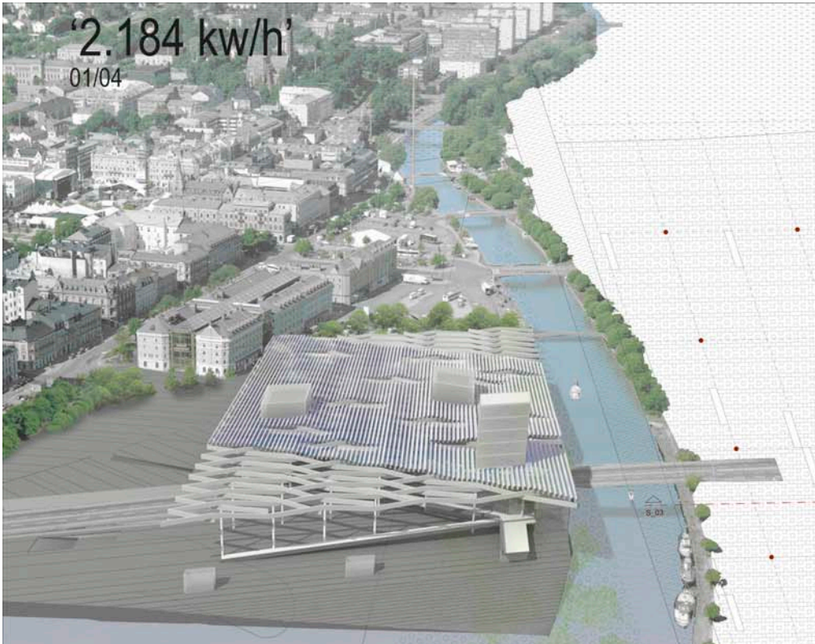
‘2.184 kw/h’

01/04

A NEW ARTS CENTRE / THEATRE BUILDING IN SUNDSVALL



Every public building must be an energetic management model.
This is a political responsibility nowadays…

The site, in the lower part of the city, by the water, suggests us the chance to project a big solar ceiling, which will appear with it´s technological texture as a new reference to be watched from several points of the city.

Urban conditions meeting in the site, that configure great opportunities:
-the arrival piazza from the city to the sea.
-the presence of the new road crossing the river.
-the request about the necessary dialogue between the project and the Kultur Magasinet, from functional to aesthetical point of view.
-the proximity to the bus station,
-and the impressive sidewalk on the contrary riverside,

Try to fit in the new building.
-a twisted square, touches the Kultur Magazinen entrance, decreases its height so as to be kind with preexistences.
-From there, the new building slopes softly to the sea, trying to get level enough to cover theaters’ scenes.
On the way, the projected ceiling includes the new road, that appears as part of the building.

The public space results splitted into three different ones.

The city door to the sea, surrounding the Kultur Magasinet, where the new building appears showing the technological textures of its solar panels cover.
A new one, on the other side of the road, close to the water, where a big step offers sea views, and facilitate to get down and touch it.
The last one, will have trees enough to separate the new building from the bus station, and will give continuity to the front river sidewalk. A pedestrian gang-plank jump will connect both sides.

In the interior, the solar ceiling conforms a huge sun brine, that fills with homogeneous light all the spaces.
The glass separation between them, shows us the continuous presence of the sky.

All the spaces are heated trusting the transparency of its walls.
This system allows us to create comfortable places in and outside with a nice level of light. This light involves outside and inside spaces enhancing the relation between them.
So, we try to show the activities of the center by a visual relationship with the outside area creating a continuous space.
A wooden system of vertical pieces, makes possible to get dark spaces, cutting this relationship.

An extended system of patios, reinforce the building transparency, and let us contact with green and direct ventilation.

From the waved surface of the blue solar roof, some translucent volumes emerge coming out as icebergs, as a metaphor of the cold next sea.

Ground floor Scale 1/400

Ground Floor

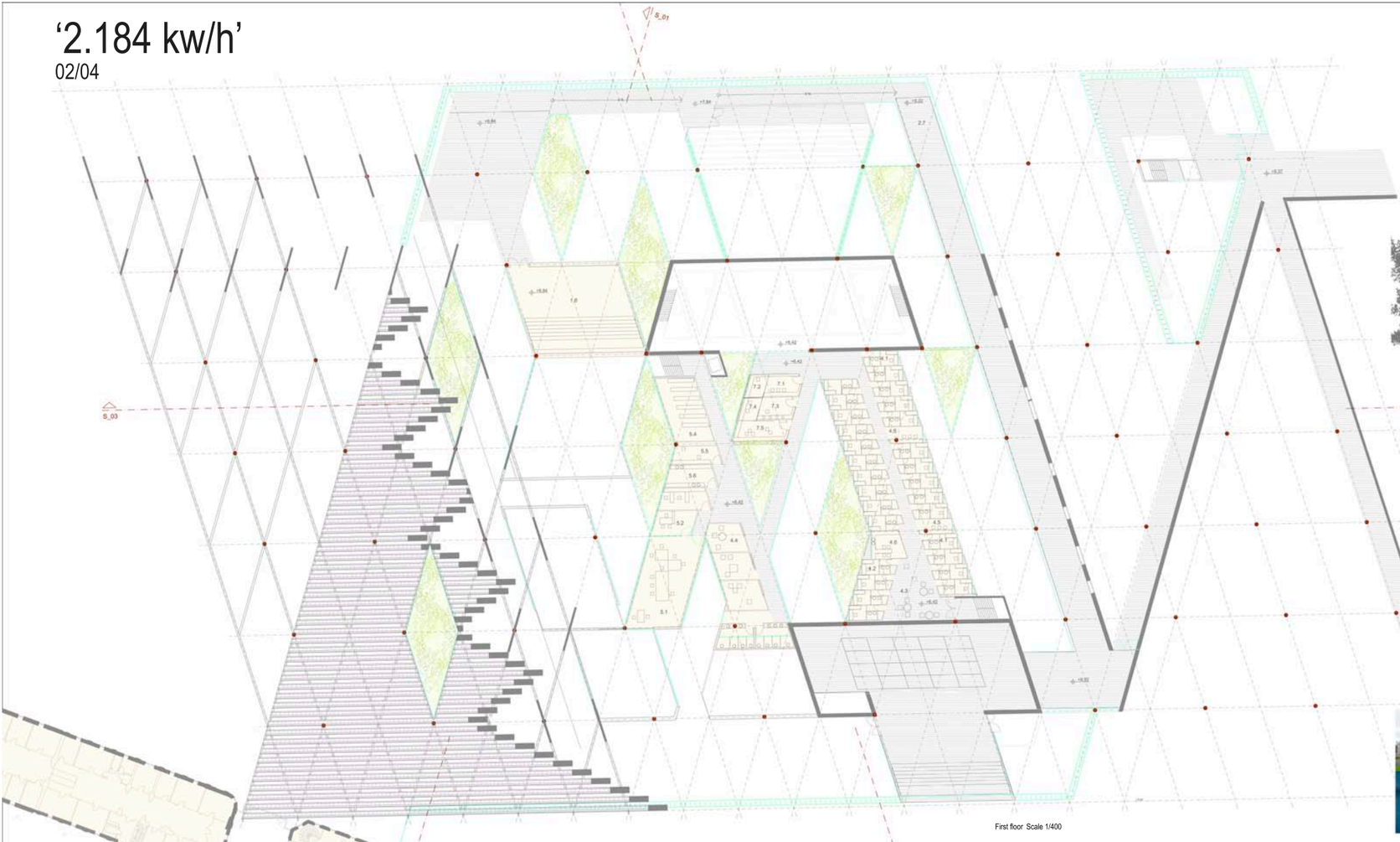
1 AUDITORIUMS AND BLACK BOXES	
1.1. Auditorium 1	1.083
1.11 Café stage.	47
1.5 Black box 0,00	343
1.7 Experimental stage	259
1.9 Dance room	206
1.9 Drama room	188
2 PUBLIC SPACES	
2.1. Foyer.	3.130
2.2 Cloakroom.	210
2.3. WCs for audience	79
2.4 Box office. Information.	80
2.5. Café/ restaurante /bar	350
2.6 Restaurant Kitchen	113
2.8 Youth activities	119
10 WORKSHOPS	
10.6. Office.	60
10.7. Scenographer.	59
GROSS SURFACE GROUND FLOOR	5.777 m2

Elevation North Scale 1/400

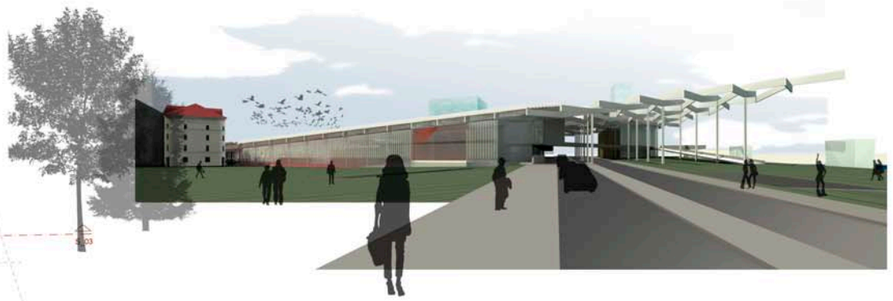
‘2.184 kw/h’

02/04

A NEW ARTS CENTRE / THEATRE BUILDING IN SUNDSVALL



First floor Scale 1/400



1st floor

1 AUDITORIUMS AND BLACK BOXES	
1.1. Auditorium 1.	234
1.3. Auditorium 2, black box.	682
1.6. Auditorium 4, rehearsal.	248
2 PUBLIC SPACES	
2.7. Exhibition space.	592
4 DRESSING ROOMS	
4.1 Dressing staff	69
4.1 Dressing staff 2.	69
4.1 Dressing staff 3.	56
4.2. Dressing rooms 1.	139
4.2. Dressing rooms 2.	27
4.3. Artist's foyer.	65
4.4. Green rooms.	85
4.5. Make up.	28
4.6. Kitchen props.	21,33
5 ATELIERS	
5.1. Dressmaker's workshop.	132
5.2. Office.	24
5.3. Changing room.	25
5.4. Storage room.	62
5.5. 5.5. Laundry.	25
5.6. Dyeing room.	26
7 MAKE-UP AND MASKS	
7.1 Make up / masks.	18
7.2. Office	10
7.3. Wigs.	18
7.4. Laboratory	11
7.5. Storage.	27
GROSS SURFACE 1st FLOOR	3461 m2

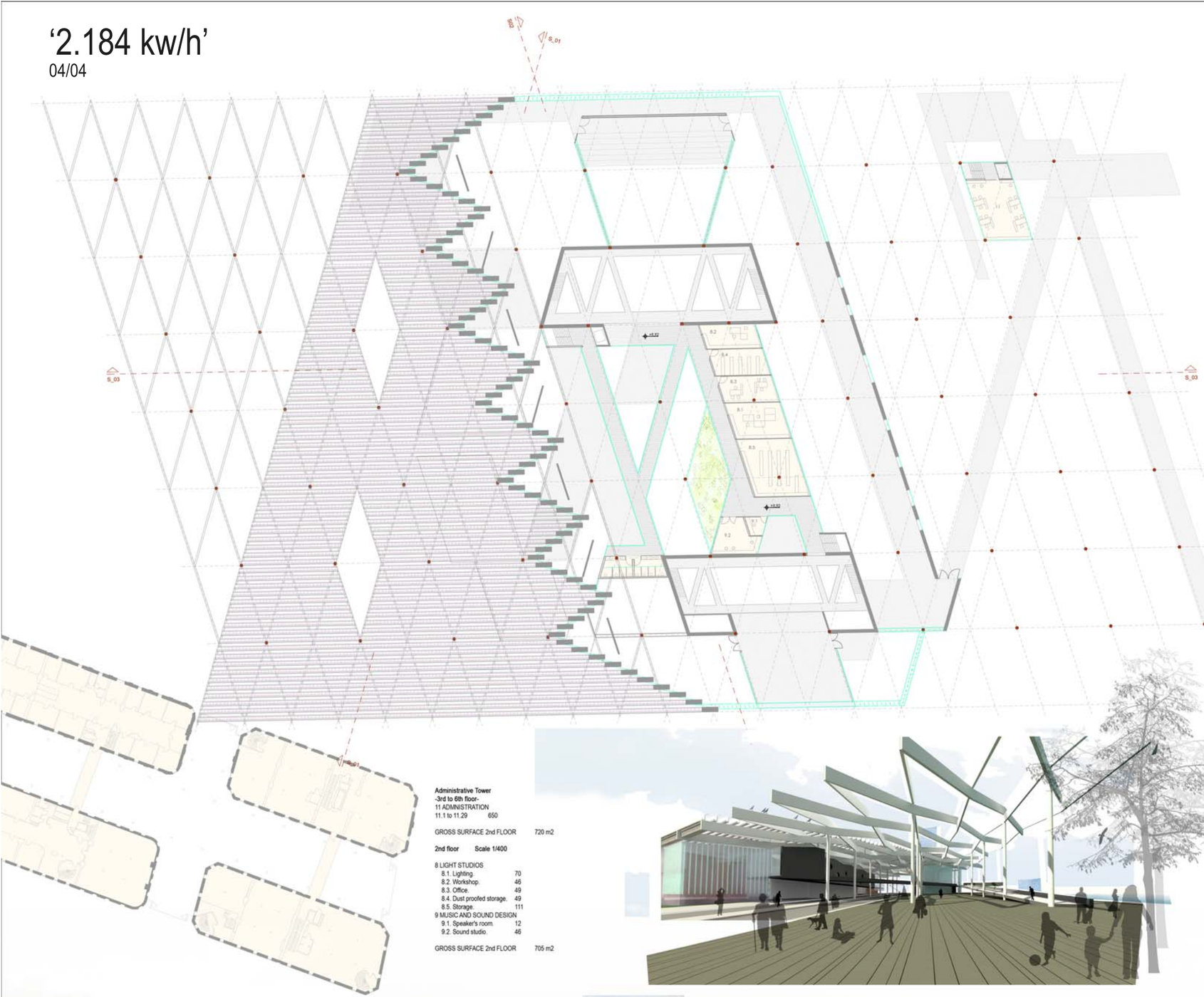
01 Section Scale 1/400

Elevation East Scale 1/400

‘2.184 kw/h’

04/04

A NEW ARTS CENTRE / THEATRE BUILDING IN SUNDSVALL



Administrative Tower
-3rd to 6th floor-
11 ADMINISTRATION
11.1 to 11.29 650

GROSS SURFACE 2nd FLOOR 720 m2

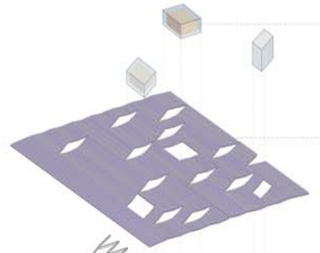
2nd floor Scale 1/400

8 LIGHT STUDIOS
- 8.1. Lighting. 70
- 8.2. Workshop. 46
- 8.3. Office. 49
- 8.4. Dust proofed storage. 49
- 8.5. Storage. 111

9 MUSIC AND SOUND DESIGN
- 9.1. Speaker's room. 12
- 9.2. Sound studio. 46

GROSS SURFACE 2nd FLOOR 705 m2

Section s02 Scale 1/400

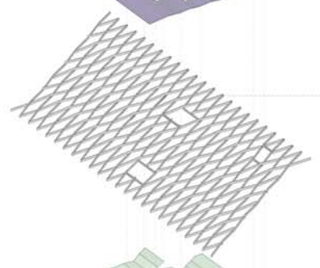


scenic boxes_administrative tower

From the waved surface of the blue solar roof, some translucent volumes emerge coming out as icebergs, as a metaphor of the cold next sea.

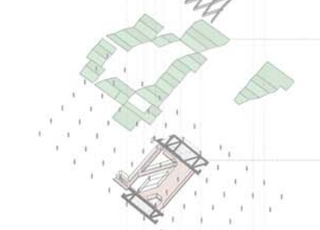
solar cover

A 6500 m2 solar ceiling, conforms most of the new image of the building, providing 2184 Kwh.This means energy enough to cover the average consume of 640 homes; and remembering to the community the political importance of alternative energies.



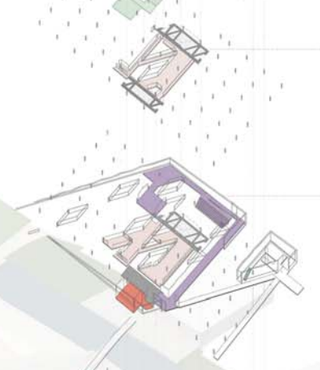
structural grid

The ceiling is configured by a grid of interlaced beams, trying to avoid solar direct incidence, and diffusing the light in the interiors.



ceiling

A tensed translucent plastic film, encloses finally work spaces of the building.

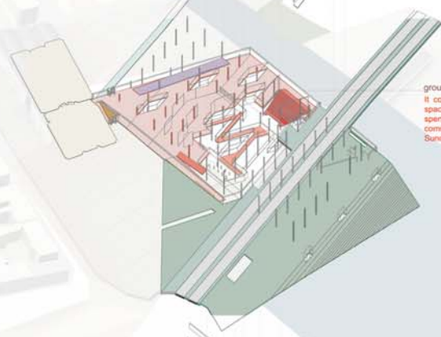


second floor

The music and light technicians are placed in the upper level, close to the maximum level of scenery boxes.

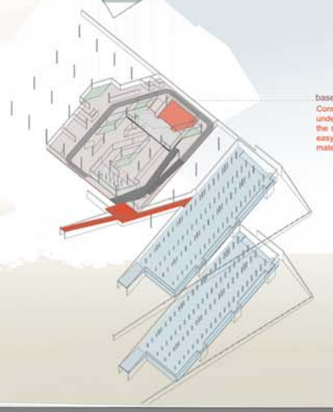
first floor

This is the artist's level. Dressings and ateliers are here.
A path, including exhibition space, crosses the building from the bus station's piazza to the sea piazzas, offering an exciting walk through the interior live of the program.



ground

it conforms a generous covered public space. It's a place to meet somebody, spend a nice time talking to friends, and community live, in one of the best sites of Sundsvall.



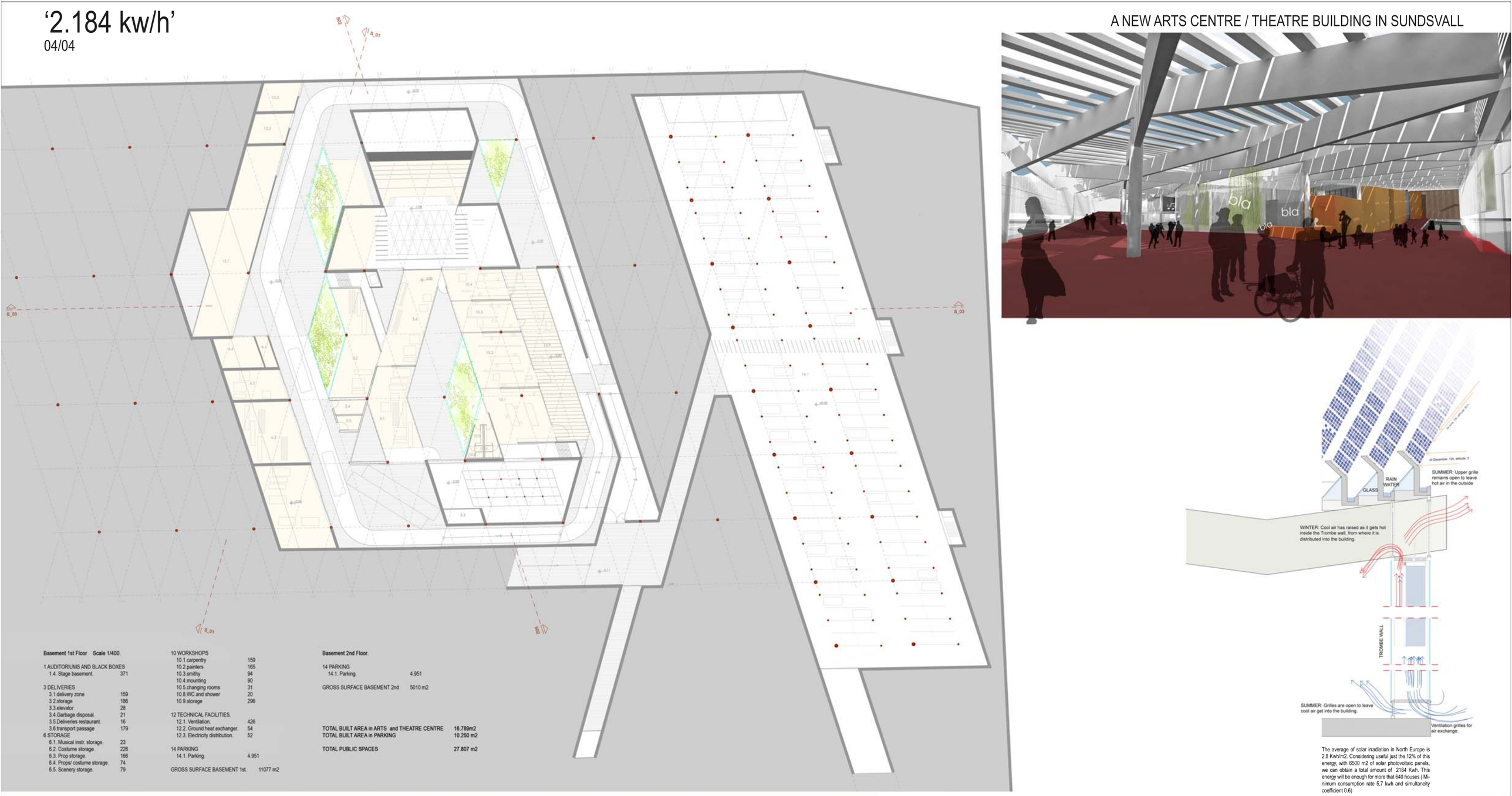
basement

Connected with the parking, crossing underneath the road, it's the level of the the storage and workshops. Trucks have easy acces to this level in order to deliver materials in the new buildings.

‘2.184 kw/h’

04/04

A NEW ARTS CENTRE / THEATRE BUILDING IN SUNDSVALL



The average of solar irradiation in North Europe is 2,8 Kwh/m2. Considering useful just the 12% of this energy, with 6500 m2 of solar photovoltaic panels, we can obtain a total amount of 2184 Kwh. This energy will be enough for more that 640 houses (Minimum consumption rate 5,7 kwh and simultaneity coefficient 0.6)

Basement 1st Floor Scale 1/400.

1 AUDITORIUMS AND BLACK BOXES	
1.4. Stage basement.	371
3 DELIVERIES	
3.1.delivery zone.	159
3.2.storage.	186
3.3.elevator.	28
3.4.Garbage disposal.	21
3.5.Deliveries restaurant.	16
3.6.transport passage	179
6 STORAGE	
6.1. Musical instr. storage.	23
6.2. Costume storage.	226
6.3. Prop storage.	166
6.4. Props/ costume storage.	74
6.5. Scenery storage.	79
10 WORKSHOPS	
10.1.carpentry	159
10.2.painters	165
10.3.smithy	94
10.4.mounting	90
10.5.changing rooms	31
10.8.WC and shower	20
10.9.storage	296
12 TECHNICAL FACILITIES.	
12.1. Ventilation.	426
12.2. Ground heat exchanger.	54
12.3. Electricity distribution.	52
14 PARKING	
14.1. Parking.	4.951
GROSS SURFACE BASEMENT 1st.	11077 m2

Basement 2nd Floor.

14 PARKING	
14.1. Parking.	4.951
GROSS SURFACE BASEMENT 2nd	5010 m2

TOTAL BUILT AREA in ARTS and THEATRE CENTRE	**16.789m2**
TOTAL BUILT AREA in PARKING	**10.250 m2**
TOTAL PUBLIC SPACES	**27.807 m2**

Section s03 Scale 1/400