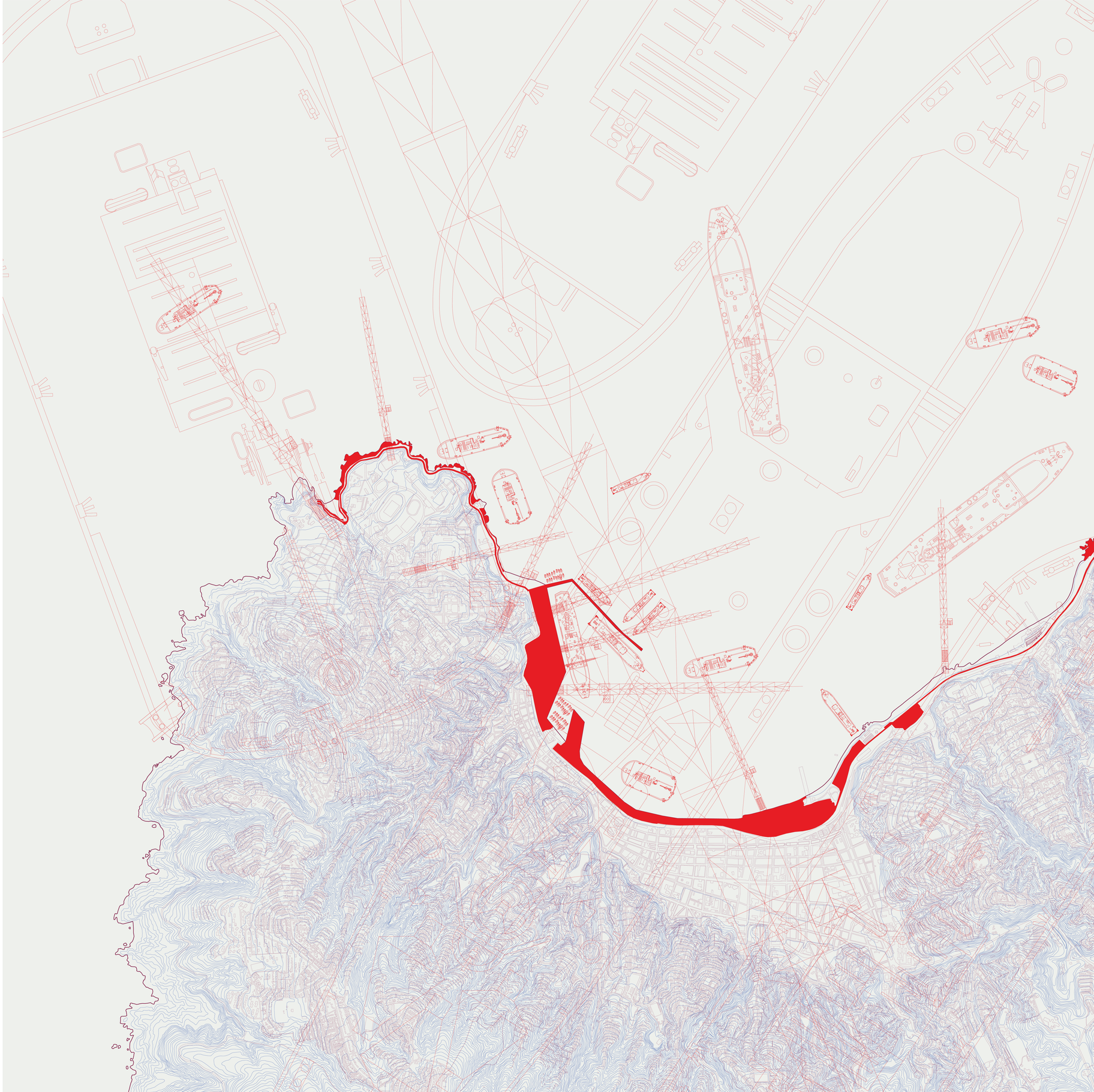
Digital cut-out map

the port''s impact on accessibility





Cerros

The Plan

BSB Valpo

Muelle Barón

Océano Pacífico

Landscape Plan

1:1250



Ground Floor Plan

1:750



Multipurpose Building

1 Info point
2 Crane loading point
3 Café/ collective cooking
4 Collective seating/meeting interventions
5 Flexible seating/stage
6 Fireplace circle
7 Multipurpose side isles
8 Loggia (with storage)
9 Toilets
10 Storage/Services
11 Cloakroom

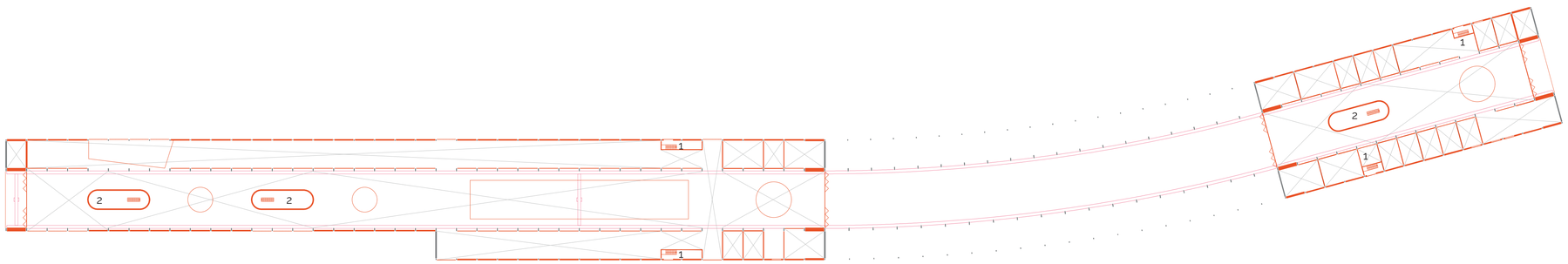
Study Building

1 Study rooms
2 Café
3 Managing offices
4 Loggia (with storage)
5 Info point
6 Crane loading point
7 Collective seating/meeting interventions
8 Cloakroom
9 Toilets
10 Furniture store
11 Bookshop/ collective library

Mezzanine Plan

1:750

1 Loggia
2 Raised meeting platforms



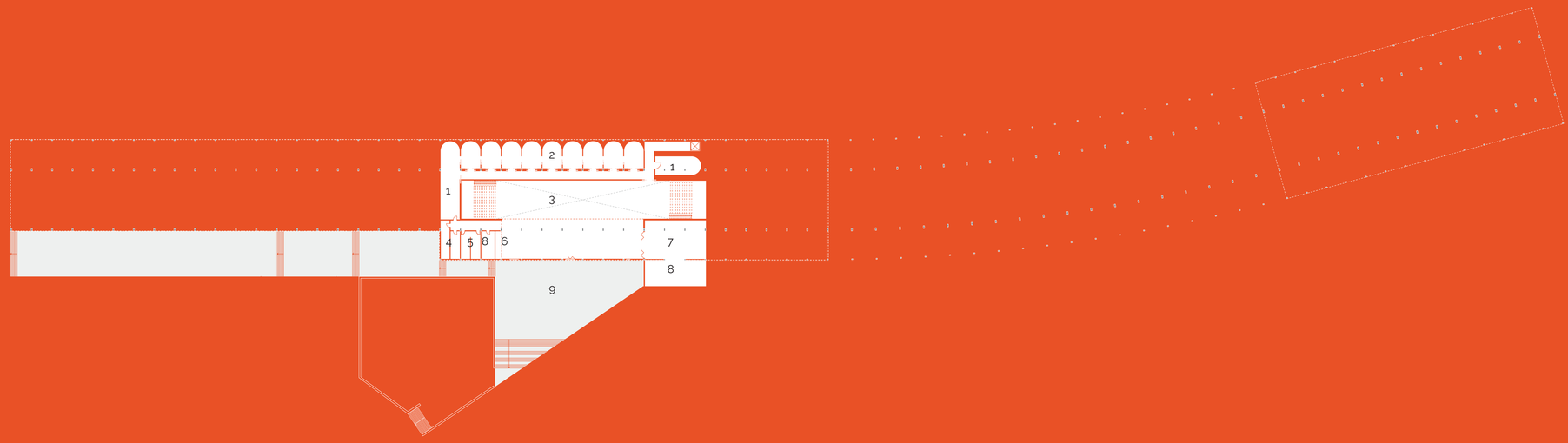
- Intervention
- Existing elements
- Flexible wall system
- Overhead crane

Lower Ground Plan

1:750

Multipurpose Building

1 Large rehearsal space
2 Rehearsal/exhibition chambers
3 Flexible seating/ stage
4 Dressing
5 Toilets
6 Bar
7 Scene shop
8 Storage/ services
9 Performance courtyard

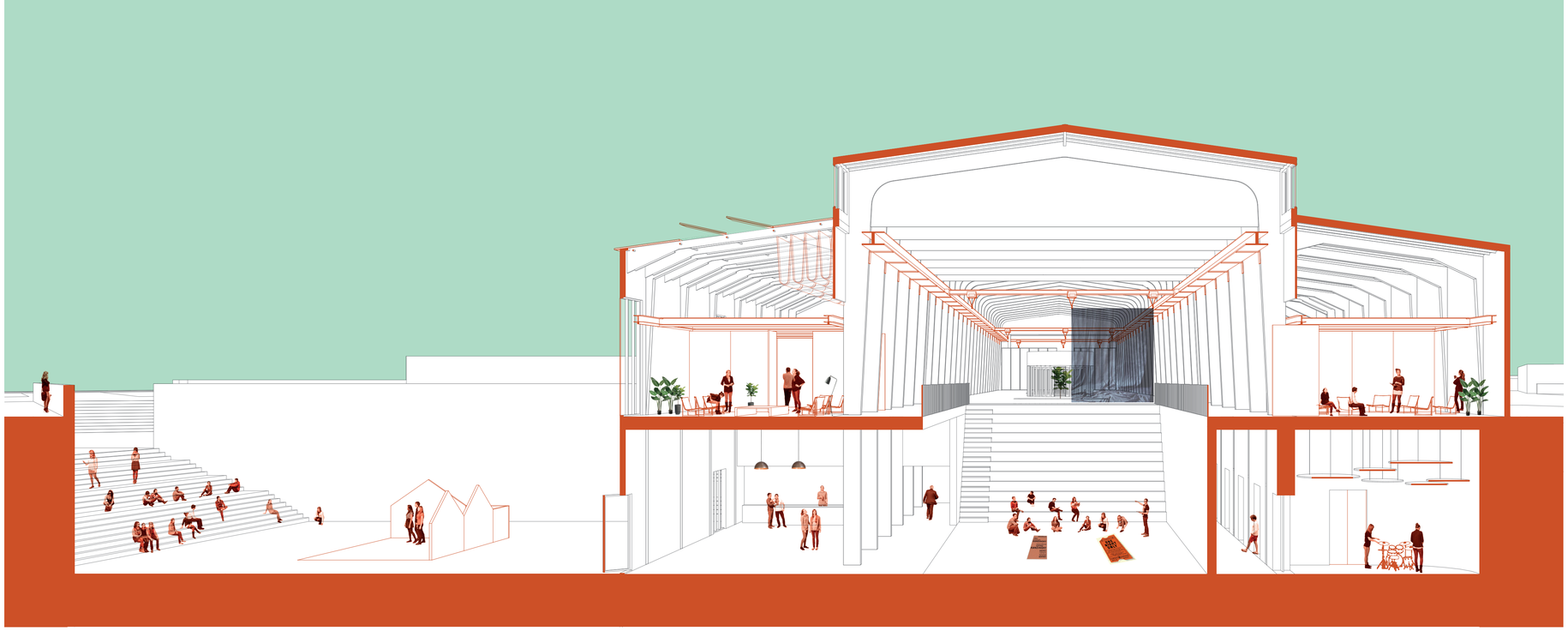


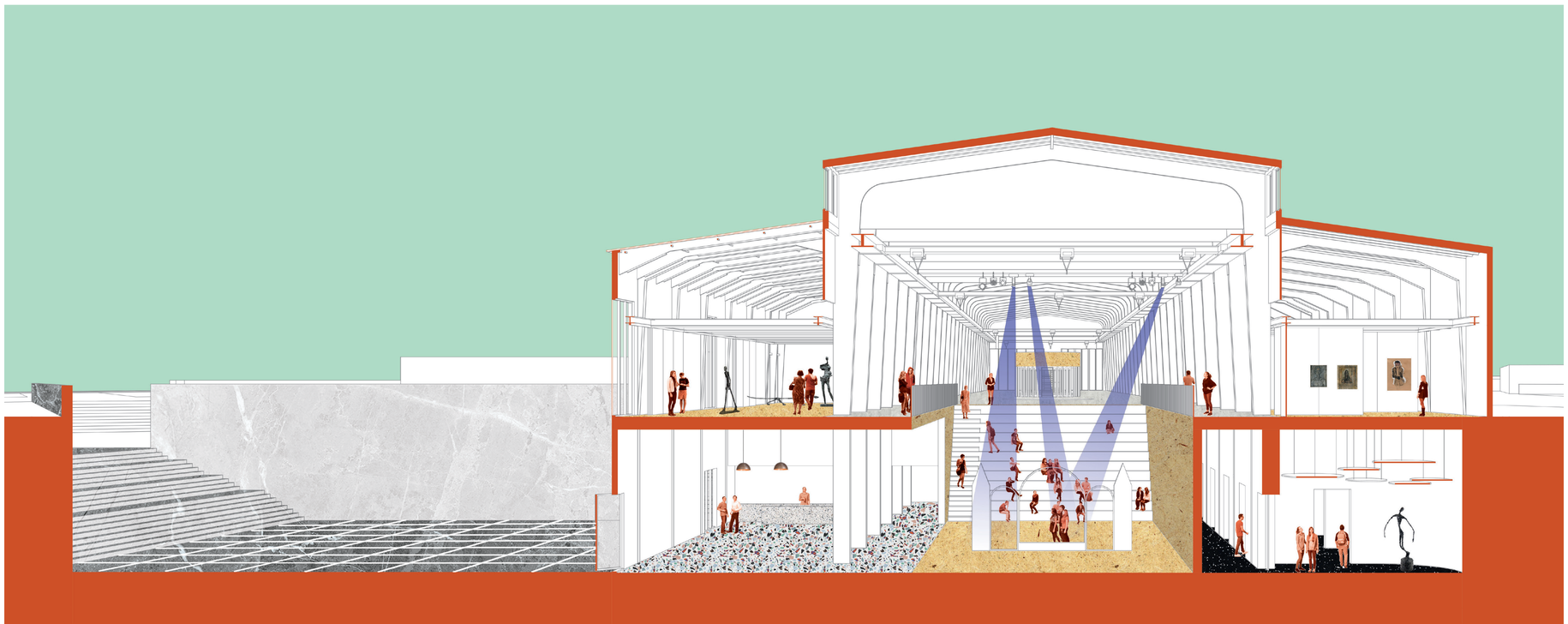
Cross Section Diptych

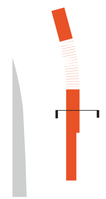
1:100

Top: Summer

Bottom: Winter





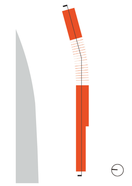


South elevation

1:100

Outdoor exhibitions

Event promotion on facade



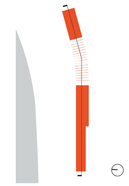


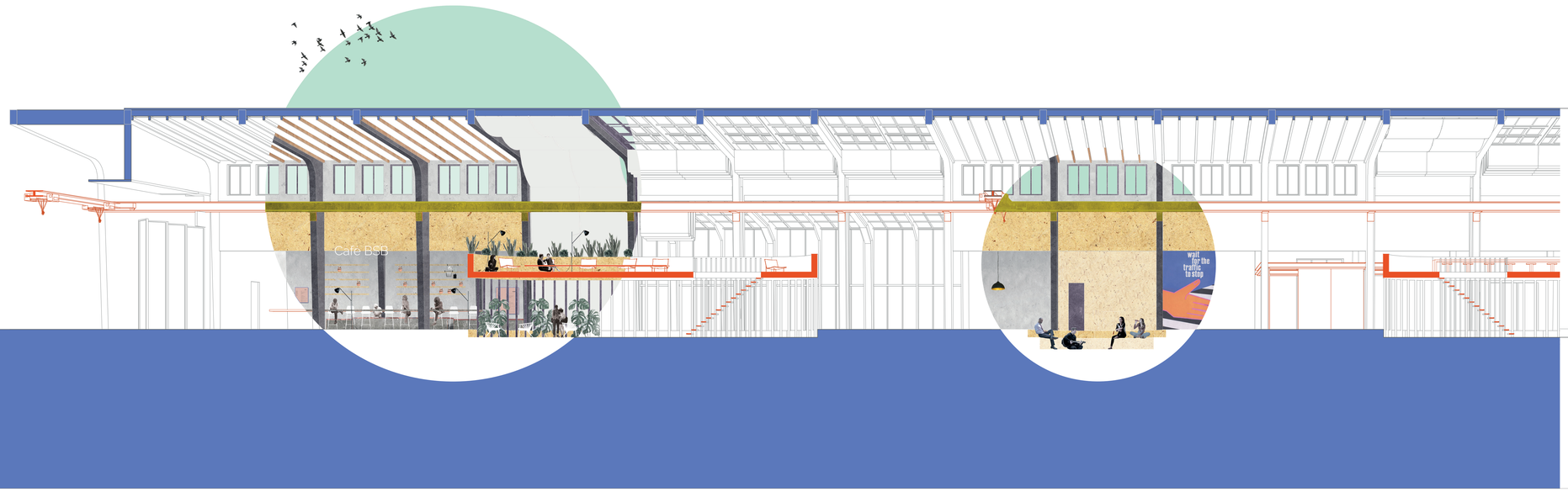
Long section

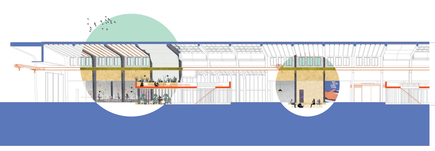
1:100

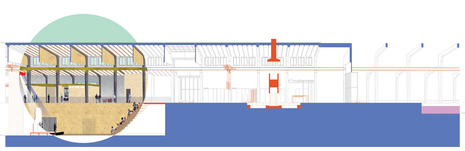
Part I

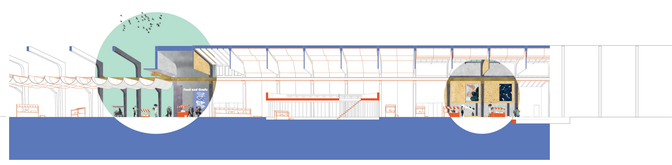
Working, meeting, eating









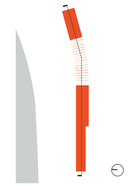


Long section

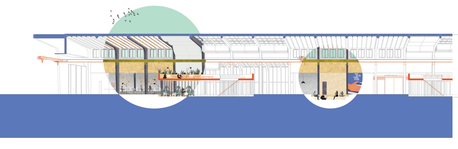
1:100

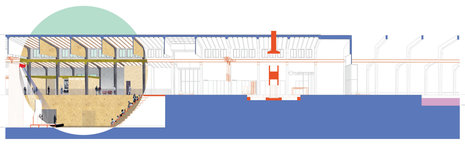
Part II

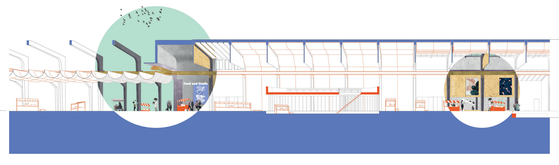
Theatre play, film screening









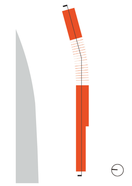


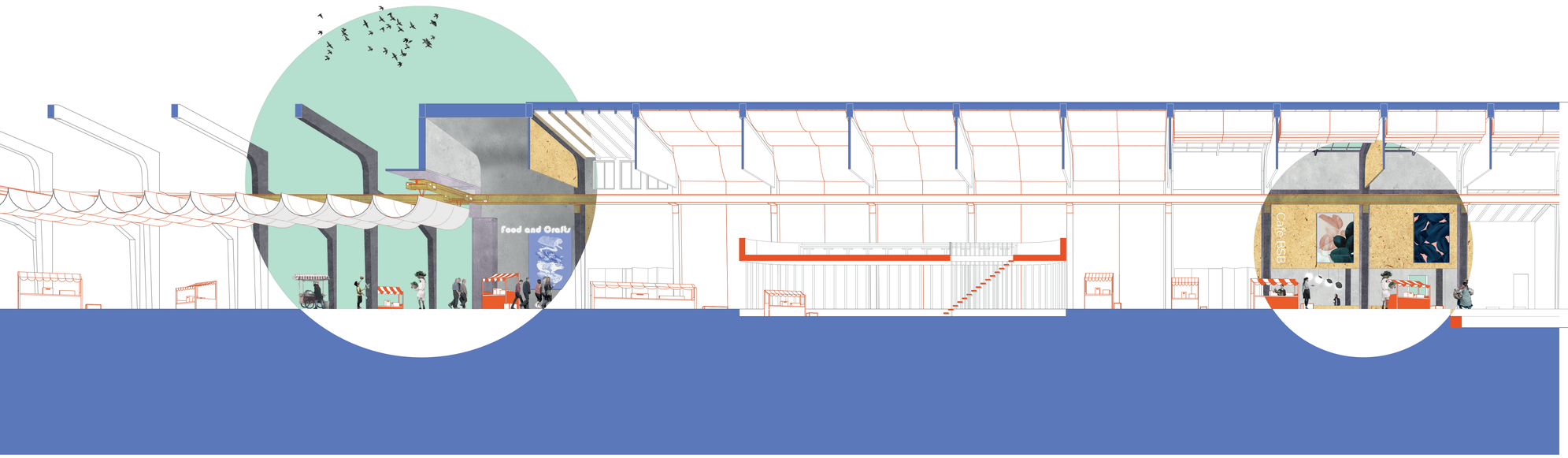
Long section

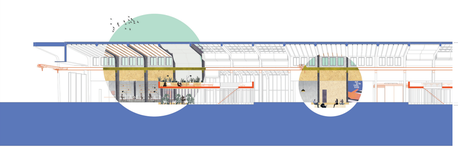
1:100

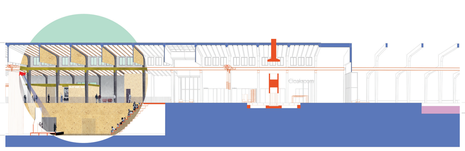
Part III

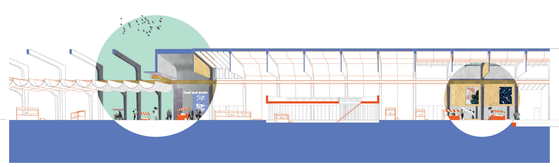
Weekend
food and crafts market





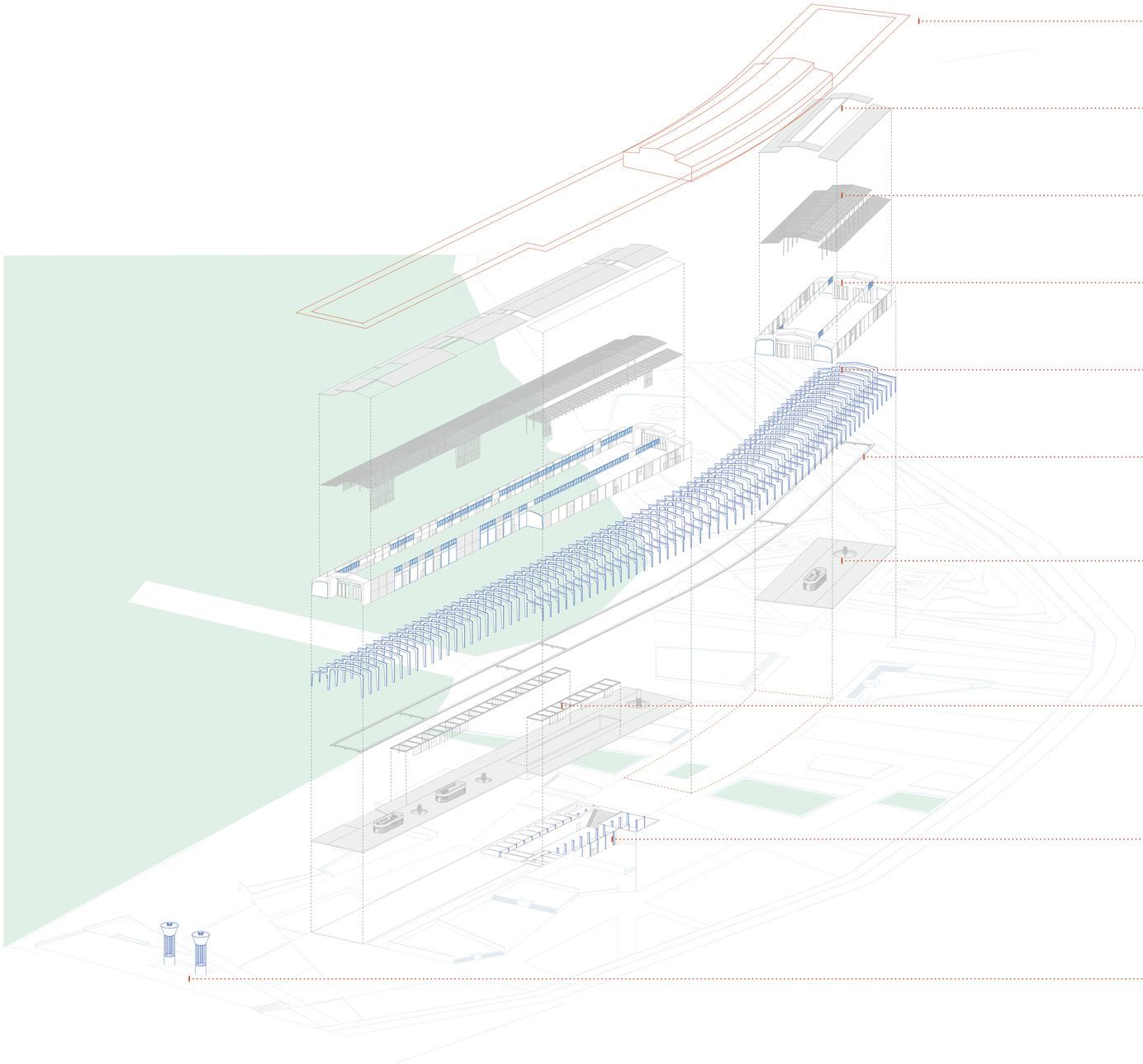






Repurposing Bodega Simón Bolívar

Main intervention components



1
Removed elements
i) Concrete overhang
ii) Part of the building's volume
Breaking the volume of the 500m long building in line with the Baron pier, the structure is revealed to the landscape, allowing outdoor activities and the open-air market to occur underneath. The project now comprises of two volumes where the structure is conserved with respect to the warehouse's structural language.

2
Light and dry roof system
The new roof is comprised of opaque and translucent sections in order to cater for the varied programmatic needs of the venue. This achieves a diversity of daylight conditions along the linear interiors.
Roof panels sit on a hybrid grid system. This is made of timber where the roof is opaque and of weathered steel where it is exposed to receive see-through roof elements.

3
Walls & openings
The refurbishment focuses on making the most of existing elements, to generate less waste and less economic costs. Wherever possible walls have been retained. However, the existing openings were inadequate for the new planned uses and so the existing façades had to adapt and become perforated. At night the light coming from in-house events will make the warehouse visible to the cruising ships and the hills alike.

4
Overhead crane system
A steel overhead crane system attached onto the main hall's concrete columns is installed in the refurbishment phase. That way building materials can be easily transported through the site. Further on, the cranes remain as a functional feature within the building, enabling goods and furniture to arrive where needed for various events or temporary shading to appear above the market area in summer months.

5
Fixed interventions
A system of fixed interventions for collective seating is designed along the main hall. Visitors may choose between resting in sunken, nested seating circles around the fire or they may prefer to meet their colleagues perched on the raised multi-use platforms. Finally, the stage is situated in the events building featuring retractable seats which can adapt for any occasion.

6
Flexible space arrangements
On the side-isles, flexible internal walls on rails are introduced using a light, modular system which can be easily adapted by the users.

7
New basement
The basement includes the main stage as well as supporting spaces for events, the scene shop and rehearsal/ exhibition spaces. It can be accessed from the landscape too, on the level of the outdoor sunken courtyard.

8
Port heritage
The old watertowers are retained and celebrated as part of the port's heritage.

Removed fabric

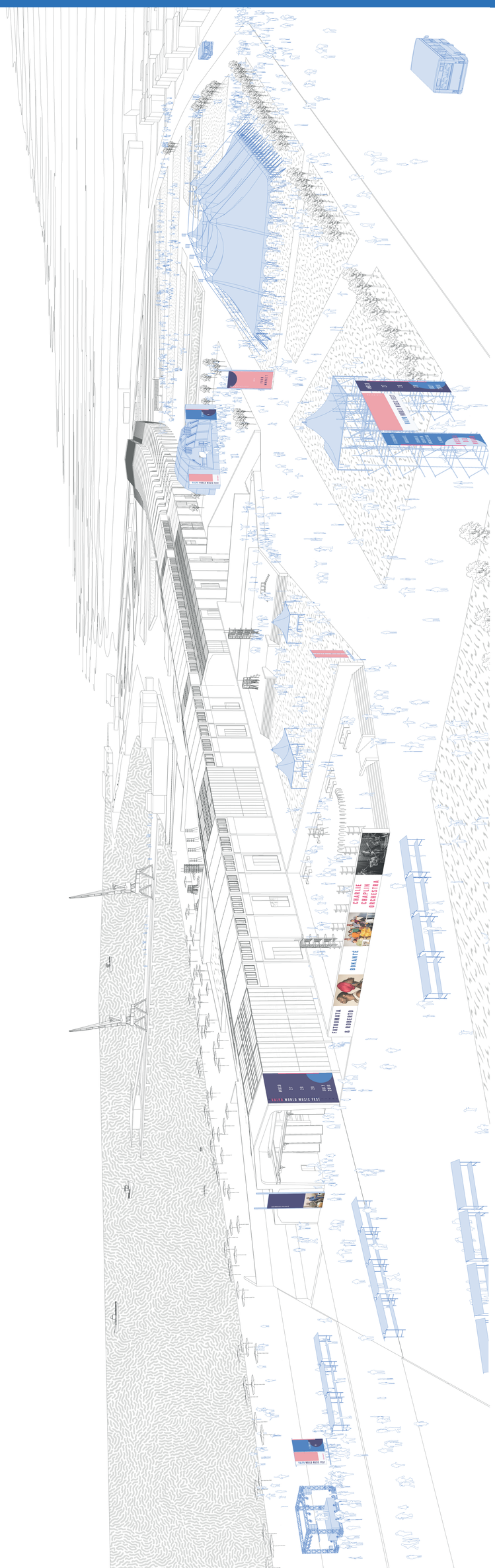
Retained fabric

Refurbishment (new)

VALPO WORLD MUSIC FEST

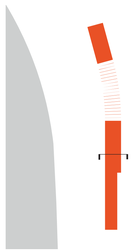
MÚSICA DEL MUNDO

BSB VALPO



BSB Valpo

1:33 Detail Section



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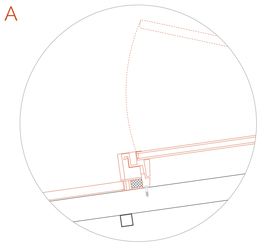

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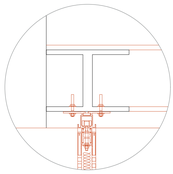

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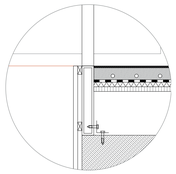

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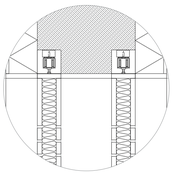

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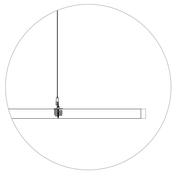

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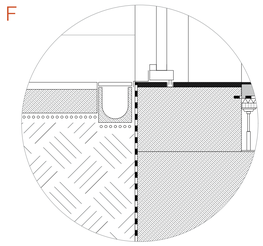


1:10 Details

Translucent roof construction:

35 mm polycarbonate panel, 900 mm wide
Fixed on 100/50 SHS rafters
with hex head self-drilling screws

1700/900 sensor operated skylight
7mm toughened glass
11mm cavity
7mm float glass
in oxidized metal frame
Fixed on 100/50 SHS rafters

A

Solar gain roof construction:

Ridge flashing
40mm photovoltaic element, thermal collector
18mm OSB
300/150 Ridge
Mineral wool between
300/150 glulam joists at 900ctrs
200/100 glulam rafters at 900ctrs
50/50 roof battens at 900ctrs
Vapour barrier
9mm OSB
15mm plasterboard
Existing concrete structure

Overhead crane system:

Horizontal cranes on wheels
850/495 I-beams bolted on existing concrete structure

Adjustable shading/ promo banner:

white fabric on rails attached on steel roof system

OSB element for signage:

20mm OSB board
60/60 timber battens
20 mm OSB board
attached on existing concrete structure

Cross-ventilation opening:

sensor operated
7mm safety glass
11mm cavity
7mm float glass
in steel frame

B

Translucent wall construction:

Sensor operated opening for cross ventilation
35 mm polycarbonate panel,
3480/900 with seamless tongue and groove connection
glued on 225/50 SHS elements

Side isles:

20mm timber flooring
48mm screed with underfloor heating
Electrical floor boxes
Polythene separating layer
20mm impact-sound insulation
20mm OSB boarding
185mm raising pieces
200mm reinforced concrete floor

Main hall:

Epoxy coating on
8mm screed layer
60mm screed with underfloor heating
Electrical floor boxes
Polythene separating layer
20mm impact-sound insulation
20mm OSB boarding
185mm raising pieces
200mm reinforced concrete floor

Flexible wall system for acoustic control:

I -beam grid bolted on existing concrete structure
350/260 I-beams with fixed panel guides
76/1800/3500 micro-perforated lightweight timber panels
manually adjustable

Balustrade:

50mm dia hollow oxidized steel rods screwd on metal foundation

C

Performance courtyard:

30mm tocal stone paving tiles
100mm in situ concrete slab
10mm compacted bed of gravel
water gutter for rainwater collection

Bar

Folding door:

Concealed door guide
35mm polycarbonate sheet
in oxidized steel frame

Lower ground floor:

8mm terrazzo
60mm screed with underfloor heating
Polythene separating layer
20mm impact-sound insulation
20mm OSB boarding
185mm raising pieces
675mm reinforced concrete slab
50mm sand
60mm gravel

Multi-use stage area:

8mm OSB floor finish on screed
Retractable OSB seating

Stage wall finish:

18mm OSB panels attached on timber battens

Wall/ ceiling treatment:

120mm acoustic insulation
12.5mm plasterboard

D

E

Acoustic treatment:

microperforated timber panels
loose-fill insulation

Double sliding door:

Concealed top rail
20mm microperforated timber panel
60mm acoustic insulation
20mm microperforated timber panel

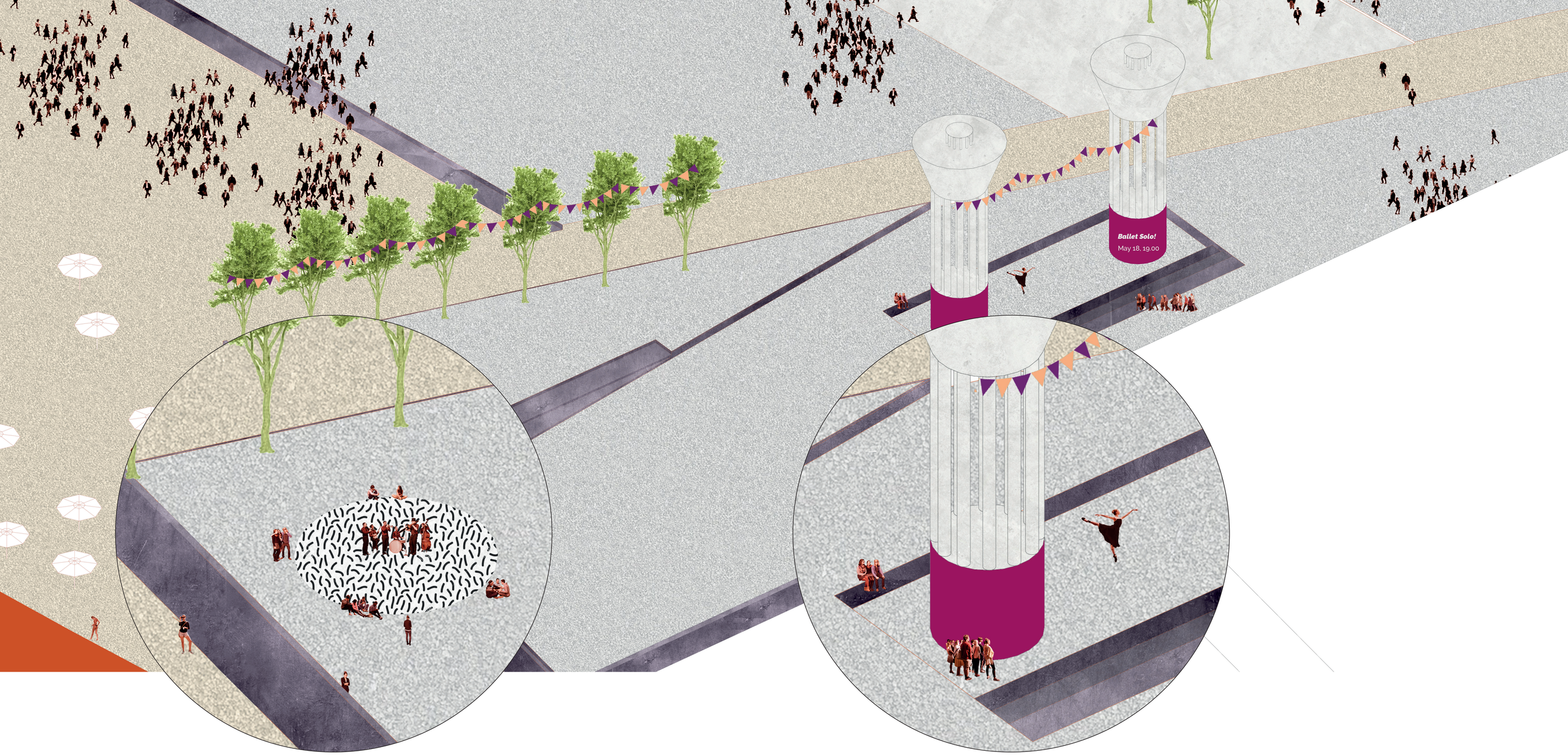
Acoustic ceiling clouds:

Suspended on adjustable wire hangers
800/40 and 1200/40 acoustic circle tile
high density glass wool,
painted white

Rehearshal/ exhibition area:

8mm recycled tire floor finish

F



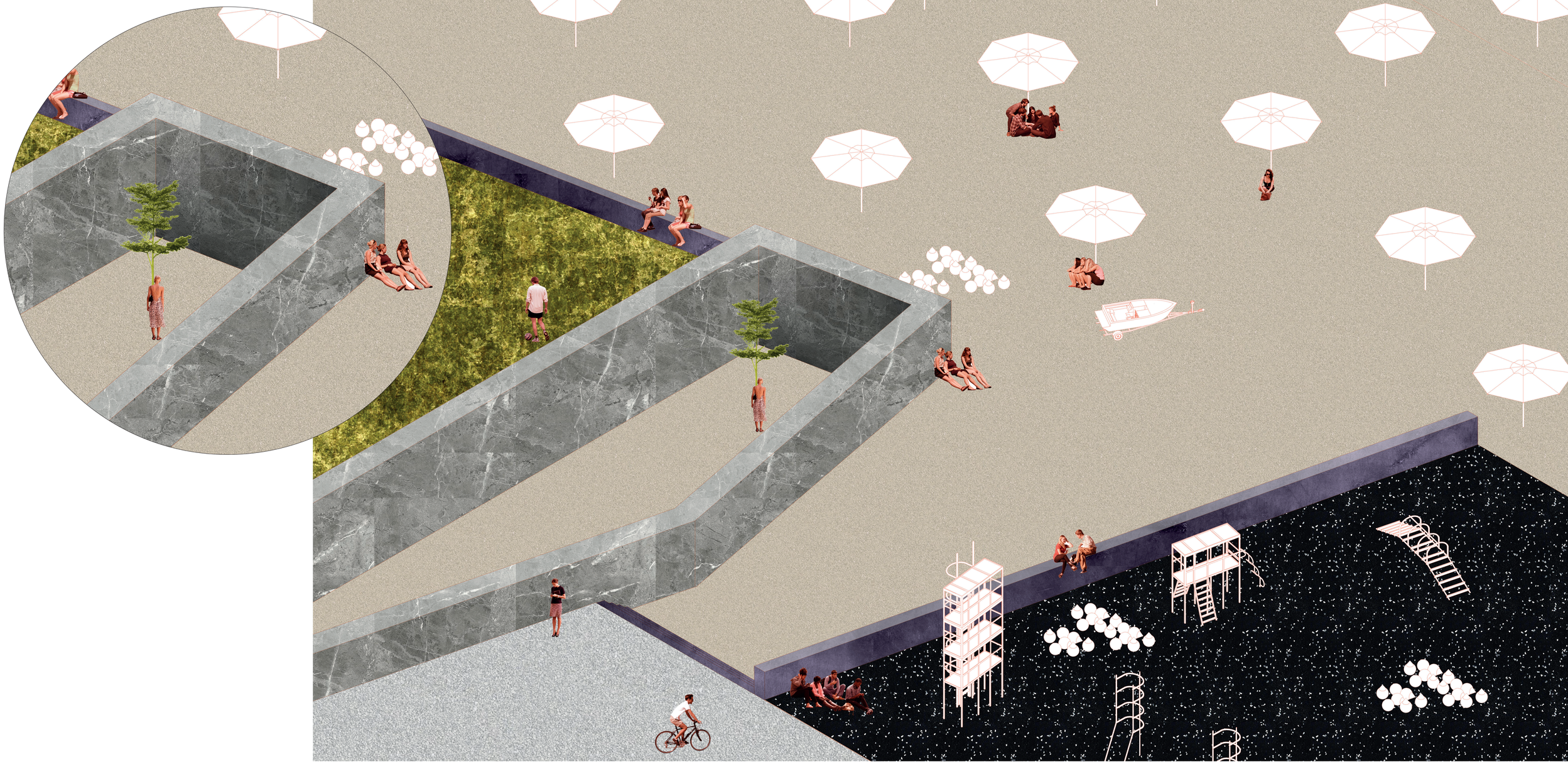
Water towers platform :

Landscape as stage



Space for play:

Containing noise

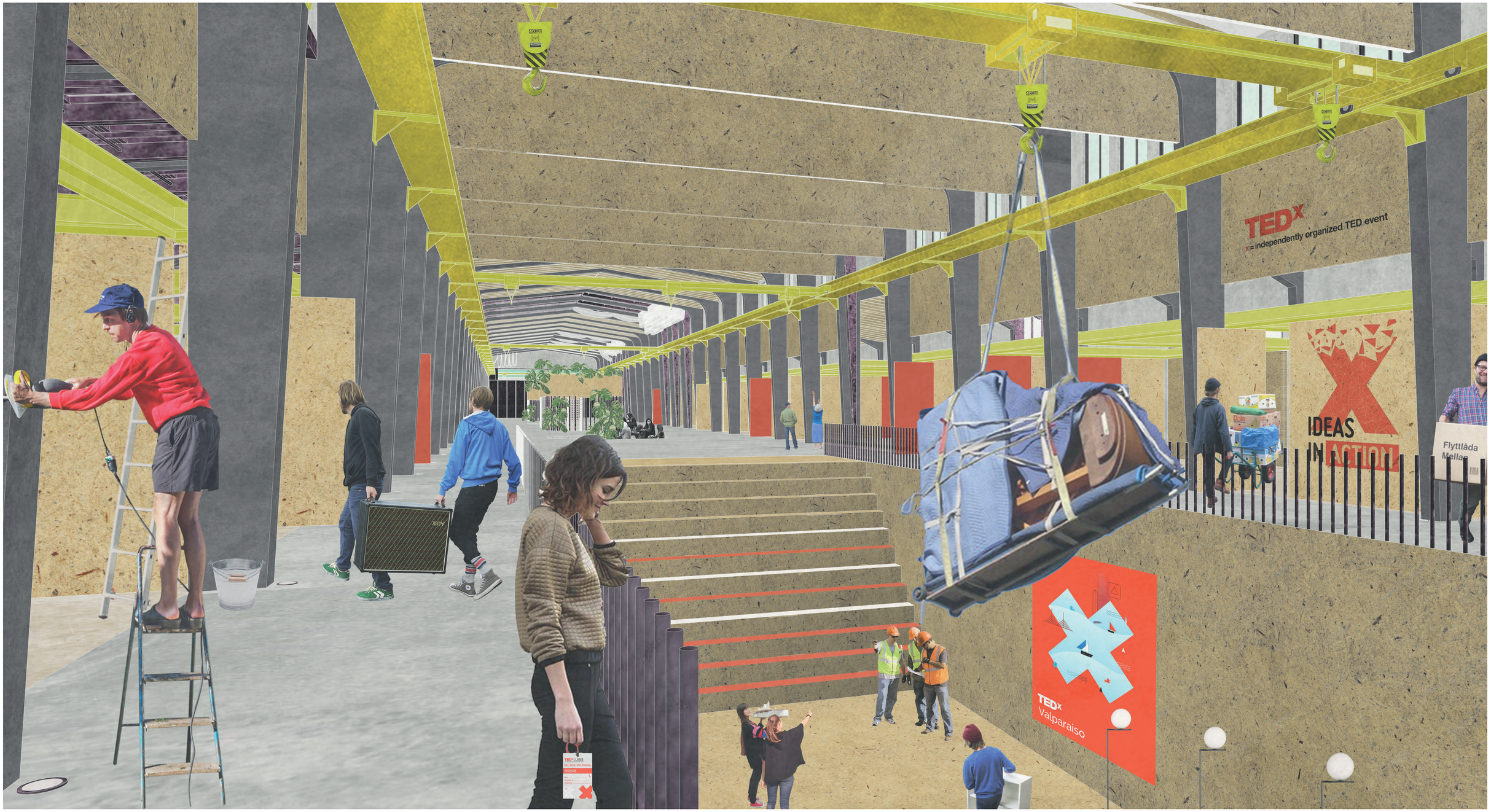


Nested in stone:

Dimming the sense of vision



Planted platforms offer students and professionals a peaceful, yet social environment to be productive in.



Event organisers along with volunteers are setting up the multipurpose building for TedX Valpo.



Drink reception and chatting around the fireplace before a big event.