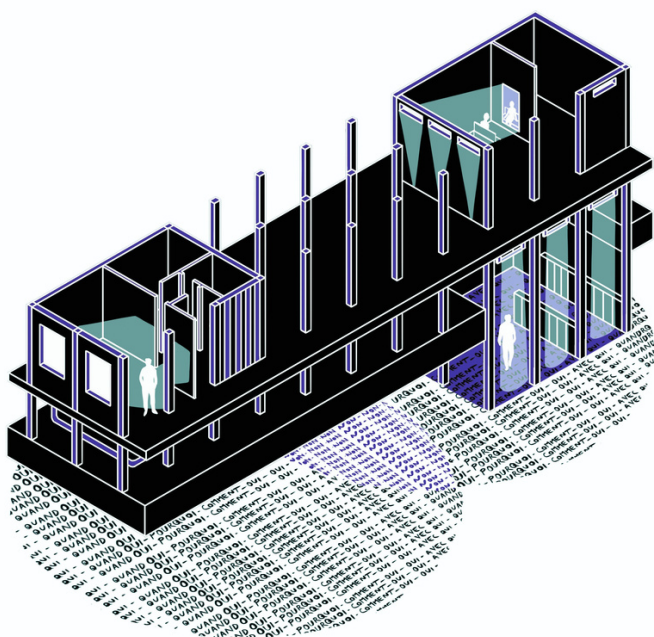
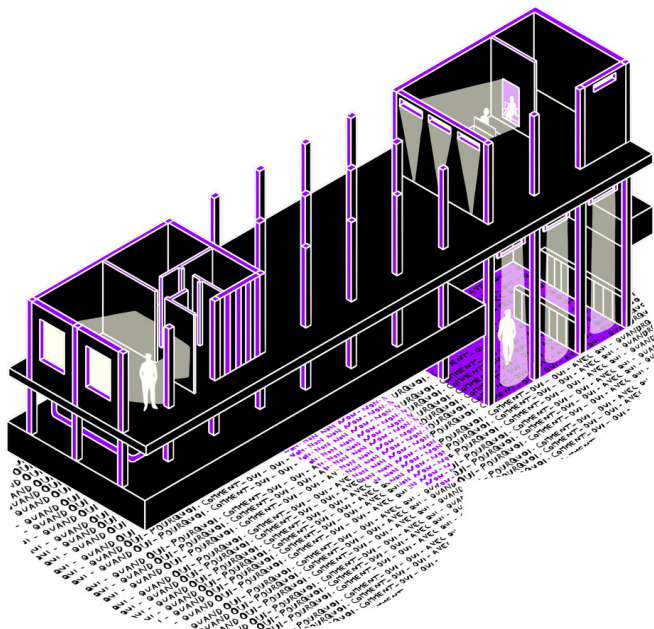


I am a double degree student in engineering and architecture who will graduate from ENTPE (National Public Works Engineering School) in 2023 and ENSAL (National Architecture School of Lyon) in 2025.

Laëtitia Clément

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UNIVERSITY PROJECTS

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*"From the house to the museum
the guiding principle of the double course in
engineering and architecture*

LE PARKLET

THE PARKLET

ENSAL | March 2021

Took up the challenge to design and build, with 30 students, a prototype of Parklet (an urban layout to replace a parking lot).

The photographs represent respectively the initial ideas (proposed in groups of 3), then the final element.

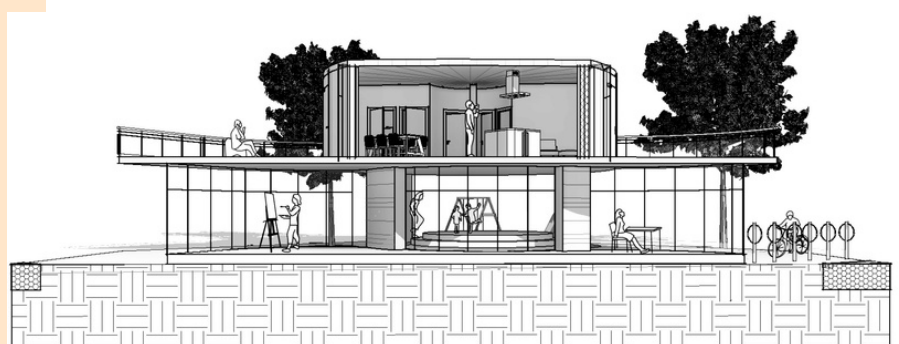
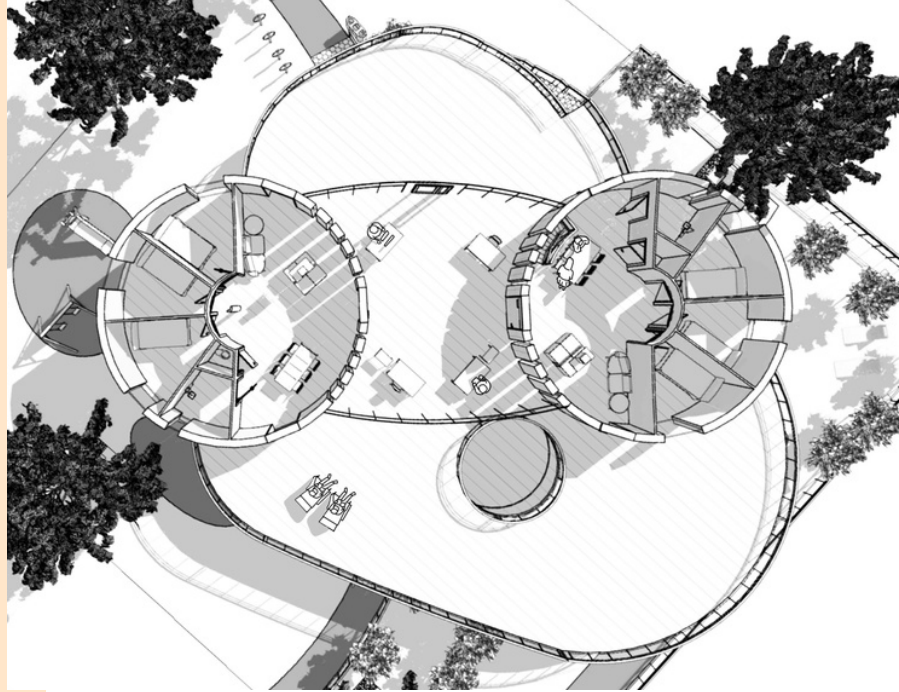
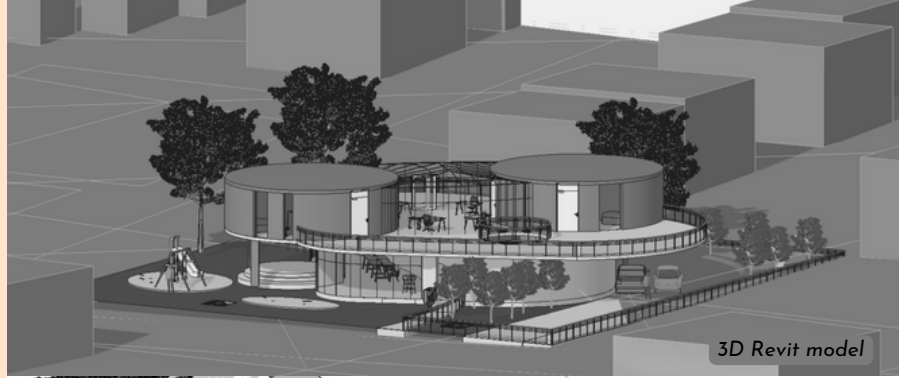


L'HABITER - IN[VIE]TATION

LIVING

ENSAL | October 2021

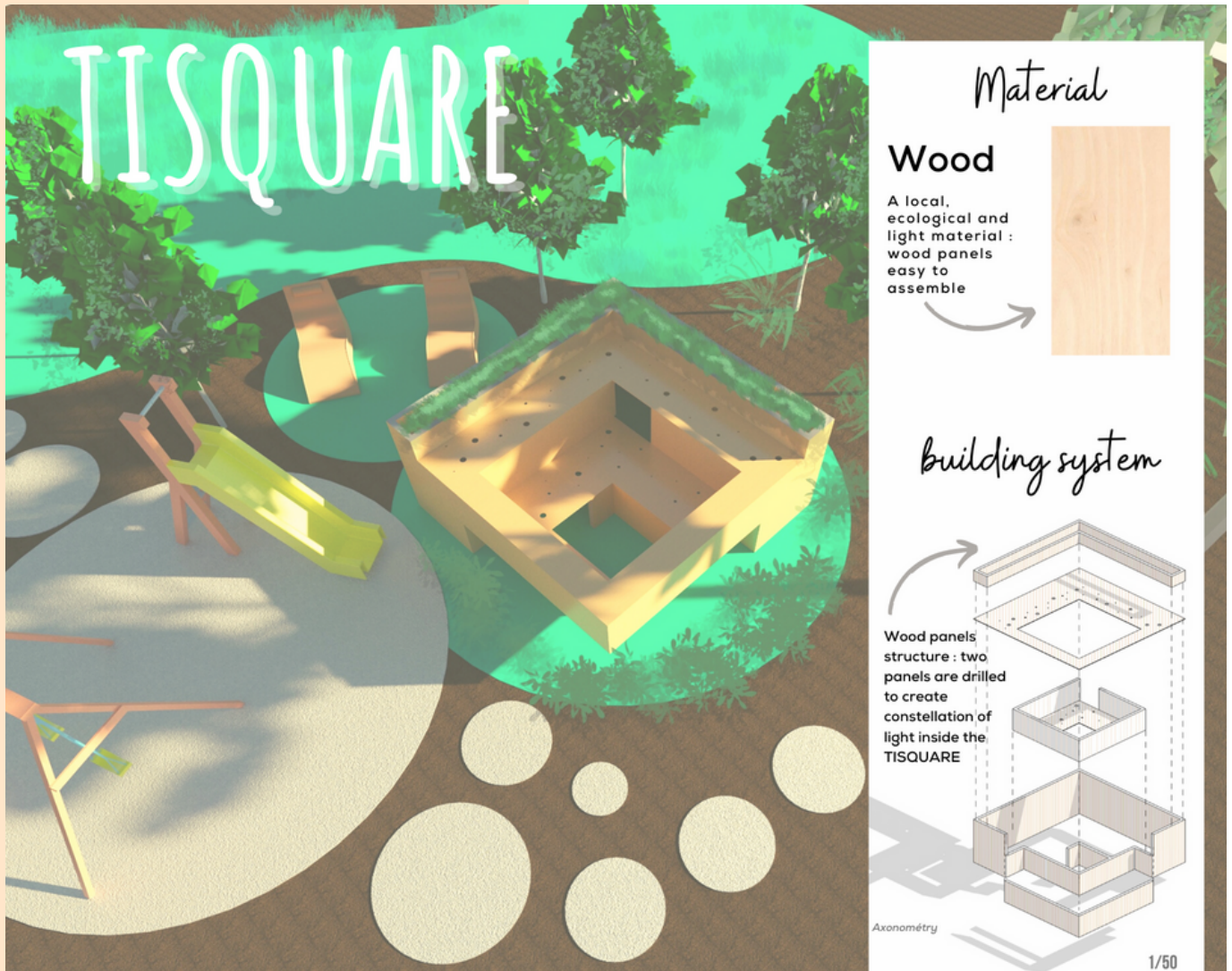
I design a 3-unit apartment complex: one on the ground floor for an artist's family with a studio apartment, and two upstairs with a coworking space for young professionals. On the ground floor, there is also a parking lot, a playground, and a path for pedestrians (low to moderate flow) to cross the parcel while observing the artist's studio through the bay window.



TISQUARE

ENSAL | March 2021

Oneshot made individually in one week.



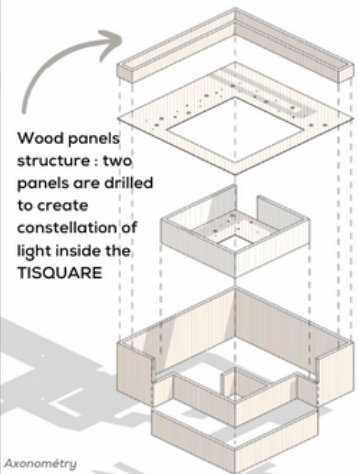
Material

Wood

A local, ecological and light material : wood panels easy to assemble



building system

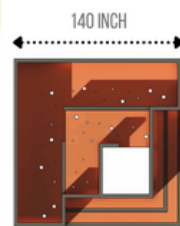


Axonométrie

1/50

The project

A easy to do building unit that can be plugged with others



Ceiling plane



Ground plane

1/50

Both indoors or outdoors, the TISQUARE is a level-playing surface where the child can jump, crawl, and play in hidden recesses, inside or outside.

The child could appropriate this space as a reading area, a space for artistic or environmental experiment as a playground for him and his friends in the school yard.

Immersed in light and revegetation, the TISQUARE is the place for kids to create their own universes while connecting with their environment.



HIER EST DEMAIN

YESTERDAY IS TOMORROW

ENSAL | MARCH 2022

I imagined the restoration and the scripting of a housing building in Lyon into a street museum, articulated around a central staircase, which allows traveling through the eras without interruption. The windows are obstructed to create viewing rooms on each floor: through these screens, one can see what would have been observed through the window at another period. A screen against the staircase allows us to see what life would have been like inside the building. The top floor, made of glass, allows us to observe today's city.



Drawing of the initial building



Photo montage of the exterior of the modified building



3D Twinmotion 6 view of the exterior



3D Twinmotion 6 view of the interior

CULTURE STATION

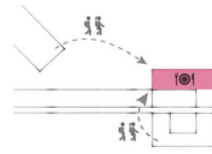
ENSAL | March 2022

This is 'Farmed', an educational project that I submitted to both cities Trévoux and Reyrieux. It includes an agricultural high school and a public canteen. It covers a train track that is still in operation thanks to an electric shuttle. This is also the opportunity to reinvent the local train station and create a new polarity in Trévoux. The establishment would allow students to study close to a rural environment in the middle of fields and close to a school zone.

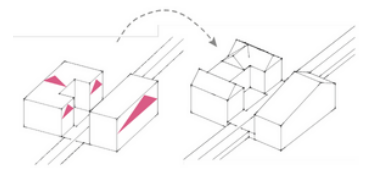
The 'Housed' project is complementary to the "Farmed" project: it's a housing complex that mixes individual and collective housing, with easy access by road.

The standard construction system consists of a wooden frame filled with hemp concrete, of which I made a 1/1 scale model.

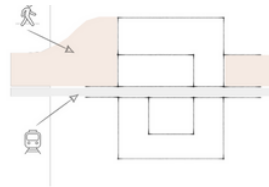
CREATION OF A POLARITY



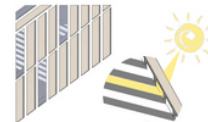
RESPECT OF THE LOCAL IDENTITY



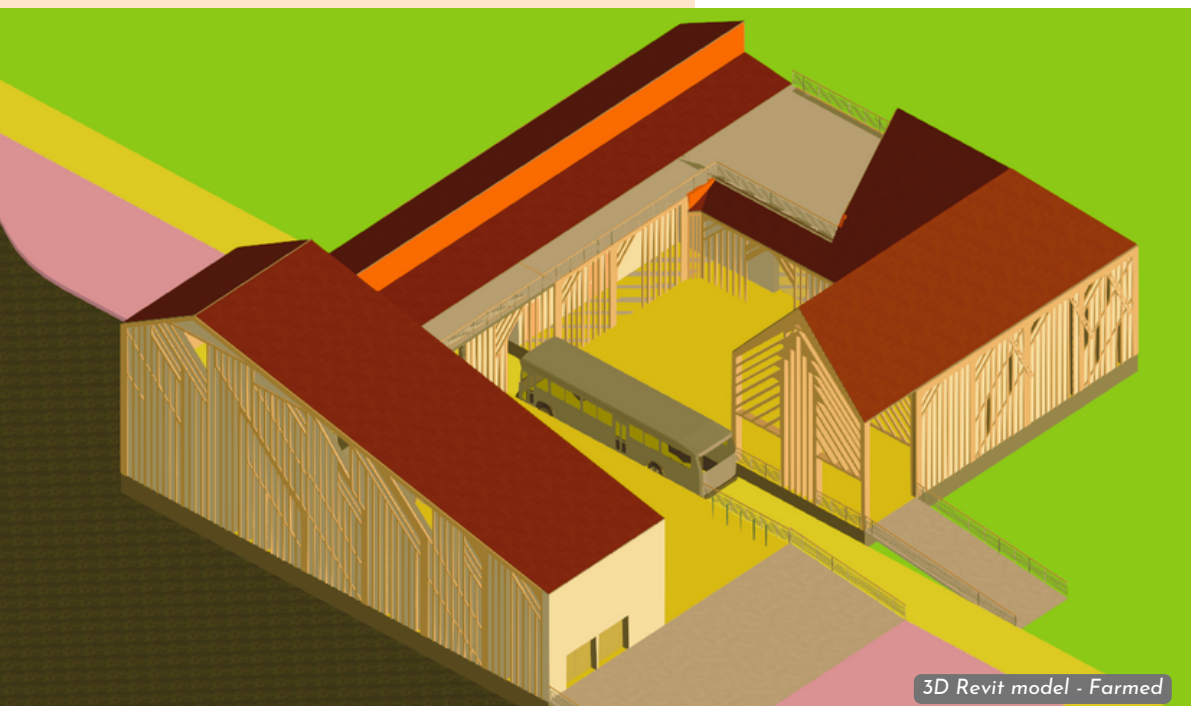
MIXED USES



PROVIDE POROSITY



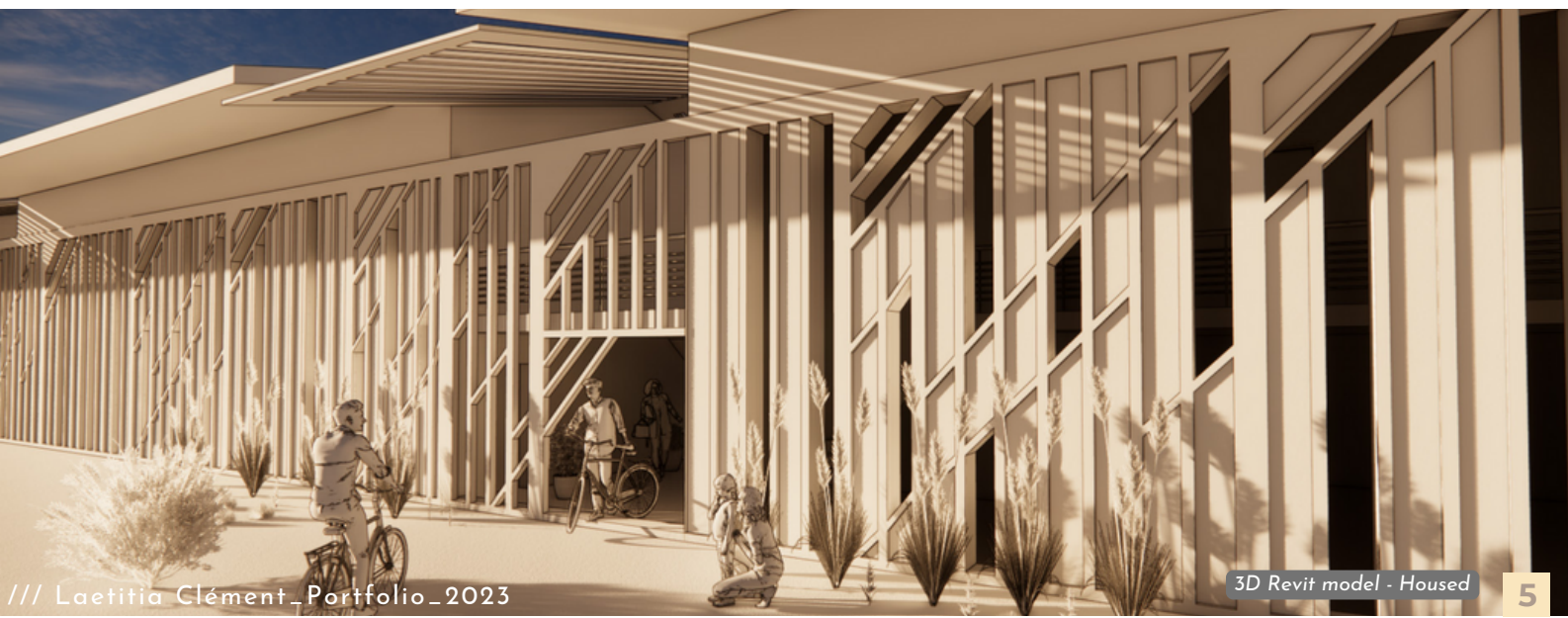
HARMONY WITH THE TERRITORY



3D Revit model - Farmed



1/1 scale model of the construction system



3D Revit model - Housed

PAST

TERRITORY PLANNING PROJECT

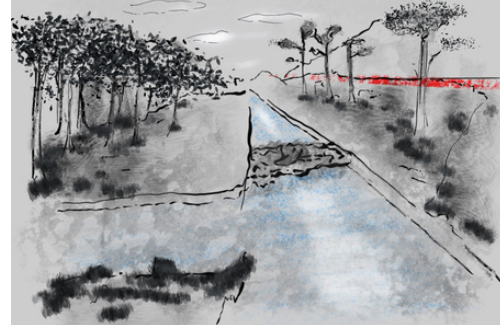
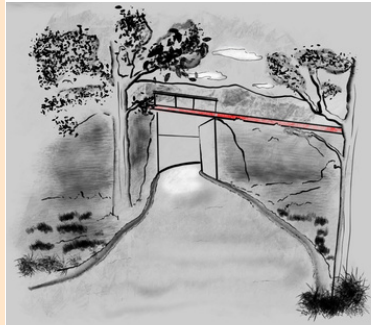
ENTPE | February 2022

After an on-site study, I proposed a greenway project for cycling and walking on the Courzieu - Sain Bel path. It would contain elements like:

- a belvedere as well as an observatory for birds;
- a health course starting from the old station of Bessenay, with a running track of 1.3 km on which 15 installations are distributed every 80m.

According to cadastre.gouv.fr, the available land on this 1.3km stretch is 23 m wide, which allows maintaining the necessary space for pedestrian/cycling pathways but also offers facilities such as:

- a bench and trash can every 100m;
- sports facilities every 80m;
- educational panels on the fauna and flora;
- picnic areas, associated with watering areas.



Some sketches of views



Beginning of the path: entrance with free parking at Bessenay and the old station of Bessenay. First picnic area with direct access to the Brévenne.



Antigua estación de Bessenay



End of the course, which is two-way and has a space on both sides for both warming up and stretching before exiting the course.

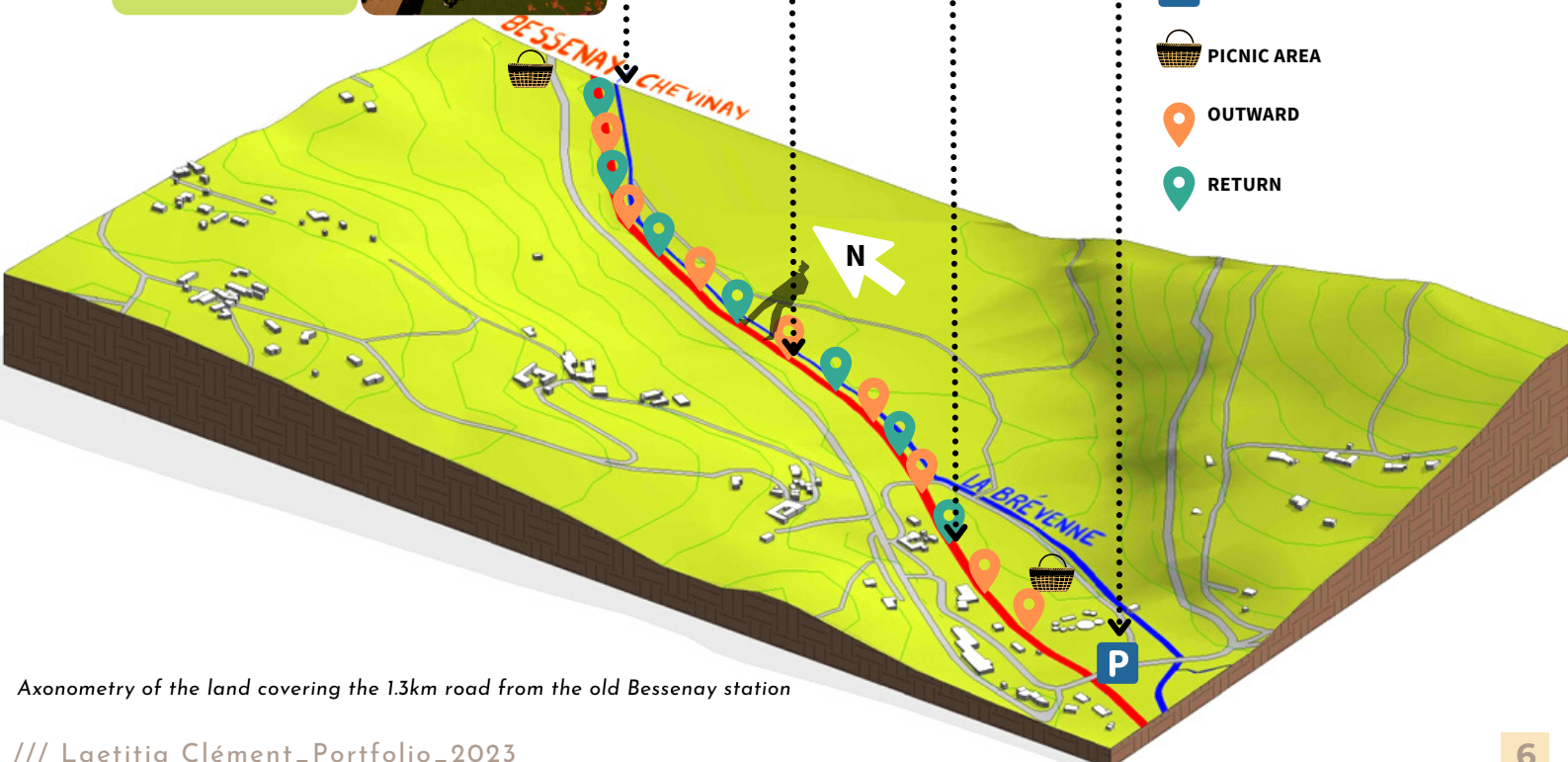


P FREE PARKING

PICNIC AREA

OUTWARD

RETURN

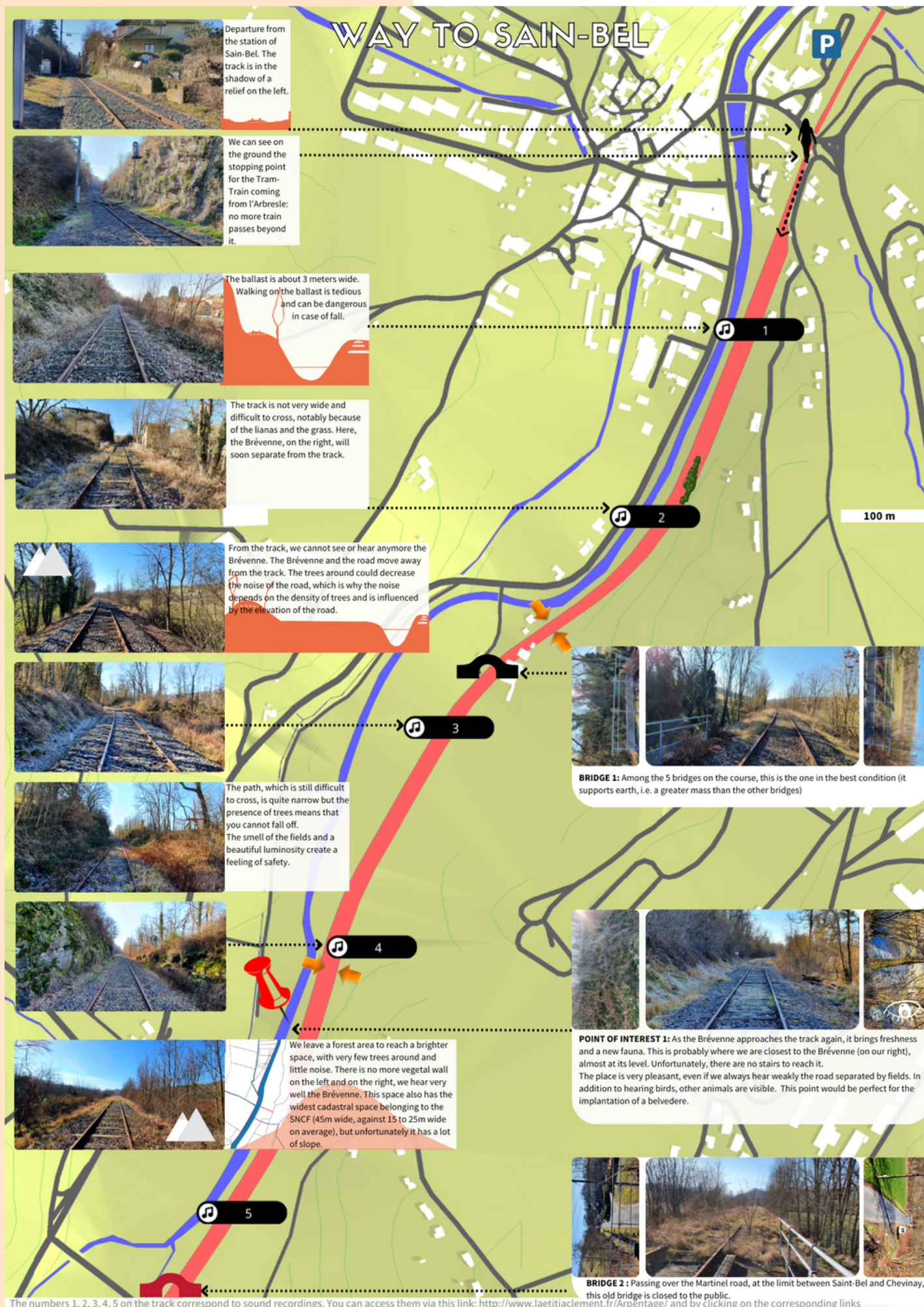


Axonometry of the land covering the 1.3km road from the old Bessenay station

PAST

ENTPE | February 2022

Example of a survey



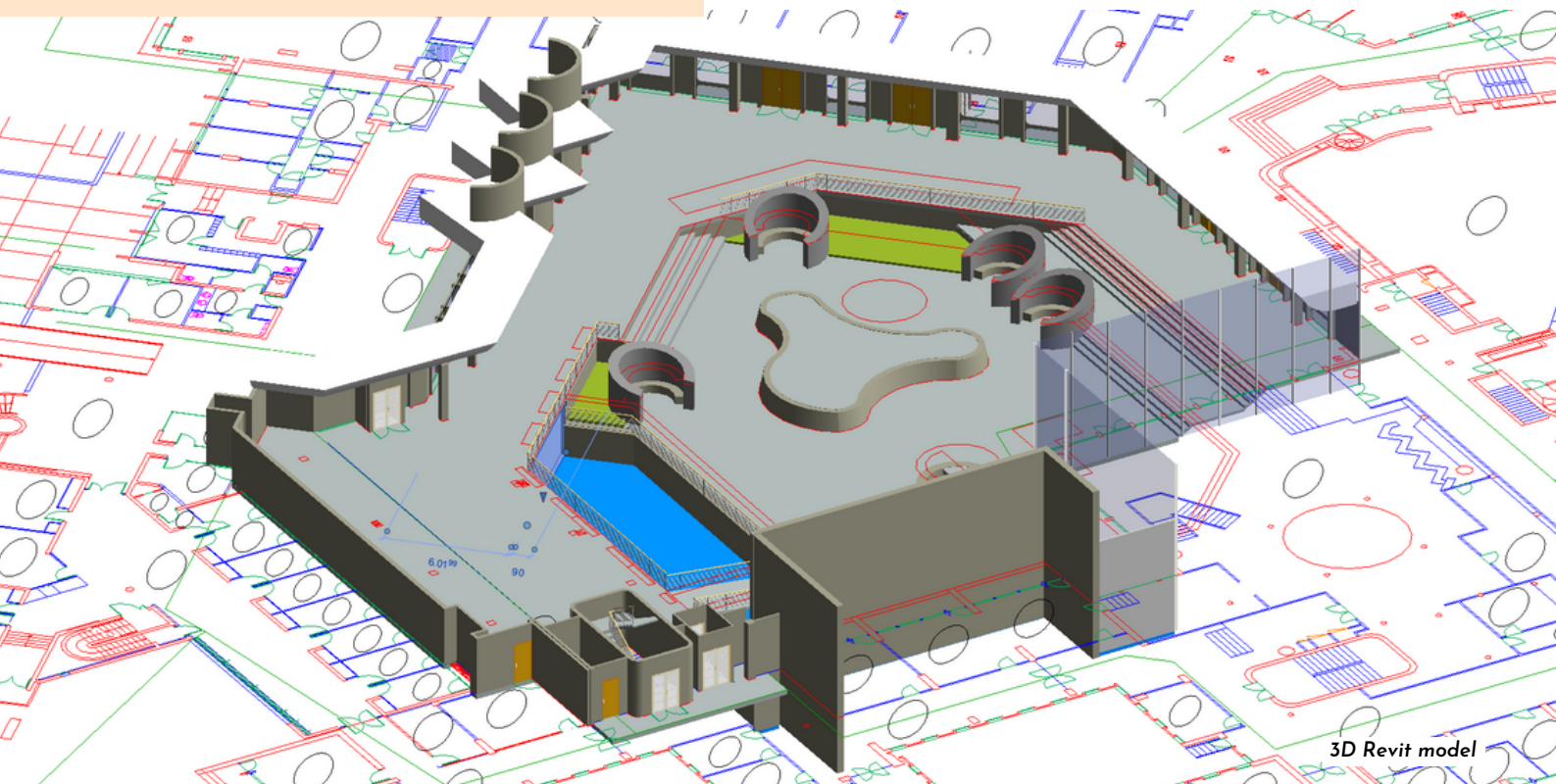
MODELING OF THE PATIO OF THE ENTPE

ENTPE | March 2022

I already worked on 3D BIM modeling as part of my dual degree of engineer-architect (with the ENSAL) and during my CAD (Computer Aided Design) classes at the ENTPE.

Those experiences allowed me to save time with this project and learn new tools faster. I used different software on this project with Autocad (to study 2D plans), Revit (for 3D modeling and layout), and Twinmotion (for more visual rendering).

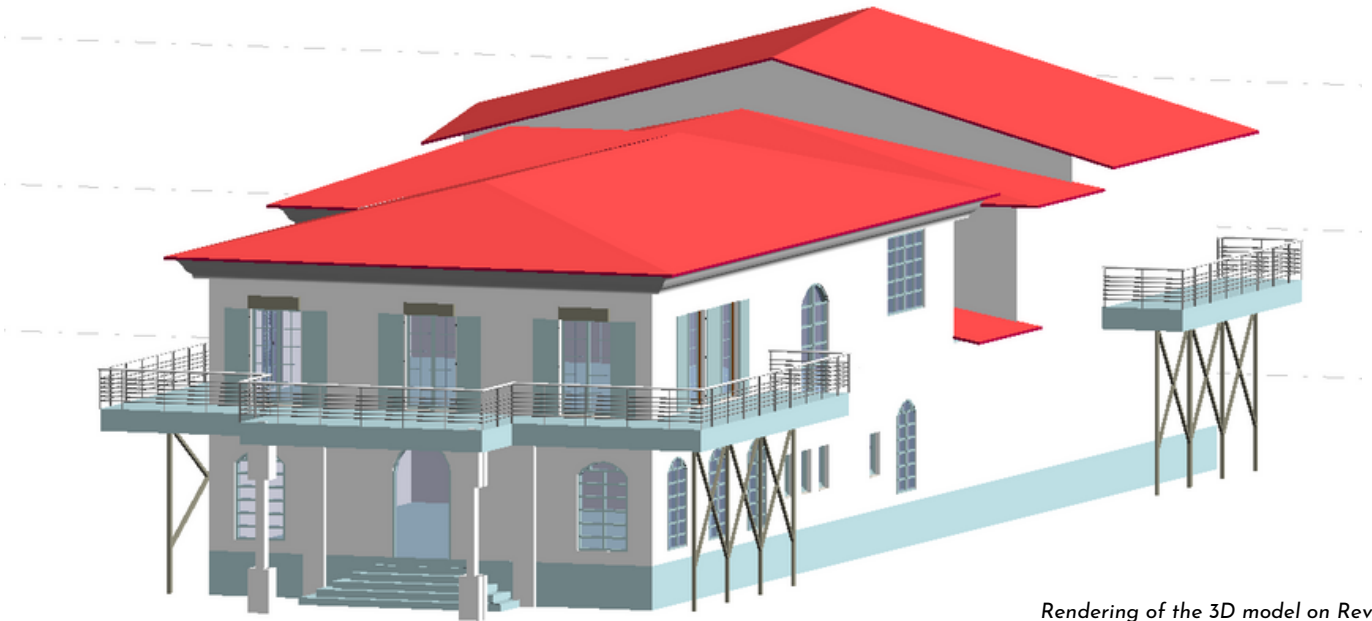
The particularity of this modeling of the ENTPE patio is that I had to create components in situ (for the roof, the leaning walls of the central platform, or the seats with rounded contours) and families (for the windows).



MODELING OF THE FRENCH EMBASSY IN PANAMA

French Embassy in Panama | March 2022

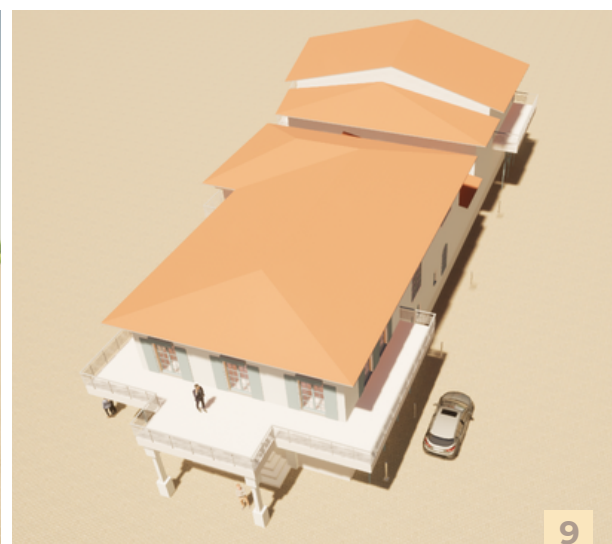
To better understand the building I was going to study during my 2022 Summer internship, I made a 3D model of the French Embassy in Panama. To do this, as a cadastral plan of the parcel is hard to find, I used Google Maps data. This way, I measured the size of the parcel and saw the overview of the Embassy in 2017 and 2021 to make a model. I then created in situ components for the roof and Revit families for the windows and their shutters.



Rendering of the 3D model on Revit



Rendering of the 3D model on Twinmotion

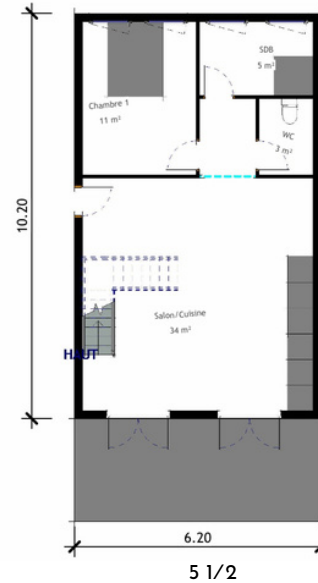
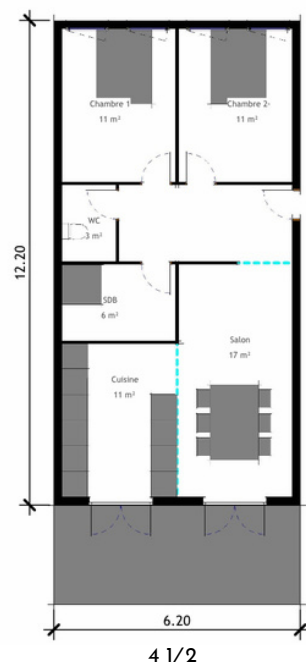
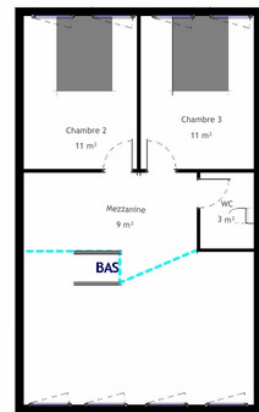
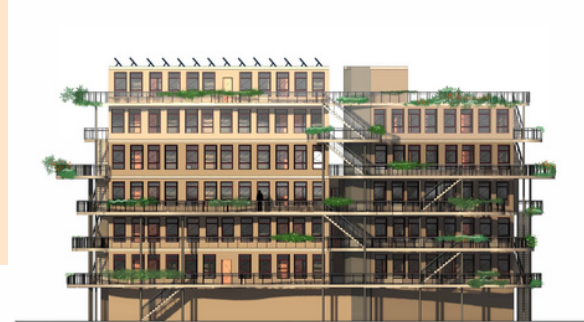


LE PARCOURS NOURRICIER

THE COURSE FEEDER

ENSAL | November 2022

In a vacant lot located at the crossroads between the old and patrimonial "Canut" buildings (in Lyon), and the large modern residential buildings, I imagined three blocks presenting residential buildings that promote cultural and generational diversity around a usual food issue. The central building has stepped terraces, walkways, and a green roof. The through apartments have East and West orientations and respect a construction grid to facilitate their fitting-out. The structure of the building is made of wood and hemp concrete.

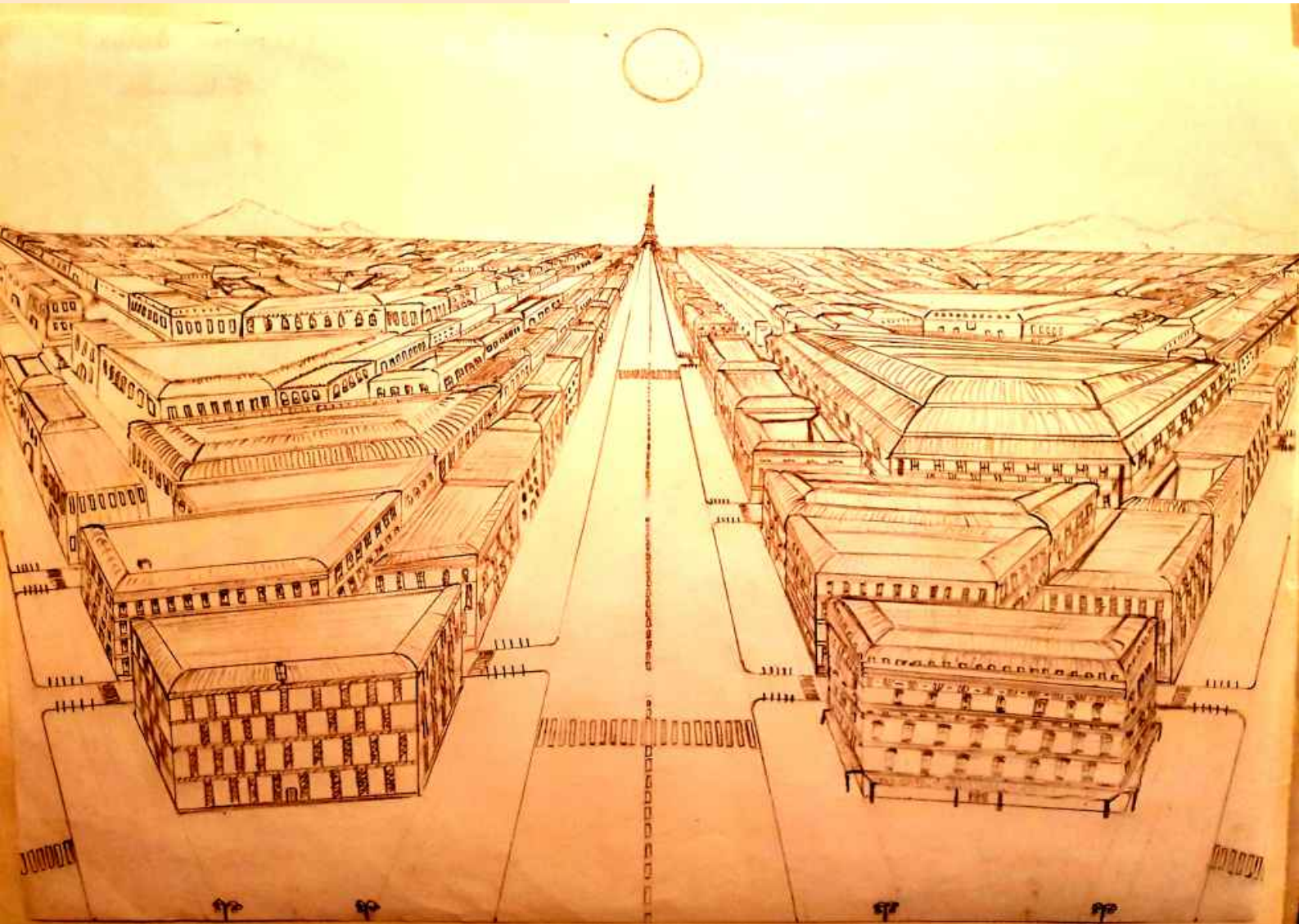




Drawing and graphic design	12
Theater and cinema	14
AWARDS AND DISTINCTIONS won in the competition "Infilmement petit" in 2016	
Volunteering - the Escape Game	15
AWARDS AND DISTINCTIONS this project won an award from the foundation "Vinci autoroute"	

/// Laetitia Clément_Portfolio_2023

DRAWING AND GRAPHIC DESIGN



Architecture is a field that I've been passionate about for many years, and I wanted to make my profession since I was very young: witness my internship at Nomade Architectes in Paris during my 2014 internship.

Drawing of Paris made in 2014 - personal project

DRAWING AND GRAPHIC DESIGN



Pierre BOUVIER · Olivier BORGÈT · Clément CHARPENTIER · Laetitia CLÉMENT · Elisa DIOT-QUÈRE
Diane ESPITALIER · Dorothya FARAGO · Éliette FLIZÉ · Alix GIL · Bilal GOUMAR · Julie HAYARD
Louise PLOUIN · Nicolas SCHÖNN · Angelika STANZANI · Michel VANWOLFFHEIM



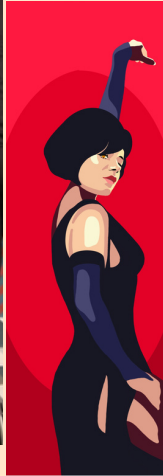
Amphithéâtre Prunier ENTPE
19 20 23 24 Mars 2022

Mise en scène : Raphaël YZOT · Costumes : Timothée D'INCA & Clémence SAULÉAU · Danse : Celina PRÉNEZ & Chloé VALLEAU · Décors : Clara ALLONCÉ & Adrien BATTALA · Com&log : Lise DÉGOY & Paul HUMET · Orchestre : Élie CAROT & Solène GÉTTI · Régie : Louis DÉLÉSENSUYDEN & Maureen LÉAO



THEATER AND CINEMA

- I was part of the organization team for the ENTPE musical 'Chicago', a four-month project, involving more than a hundred students ;
- I designed, and painted, in a four-month workshop to create 4 sets of 6 meters by 3 meters, one of 6 meters by 6 meters, and banners for the scenery ;
- I acted as one of the main roles (The Sherrif) in the ENTPE musical 'Robin Hood'.



Posters made for the ENTPE musical 'Chicago'



VOLUNTEERING - THE ESCAPE GAME

- I suggested a new way to teach ;
- To play, several skills are necessary (social, scientific, artistic), allowing the player to find his place and feel useful, to be an actor and not only a spectator ;
- The teacher discovers his or her students differently, and their actions are valued more highly ;
- Students are made aware of the environment ;
- The game can also be an opportunity to revise a subject (in particular mathematics by making calculations).

The intervention took place in the Aimé Césaire secondary school in Vaulx-en-Velin in France between October 2021 and March 2022.

A class of 24 students (including 3 Ulysses students) was made aware of environmental issues. This action also aimed to motivate them in their studies by presenting concrete examples of what science can do and by making them manipulate mathematical tools learned in class.



Photographs of the 09/11/21

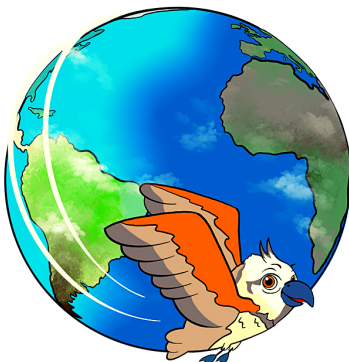


Photographs of the 29/03/22

ZOOM ON THE PROTOTYPE FOR THE COLLEGE AIME CESAIRE

'A PLANET ON THE BRINK'

OBJECTIVE: to raise students' awareness of environmental issues and educate them about sustainable development
Programs covered: mathematics, technology, geography
24 students in 5th grade
Divided into 4 teams for 1h30
To explore 4 different worlds through 4 countries



END OF THE GAME

After this world tour, the teams gather on a scale where the students can have an impact: the city of their school (Vaulx-en-Velin)
MOVING DEBATE

✉ Laetitia.CLEMENT@entpe.fr

LAETITIA
CLEMENT