me portfolioe selectede

## **VL 13/15 INFILL**

program: urban infill, residential

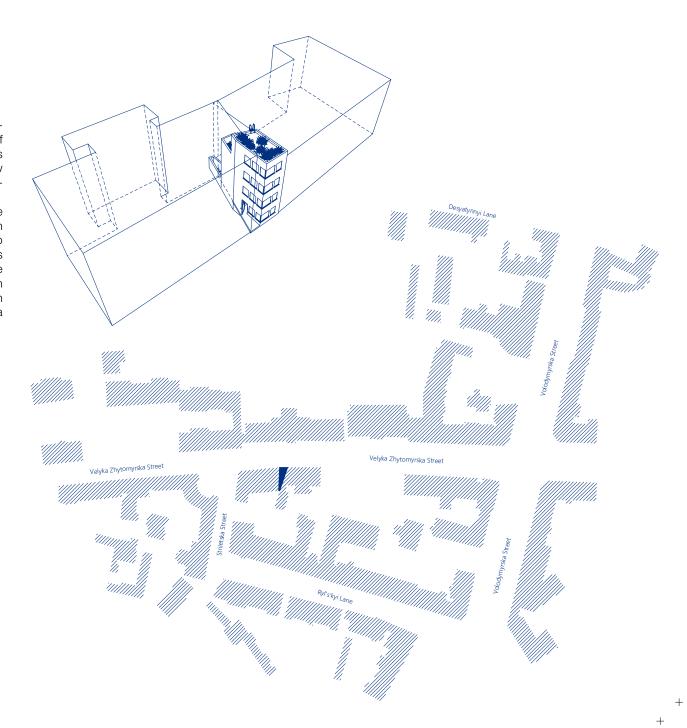
location: Velyka Zhytomyrska St, Kyiv, Ukraine

basics: studio project area: 172.4 sq.m. year: 2008, 2021

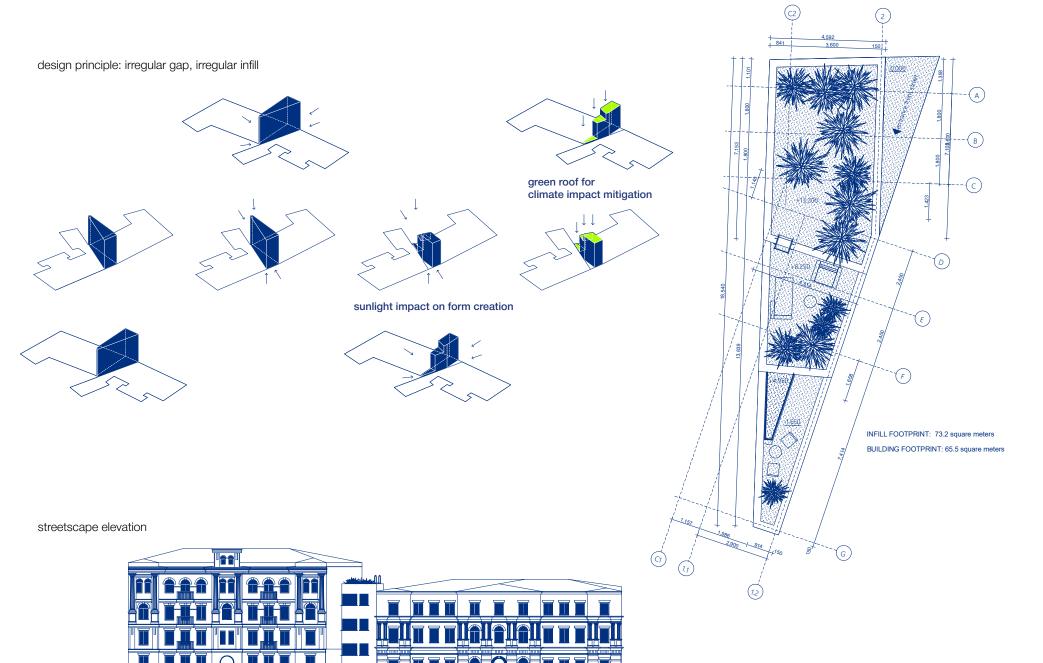
in team with: -

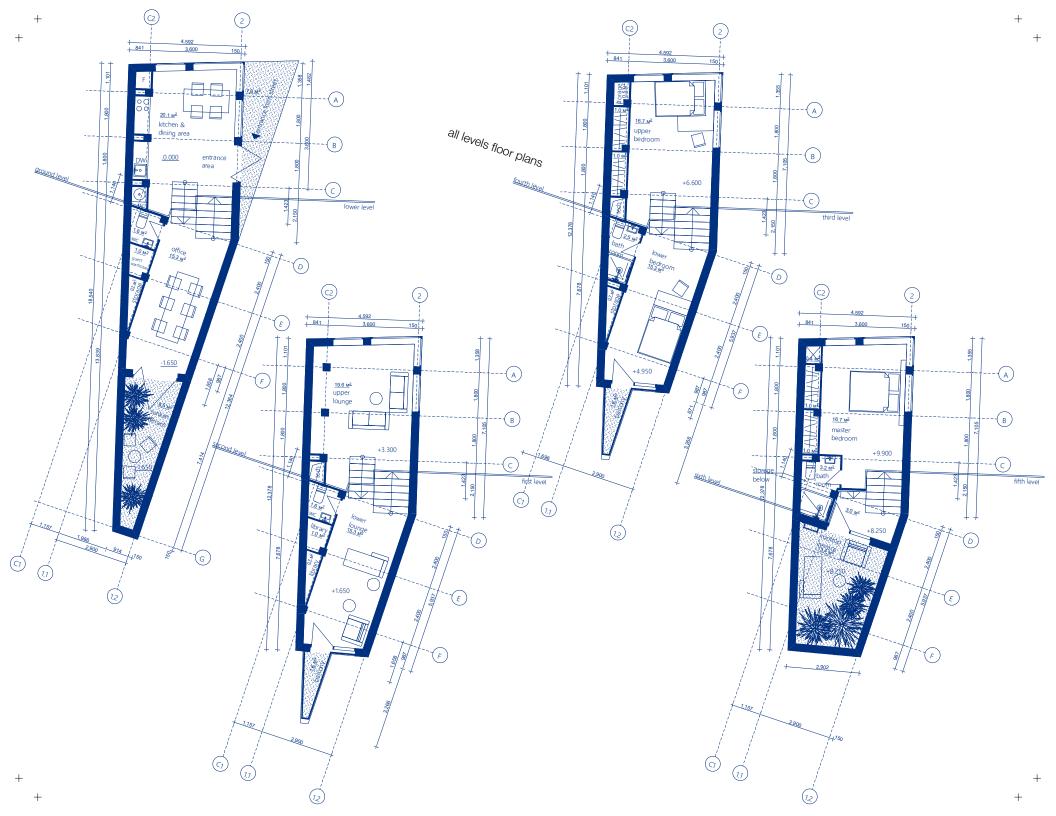
If you have ever thought about how to increase the city's density, but not just erase parts of the city and remake it, let's say, if you would not take a modernist approach. Infills and insertions into the lot fabric are a sensitive approach in providing new housing and employment and avoiding non-recyclable and unnecessary construction waste.

The house is designed to let the maximum amount of sunshine through the south and north facades. The notch on the north facade provides additional sunlight and comfortable access to the residential building. The space inside is split into eight levels (excluding roof gardens) instead of a staircase to preserve the most space on a narrow and small lot. The split-level approach gives a broad range of experiences and connections through the flow of spaces and allows one to make the most out of a small space.

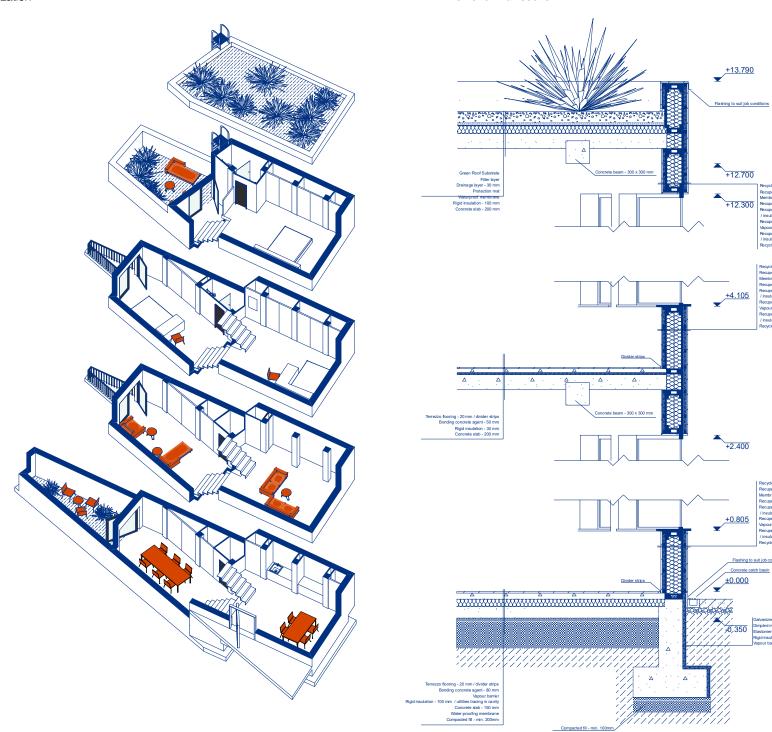


site plan





<sup>+</sup> interior space organization exterior wall section



+

+13.200

+12.900

Recuperated wood furring strips 30mm Membrane

Recycled concrete panels 20mm
Recuperated wood furring strips 30mm
Membrane
Recuperated wood sheathing 20mm

Membrane
Recaperated wood sheathing 20mm
Recaperated wood wall stud 200mm
Insulated recycled wood ganels in cavity 100mm
Recaperated wood sheathing 20mm
Appour barrier
Recaperated wood sheathing 20mm
Insulated recycled wood ganels sic savity 30mm
Insulated recycled wood ganels in cavity 30mm
Recycled concrete panels 20mm

Recuperated wood sheathing 20mm
Recuperated wood wall stud 200mm
/ Insulated recycled wood panels in cavity 100mm + 100mm
Recuperated wood sheathing 20mm
Vapour barrier
Recuperated wood flurring ships 30mm
/ Insulated recycled wood panels in cavity 30mm
Recycled concells panels 20mm

+3.300

+3.000

Recycled concrete panels 20mm
Recuperated wood furing sifups 30mm
Membrane
Recuperated wood shestfring 20mm
Recuperated wood wall stud 200mm
/ insulated recycled wood panels in cavity 100mm + 100mm
Recuperated wood shestfring 20mm

Vapour barrier
Recuperated wood striestring 20mm
/ insulated recycled wood panels in cavity 30mm
Recycled concrete panels 20mm

# HOSTYNNYI DVIR CENTRE FOR PERFORMING ARTS

program: urban, rehabilitation

location: Kyiv, Ukraine

basics: adaptive reuse, public place, landscaping

area: 7 ha

year: 2010, 2023

in team with:

Kontraktova ploshcha is a piaza in the historic Podil neighborhood of Kyiv, known since the Kyivan Rus' times as an important part of the Podil merchant neighborhood, and contains numerous architectural and historical monuments.

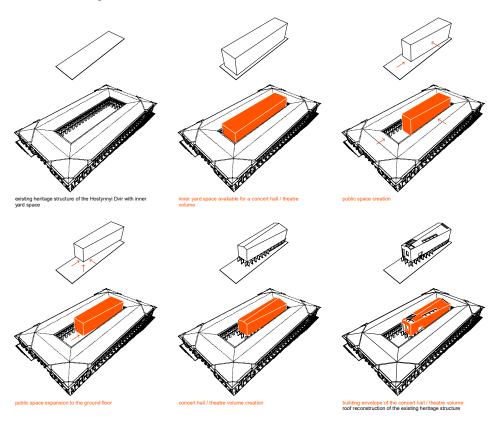
The construction of the Kontraktova House, a permanent trading center where contracts were signed, at the end of the 18th century gave the square its current name, i.e. Kontraktova is a morphological adjective from the noun "contract" in Ukrainian. The Kyiv-Mohyla Academy, one of Ukraine's leading universities dating back to 16th century, adjoins the square.

Today, it remains an important center of the Podil area, as well as a recreational, cultural and transportation hub of the city. Kontraktova ploshcha adjoins the Kyiv Metro Kontraktova Ploshcha Station (blue line), thus forming a multi-modal passenger knot with the tram, bus and minibus lines.

Hostynnyi Dvir is a trade complex (hosting court, merchant court) built in Kyiv at the time of the Russian Empire back in 1813. The building is the central piece of the Kontraktova plosh-cha's architectural ensemble, many buildings of which are also included in the Historical-Architectural Preserve "Ancient Kyiv". During the Soviet era, the building was heavily modified, losing its original facade. During the World War II Hostynnyi Dvir was abandoned and as per 1947 city's master plan it was planned for demolition that never happened. In 1970s the metro line was built to Podil and due to underground work the building got a subsidence. In 1979 Hostynnyi Dvir became part of an architectural heritage. The renovation had started in 1983 and was completed in 1990. Despite being newly built, Hostynnyi Dvir retained its status of an architectural heritage.

In 1994 the building was leased to Ukrrestavratsiia company, that promised to keep the building in a good state. However, in 2011, it was excluded from architectural heritage, following the approval of its reconstrcution into a shopping mall with offices and parking. The project caused protests. In the night of 8th February 2013 the roof of Hostynnyi Dvir has caught fire. Due to serious damage, all the tenants were resettled. It is believed that the fire was caused by the developer. The construction stopped in February 2014, when trials against Ukrrestavratsiia had started. The approval of the reconstruction was revoked and the ownership of the building was declared as illegal.

### form creation diagram

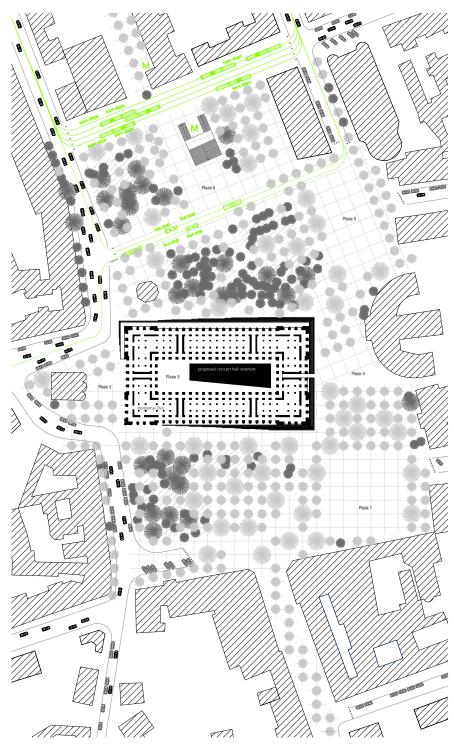


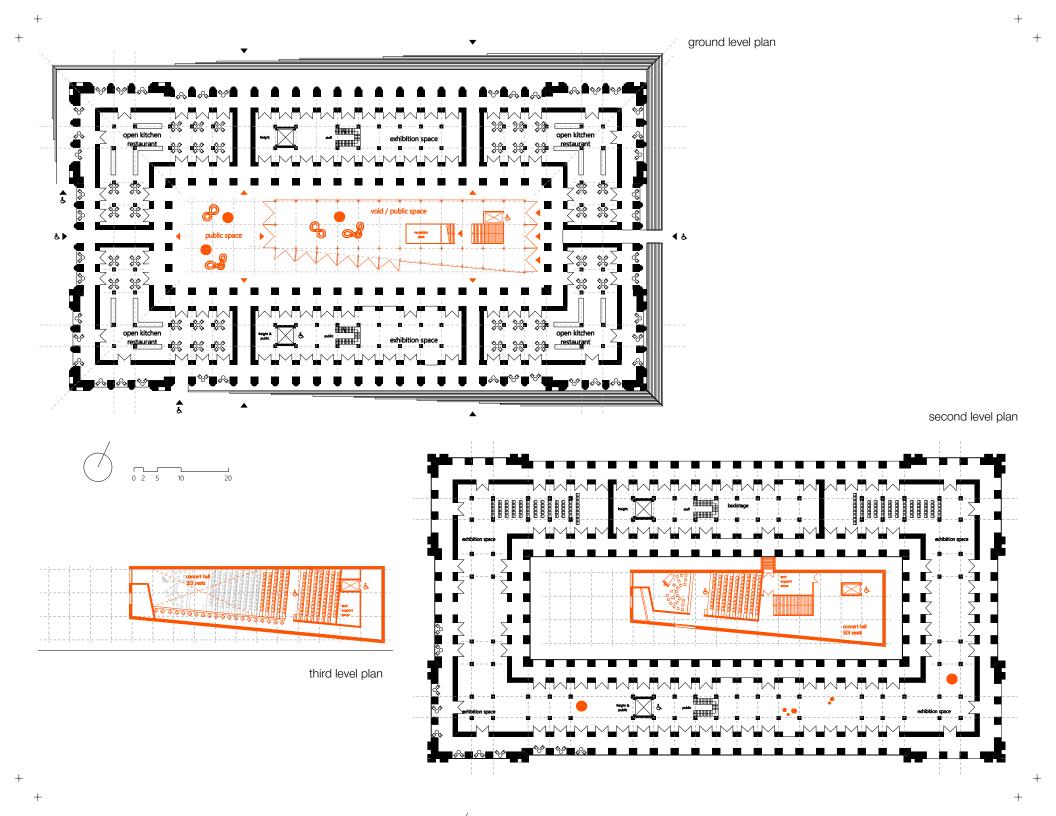
+ +

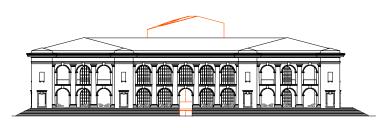
proposed redevelopment into a sustainable transportation hub and public space with scattered public plazas and improved landscaping

### current situation and traffic

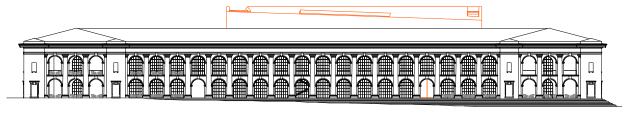




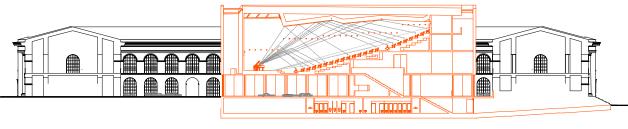




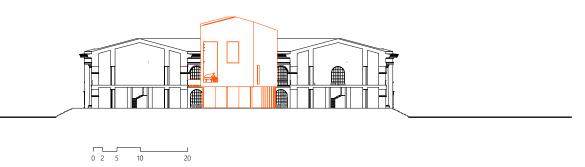
front elevation



side lelvation



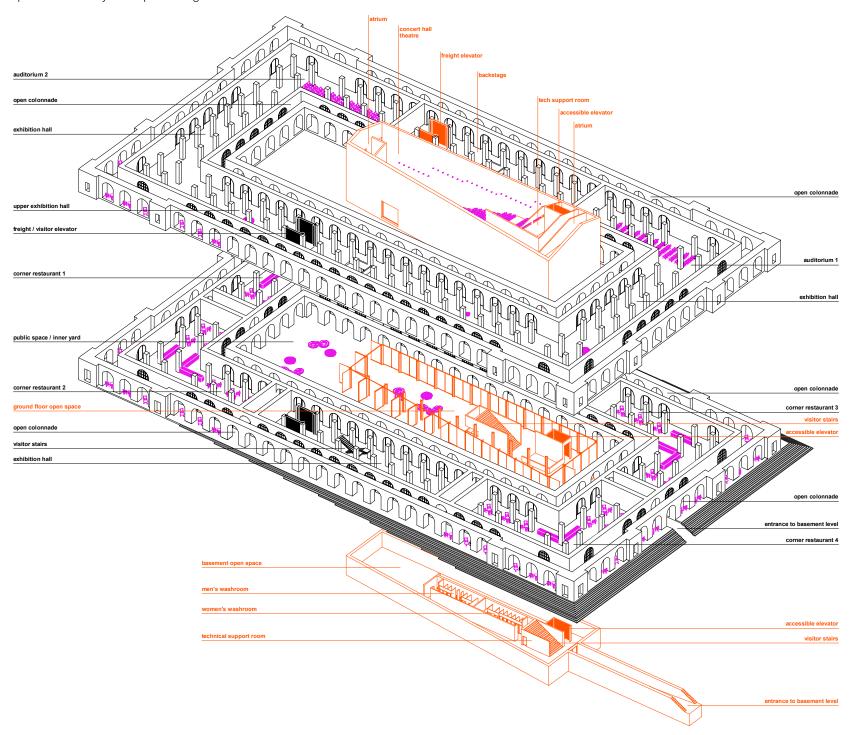
section across prolonged facade and insertion acoustics and visibility of a concert hall



section across public space / court yard

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space functionality of the performing arts centre



## THREE MAINSTREETS **REHABILITATION**

program: urban, rehabilitation

location: Kviv, Ukraine mobility, street design basics:

n/a area:

2006, 2023 vear:

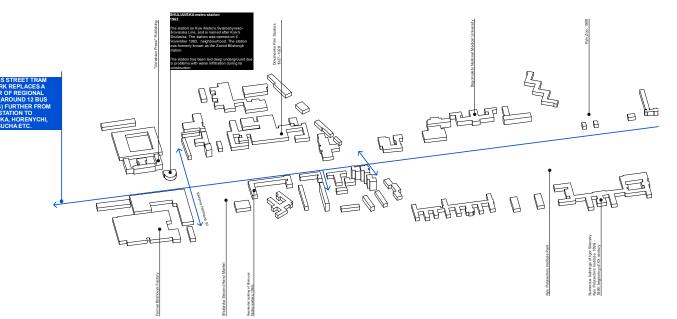
in team with:

Space is a social product.

/ Henri Lefebvre

The scope of the project is the renewal of three mainstreets in Kyiv: Lesi Ukrainky Boulevard, Tarasa Shevchenko Boulevard and Beresteyski Avenue, including Baseina Street and Bastionna Street for logical connection with vast recreational area - Botanical Garden. Three mainstreets are heavily loaded with traffic, being among the main commerce streets at the same time. The project aims to reduce through traffic but maintains the existing function of movement of people and goods through these arterials. Emphasis on alternative modes of transportation through street design - cycling, public transport, walking, car sharing and providing infrastructure for them will achieve gradual switch to efficient and sustainable mobility where majority of trips will not be done by private car as it is done presently.

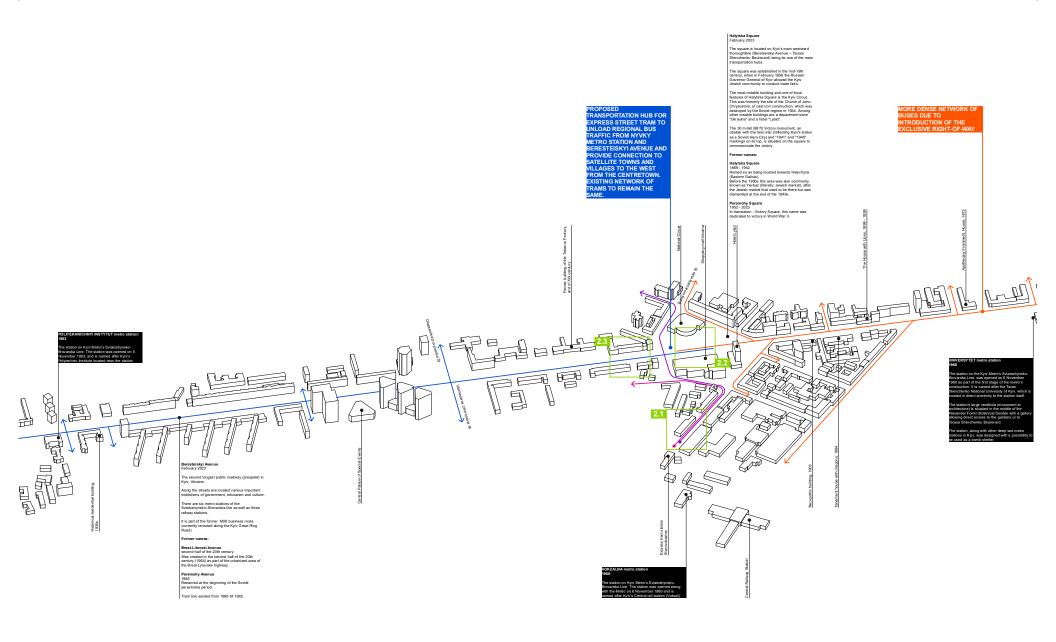


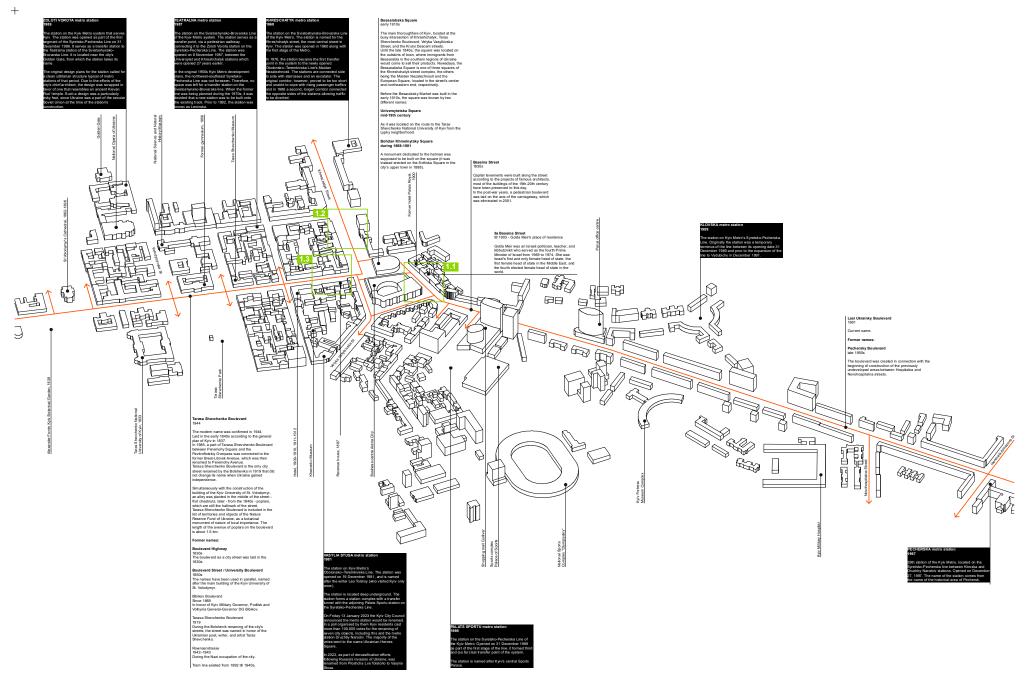


#### **CONTEXT & HISTORICAL BACKGROUND**

Halytska Square and Beresteiskyi Avenue are especially loaded with traffic that moves people and goods in the west direction. Providing unified public transportation network with exclusive right-of-way reaching main satellite settlements outside Kyiv boundaries will significantly improve situation. The improved capacity of the public transport that has dedicated right-of-way will reduce the amount of trips taken by private car and will improve public realm that will create boost for commerce in the area.

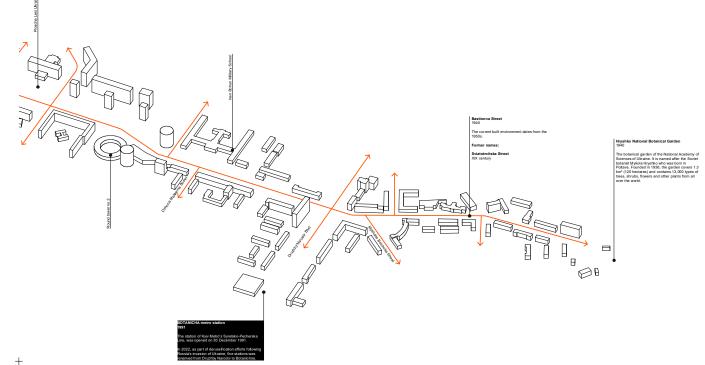
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two axis of reach-out for the express tram with exclusive right-of-way proposed expansion to satelite towns





1.1 1.2 2.2 2.3

# AS FAR AS THE EYE CAN SEE\*

program: urban, rehabilitation location: Mariupol, Ukraine

basics: public space, recycling of CDW

area: 21,400 sq.m.

year: 2020

in team with: Lilit Hakopyan

A pedestrian plaza in the heart of Mariupol.

It expands into the main city axis, Myra Avenue, and creates a link with Teatral'na Square & Mariupol City Administration.

It spreads even further – across streets to sea waterfronts.

It reconnects the city center with its main asset – waterbank.

It can be even said that it reconnects to the values as well.

Requiring to eliminate the noise and non-essential.

The design emphasizes the importance of the void.

It uses standardized materials for all surfaces – horizontal, vertical.

It recognizes the value of the built environment.

It recognizes the importance of living a meaningful life within one's community.

It becomes empty and public and space.

It spreads inside the building because the void is contagious.

But do we want it to be only empty and public and space?

The public square is inevitably associated with democracy. Though democracy is power of the majority...

'Public space is designed for the public. But does the word "public" represent everyone?' - koozarch

The void can belong to everyone as everyone can fulfill it with their own senses, thoughts, opinions, visions, ideas, values, Christmas markets, installations, events, concerts, play-grounds...

And it becomes an opportunity to tell a story about all of it.

We even make it political.

Because democracy is a value.

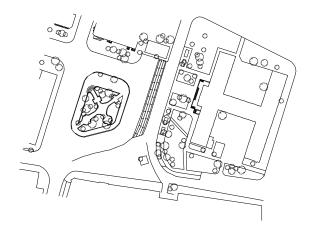
Because politics is inclusive.

And politics is about values.



<sup>\*</sup> Lawrence Weiner

- DESIGN PRINCIPLES:
- 1. ELIMINATION OF NON-ESSENTIAL
- 2. NEW LINKS & CONNECTIONS



Current situation

Vyzvolennya Square is a plaza situated in the heart of the city of Mariupol, flanked by the community center building municipal theatre and cafes, and creates a pedestrian axis with Teatral'na Square and Mariupol City Administration.

The design emphasizes the importance of a void, which opens a panorama towards the city skyline.

An urban stage and an interactive open space, the 12.250 sq. m square.

The "city's stage" is as a void and a place for everyone. Being an empty space it can be fulfilled with everything that city and its dwellers need - new visions, new ideas, new opinions, values, festivals, markets, installations, events, concerts, children's games. And this place is an opportunity to tell the story about all of this.

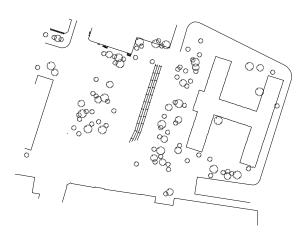
Everything that remains is an empty public square.

But do we want it to be only public?

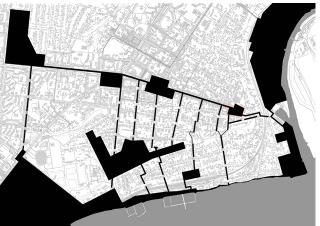
Public square is inevitably associated with democracy. Though democracy is power of majority. Whereas...

Void can belong to everyone as everyone can fulfill it with their own senses, thoughts, opinions, values.

Place for everyone opens a possibility of equality, an essential right.



Creation of void and production of space



### NEW CITY VIEWPOINTS & PUBLIC SPACE EXPANSION

"We still build all kinds of buildings on the ground, but the relationship of humankind and the ground has become rarified, and it has become more difficult in our daily life to feel the presence of the Earth. One reason could be the arrival of the aforesaid sky-scrapers, but even in small houses we can lose this former sense of clinging to the ground. I think a more fundamental reason is that we have treated the ground line and the skyline as external aspects of construction, since buildings divide one horizontal line into two lines: the ground and the sky. Without realizing it, we have seen those two lines just as separate building tools, and we have forgotten that they were originally one single horizontal line in the earth." \*7

New city viewpoints at the square are represented by lens street periscopes by the example of Craig Barrowman project for Peacock Visual Arts for their programme Defining Place: Architecture in Scotland 2004-2006. They are fixed on movable platforms and operated along old tram rail ways.

New city viewpoints are an interactive playground for children and families. They allow to observe a city in a different way and open view to the sea. For the square where once harbour and docking ships were seen in the past such installation is an opportunity to reconstruct its original viewpoints.

Lens periscopes are a subject for school reuse/recycle/readapt workshops where kids can work on the project of assembling lens periscopes from materials that otherwise could have been damped on the landfill.

## CITY MASTERPLAN AMBITIONS. PEDESTRIAN AXIS & ITS EXPANSION TO WATERFRONT.

Heavy industry co-exists with seaside recreation and tourism. Green belt protects the city from the majority of industrial facilities on the east bank.

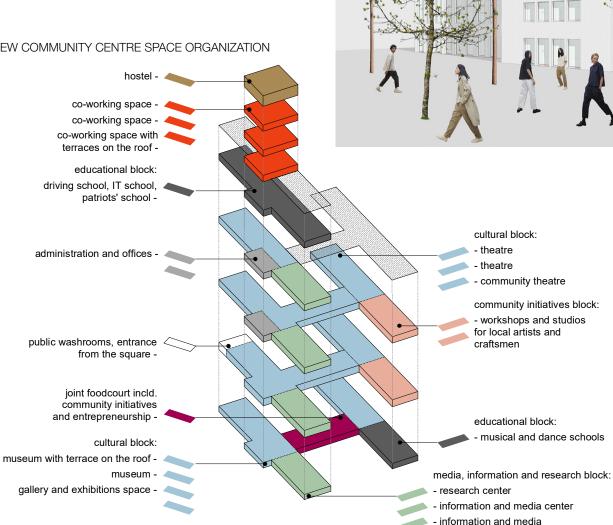
Green waterfront belt includes part of the industry which gives impulse for its sustainable development and sea harbour becomes vastly accessible for public, commerce and recreation.

center / cafe Mariupol \*1

UNIFICATION OF MATERIALS USED, BOTH FOR VERTICAL AND HORIZONTAL SURFACES. TO ENHANCE THE SENSA-TION OF THE VOID ACQUIRED

Application of sustainable constrcution waste management can help the unification of materials for the proposed development. It also creates a sense of resemblance, belonging and familiarity of surfaces for city dwellers. The materials that were already there will be reused and recycled. Some textures will be maintained and the link and connection to a place will be enhanced.

### NEW COMMUNITY CENTRE SPACE ORGANIZATION



### SUSTAINABLE CONSTRUCTION WASTE MANAGEMENT

Local recycling and production from "trash" materials gives an opportunity to purchase affordable products with a warrantv. and create jobs.

All can be low tech, affordable, strong and locally repairable. The whole construction and recycling process on-site and supporting temporary site laboratory can impulse creation of iobs in science field.

All the reclaimed construction and demolition material that is not possible to reuse in production of new construction materials for the site should be utilised as a secondary raw material on site or in other fields of construction.

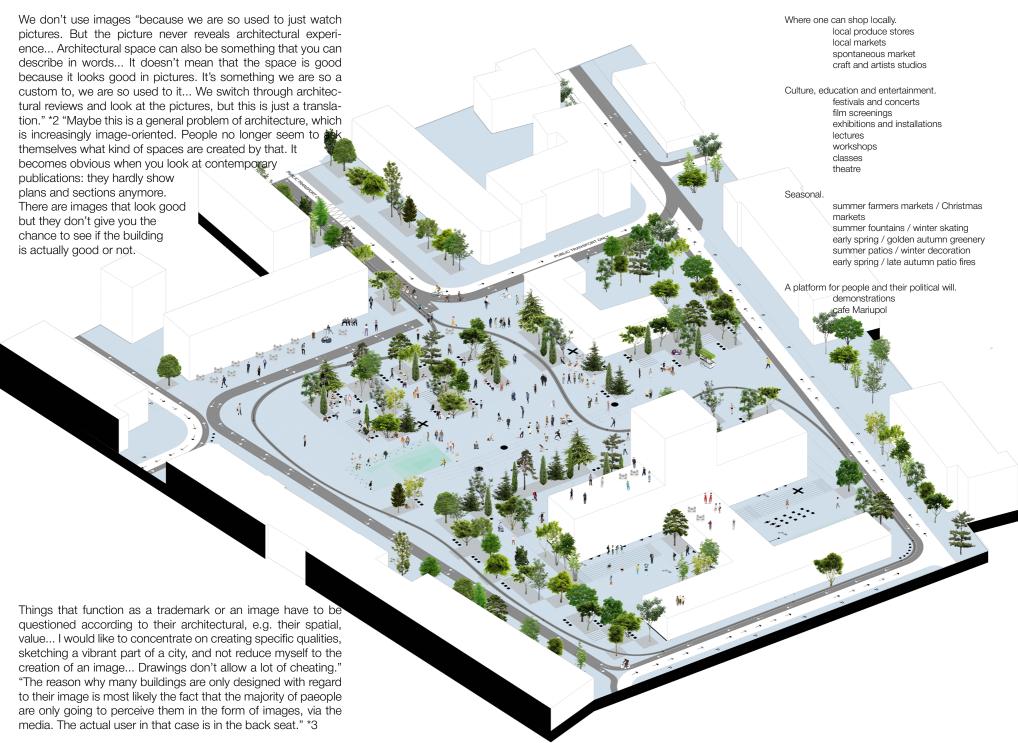
Long-term positive impacts from reusing/recycling/ readapting of CDW:

- sustainable development
- minimized impact on the environment
- optimizing the use of natural resources
- increasing restrictions on the dumping of reusable material, possibly leading to a ban on their disposal into landfills
- potential economic incentives to encourage the recycling and
- conserves natural resources as raw materials and water
- reduces CO2 emissions in certain cases
- saves landfill space
- creates employment

<del>l</del>

PIAZA: ADAPTIVE ZONING SCENARIOS

### PUBLIC SPACE IN ACTION



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# PIETER BRUEGEL THE ELDER THE URBANIST

program: urban

location: -

basics: graphic design

area:

year: 2017 - 2018

in team with: -

Pieter Bruegel the Elder was the unique figure and artist of his time. He predominantly used village life settings for his paintings and placed his characters in small groups engaged in their own distinctive activity. His unsentimental but vivid depiction of the rituals of village life (agriculture, hunts, meals, festivals, dances, games) are unique windows on a folk culture, still characteristic of life and culture today, and aprime source of iconographic evidence about both physical and social aspects of 16th-century life. The project explores alternative approaches to architectural visualization, suggesting avoiding mass produced imagery architecture sold in and consumed through architectural media and publishing.

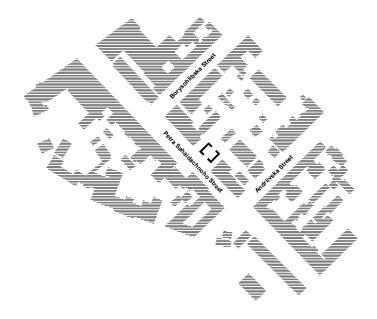






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## **SPACES IN BETWEEN**

program: public space, place making

location: no fixed location / multiple locations basics: concrete rubble recycling, installation

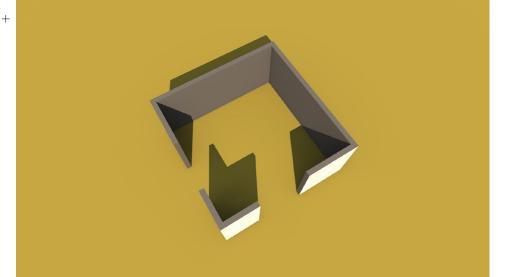
area: no fixed size year: 2018; 2020

in team with: -

Spaces In Between is a conceptual architectural project of public space and installation that operates as a social and cultural catalyst. Neutral like a "dark matter" space that doesn't interact with surroundings but has a strong influence on it. The installation has no fixed size, just proportions, and can be easily placed in any area. The installation can be built from recycling concrete adapting and demonstrating sustainability practices to the public.

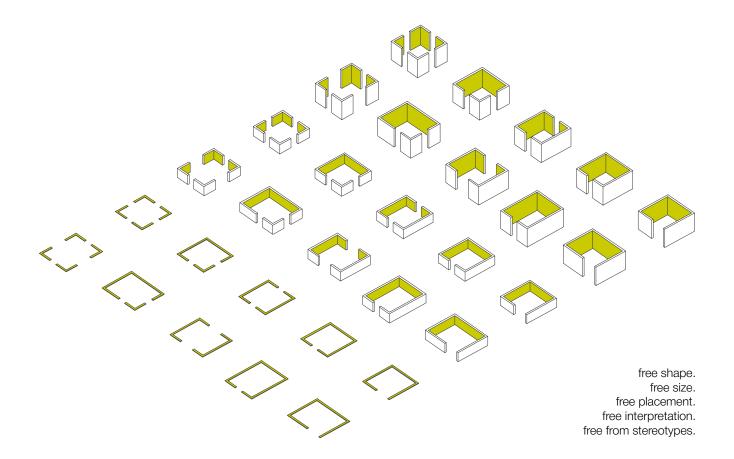
Public space is a void that manifests city ownership by its citizens. It is what adds value to the urban lifestyle. Unfortunately, in rapidly growing cities, voids can be lost. And the right for the city ownership as well.

Where the void can still be preserved... Above, wasteland at Petra Sahaidachnoho Street, Kyiv, Ukraine Only one from various possible locations.



In order to preserve the void, it can acquire a defined shape to manifest its existence.

spaces in [ ] brackets [ meeting point ] [ informal social dialogue ] [ cultural catalyst ] [ sub cultural retrieve ]



### THE PORT OF

program: public architecture, cultural

Mariupol, Ukraine location:

ruin rehabilitation, research basics:

5 000 sq.m. area: 2020 vear:

in team with: Lilit Hakopyan

We researched "What is Mariupol?" and the research pointed out to a lot of stigmas. In general, symbolism - may be an understandable and quite common story for the city. Each city will have some politicized symbols. Mariupol will remain a sea city, obviously. Will it remain a port city? Very unlikely. Will it remain an industrial engineering city? Definitely not.

It's not so bad for a city to have its own stereotypes / images / symbols. However, it becomes clear that for Mariupol its symbolism remained only stereotypes and is not relevant today, respectively, it does not help the Mariupol dwellers to identify themselves and, moreover, it gives wrong information to the visitors about the city and its dwellers.

We do not use specific local images in aesthetics and form, not to stigmatize the lands of Mariupol and not to determine their identity for the inhabitants, but rather: to be a platform of opportunities for representation and finding a foothold in the process of historical/collective memory formation.

Layers of stereotypical thinking and images that do not necesssarily represent the true identity.

public space

Following the idea of the whole cultural center becoming a public space the emotional envelope of the existing building can work as a buffer zone between new building and the city, engaging and attracting city dwellers inside and to participate. To emphasize this connection a semi outdoor public space can be created.

"We become aware of the void as we fill it."

Antonio Porchia

«русский мир» / russian world nothing to do, not fun, not touristic

sea port city russian-speaking

without cultural background

the country's outpost in a military conflict

industrial centre a city of permanent danger

a city where active fighting is taking place

sepia-colored city

all people work in factories or mining industrial city with the worst environment Public dialogue can be an effective tool for taking an action in self-identification process. The new building of the cultural center can become a platform for this public dialogue functioning as a public space for the city.

An existing building has overcome multiple transformations. The next phase of its existence is non-existence as a building. The fragments of the facade are just an emotional envelope. The historical context of this emotional envelope can provoke a more quality social engagement becoming a platform for hearing and expression, exchange of ideas.

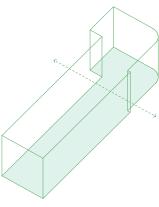
"...public spaces should be a valued asset where cities embrace the concept of creating more vibrant and welcoming spaces for everyone to use. This can also be a powerful way to create more positive environments for people to assimilate and come together as a society..."

The Importance of Public Spaces by Thejas Jagannath

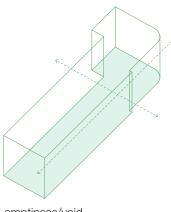
The state of the s

"A good city is like a good party — people stay longer than really necessary, because they are enjoying themselves"

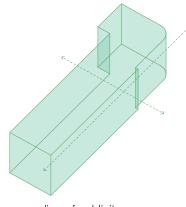
Jan Gehl







emptiness/void space in between



spreading of publicity

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space organization

Space organization all levels above the ground level is fluid and can be interchanged with time depending on the evolving needs of the cultural centre. The exhibition can be easily transformed. The centre can be expanded to the neighbouring building and existing greenhouse corridor will provided a link.

Attic Level

Rooftop Cafe with Temporary Exhibition Space allows organization of closed events for cultural centre, openings, launches. It also logically closes the loop of exhibition for visitors and provides the view point on the city.

— 4th Level

Offices for staff running the cultural centre, NGOs and basic administration functions.

Temorary Exhibition Space is a two storey atrium that can accommodate larger art pieces. It can also be a venue for performance, conference, festival, music concert, installation etc.

-3rd Level

Permanent Exhibition Space creates a visual loop for the exhibition visitors. It can remain as fluid common exhibition space or be divided in separate smaller exhibition spaces.

Amenities, such as washrooms, are located on every floor.

Spatial links are accommodated by main stairs running \_\_\_\_\_ betweein old envelope and new insertion, and by elevetor intended for all visitors and staff, inlcuding freight functions for exhibitions and users who require improved accessibility measures.

Dwelling units can accommodate residency program scolars who come for research or project.

2nd Level -

Media Library (can operate as a workspace and accommodate small workshops)

Event Space (can operate on its own or serve the Media Library for meetings with authors, readings etc...)

Greenhouse connection

Ground Level

Inclusive public space, both indoors and outdoors. Corner area can be used for events in summer or kids workshops on weekends. It can effectively host a public discussion. Commerce includes cafe and gift shop.

Information desk and reception.

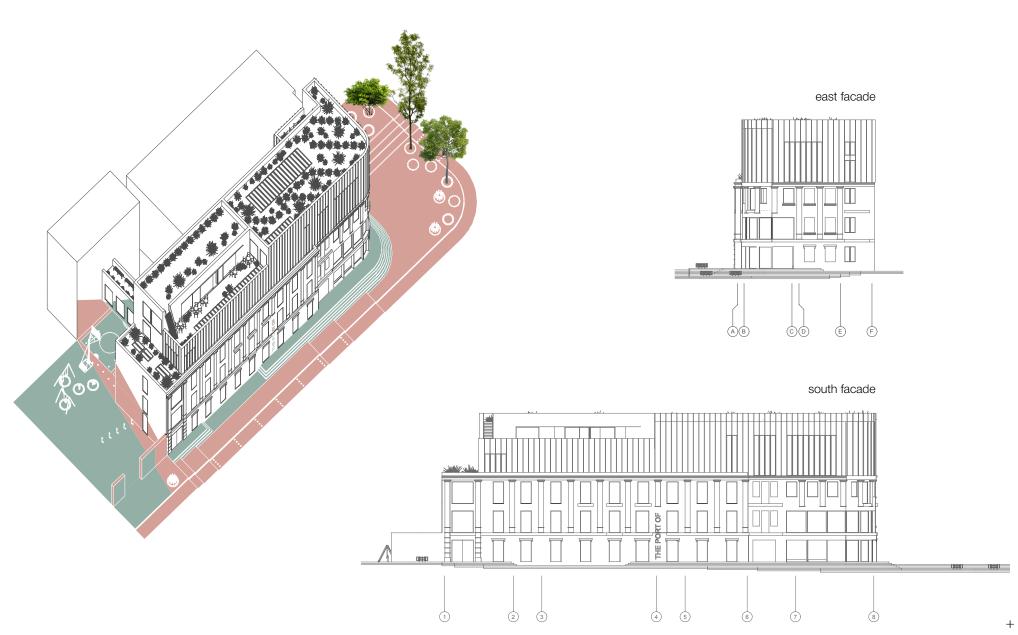
Basement

Exhibition storage for preservation of collectible items. Archives and its fluid space organization provides possibility to preserve the printed information and accommodate residency programs and their scolars.

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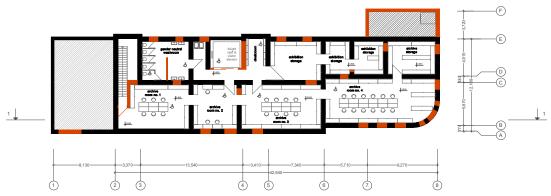
site plan / site view

All outside the building envelope is public and given to public to decide (workshops, tactical urbanism, participatory urbanism). The proposed design is just an example what can be done with a bucket of paint, imagination and participation of active citizens.

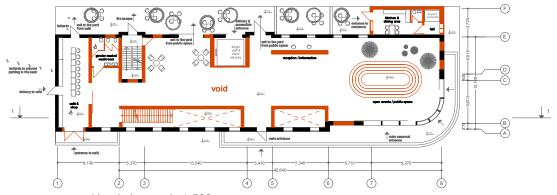


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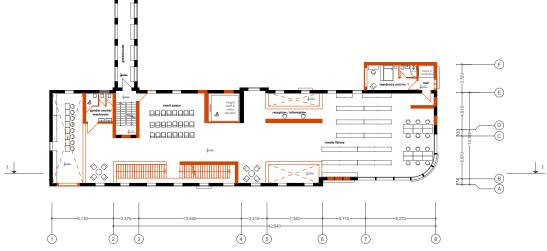
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basement level plan, scale 1:500



ground level plan, scale 1:500



2nd level plan, scale 1:500

The strategy of insertion maintains variable space between new building and emotional envelope. By circulating through the building the visitor can observe the renewed relationship between new and old, the idea of the passage of time.

"...not in any concepts of restoration but in an idea to do with historical clarity, making history visible by the co-existence of overlaying fragments of construction"

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attic level plan, scale 1:500

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interior views

1

From the void of the public space through narrow stairs contained in the atrium inbetween new and old building envelope that lead the visitor to the viewpoint on the top level of the building where one can enjoy the city landscape adjoining natural landscape from one point - the sea - and industrial from another. The building of the centre becomes a transition space for the city and its dwellers.





Zero influences on social dialogue and public space - emptiness is a core principle. Social significance of the building as a platform for discourse. The only condition to become a platform for discourse is its belonging to the public.

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• designed in Adobe InDesign to view more: who else is sick of website portfolios?