

BASIS OF DESIGN | DRAWINGS | RENDERINGS



BREEZE OF INNOVATION

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JAN 18, 2021

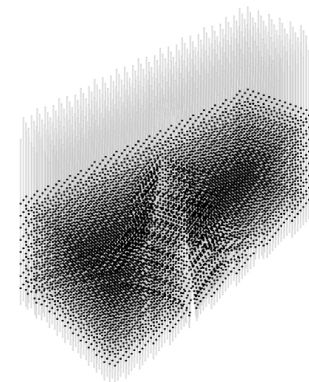
## CONTENT

1. BASIS OF DESIGN I . Design Narrative	P04
2. BASIS OF DESIGN II . Park Activation	P45
3. DRAWINGS	P69

BASIS OF DESIGN I . DESIGN NARRATIVE

**Part 1. A Landmark for San Jose**

A LANDMARK FOR THE FUTURE <b>Connecting with the Planet</b>	P06
A LANDMARK FOR THE URBAN CONFLUENCE <b>Connecting with the River</b> <b>Connecting with the Arena East</b>	P08
PARK ACTIVATION <b>Connecting with the River</b>	P12
A LANDMARK FOR THE ARENA GREEN <b>Connecting with the Park</b>	P14
EXPERIENCING THE WALKWAY <b>Connecting with the Valley</b>	P16
A LANDMARK FOR SAN JOSE <b>Connecting with the City</b>	P18
A DAYLIGHT LANDMARK <b>Connecting with the Environment</b>	P20
MERGING WITH CONTEXT <b>Connecting with the Environment</b>	P22
A LANDMARK FOR THE CITY <b>Connecting with the Neighborhood</b>	P24
A TRIBUTE TO SJELT <b>Connecting with Memory</b>	P26



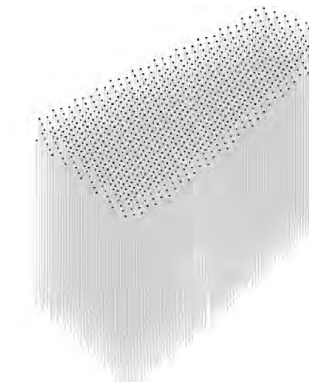
In 1881 San Jose was pioneer designing "The Electric Light Tower" (SJELT). The shape of the SJELT inspires a pyramidal void based on the 75-foot x 200-foot dimensions of the original SJELT to celebrate this unique moment in San José's history in the collective memory.

SJELT comes to life inside the new Tower like a void of light

BASIS OF DESIGN I . DESIGN NARRATIVE

**Part 2. An Icon for Silicon Valley**

THE EXPERIENCE <b>Connecting with 5 Senses</b>	P28
TOWER OF LIGHT <b>Connecting with San Jose</b>	P30
AN IMMERSIVE EXPERIENCE <b>Connecting with each other</b>	P32
DONOR'S GALLERIES <b>Connecting with the Roots</b>	P34
MAGIC WANDS <b>Connecting with Silicon Valley</b> <b>Responsive Energy</b>	P36
THE EVER CHANGING MAGIC OF SILICON VALLEY <b>Power of People</b> <b>Power of Wind</b> <b>Connecting with the Planet</b>	P40



If the connection to San Jose is at the heart of the project, the connection to Silicon Valley is in its envelope, formed by hundreds of rods that generate responsive energy when moving in the wind. An environmental statement, in which clean energy harvesting materializes in a gesture creating a choreography of light, shadows, human movements, experiences and emotions.

A LANDMARK FOR THE FUTURE  
Connecting with the Planet



**The Icon**

The new landmark in San Jose materializes in a gesture, a white brush stroke in the blue sky of San Jose, formed by hundreds of rods that generate responsive energy when moving in the wind\*. An environmental statement, in which clean energy harvesting materializes in a gesture.

A LANDMARK FOR THE FUTURE  
Connecting with the Planet

Throughout history, the megastructures that have transcended their time and have become **global icons** are those that **were pioneers in response to the challenges of their time.**

The challenges facing the world in the 21st century are many, but if there is one that, due to its relevance, acquires an importance that affects the entire planet, it is climate change and the need to shift the way we generate energy, in search of cleaner energy sources. This project does not intend to solve climate change, but **we believe that large public projects could serve to send a message; a world with clean energy is entirely possible.**

This project does not pretend to invent a new technology, its purpose is to create awareness and send a positive message to future generations, that a clean planet is possible... **The goal is to make the energy harvesting obvious and visible,** in order to trigger, to change perception, to question reality... to inspire. Thanks to a very simple technical system\*, the tip of the rods will light up only when it is windy. In this way, people could directly perceive that it is the wind that creates the lighting, at no cost.

<p>GIZA Great Pyramid of Giza 2560 BC, Giza</p>	<p>EIFFEL TOWER Eiffel tower 1889, Paris</p>	<p>GATEWAY Gateway Arch 1965, St.Louis</p>	<p>BREEZE Breeze of Innovation 2021, San Jose</p>
<p><b>The Collective Workforce Challenge</b></p>	<p><b>The Industrial Challenge</b></p>	<p><b>The Engineering Challenge</b></p>	<p><b>The Clean Energy Challenge</b></p>



**Stage 1 Competition Location**

The footprint of the tower is generated from the existing park pathways and the construction boundaries allowed. It is placed in the most visible area for visitors coming from the CBD or the Siridon Train Station, generating a public Plaza in front of the SAP Arena on the corner between N Autumn St and Santa Clara St.



**New location. An Adaptable Structure**

Following the SAP requirement and in light of the new Google's master plan that includes several high-rise buildings in the vicinity of the initial location, the project is located north of Autumn St. Thanks to the flexibility of the project plan, it adapts to the new location, generating interesting possibilities for activating the park.

(\* As requested by the SAP Centre during Stage 2, the project has been moved to a new location inside the construction boundaries.

A LANDMARK FOR THE URBAN CONFLUENCE  
**Connecting with the River**



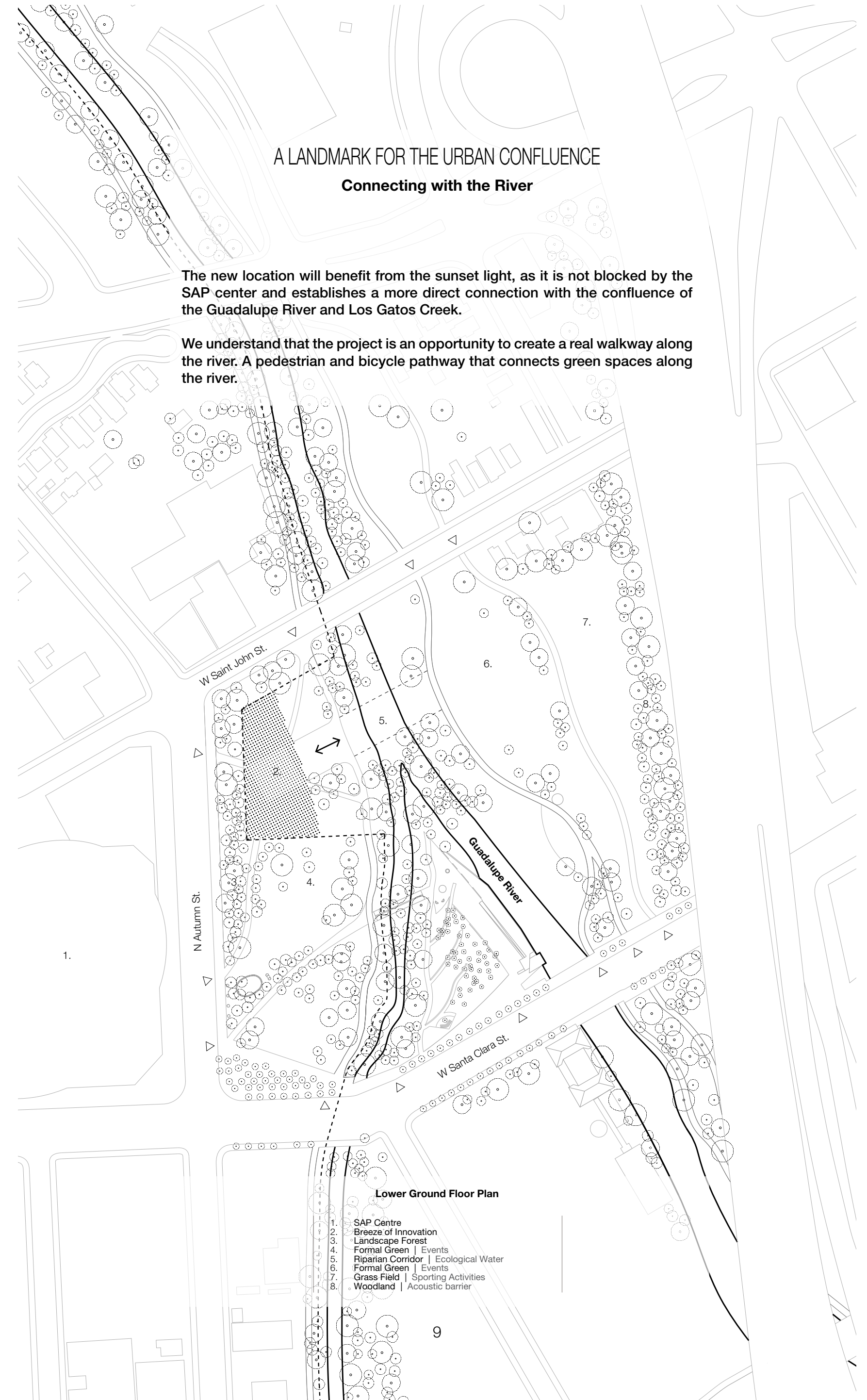
**What if the new landmark is the beginning of something much bigger?**

Can you imagine a walk through the whole river? A walk that not only recovers the river for the park but for the city. A walk that links and recovers the memory of Guadalupe River for pedestrians and bikers.

A LANDMARK FOR THE URBAN CONFLUENCE  
**Connecting with the River**

The new location will benefit from the sunset light, as it is not blocked by the SAP center and establishes a more direct connection with the confluence of the Guadalupe River and Los Gatos Creek.

We understand that the project is an opportunity to create a real walkway along the river. A pedestrian and bicycle pathway that connects green spaces along the river.



**Lower Ground Floor Plan**

1. SAP Centre
2. Breeze of Innovation
3. Landscape Forest
4. Formal Green | Events
5. Riparian Corridor | Ecological Water
6. Formal Green | Events
7. Grass Field | Sporting Activities
8. Woodland | Acoustic barrier

A LANDMARK FOR THE URBAN CONFLUENCE  
Connecting with the Arena East



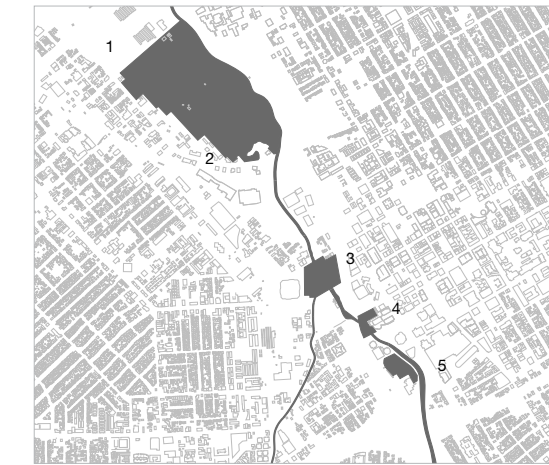
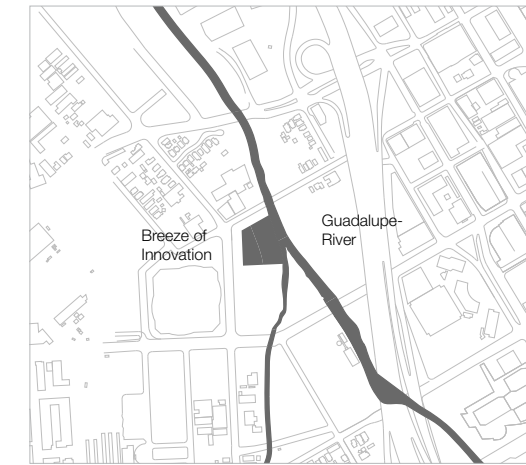
**The Bridge**

Visualization showing the possible connection of the project with Arena East through a bridge.  
(\* The bridge is not part of the main proposal, it is just an idea to the choice of the City of San Jose)

A LANDMARK FOR THE URBAN CONFLUENCE  
Connecting with the Arena East

**What if the new landmark is the beginning of something much bigger?**

A walk that links and recovers the memory of Guadalupe River for pedestrians and bikers.

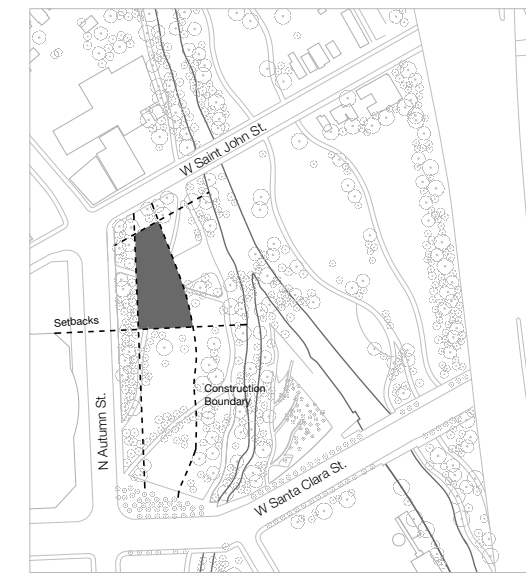


**A green space connector**

1. Columbus Park
2. Guadalupe River Park
3. Arena Green
4. John P. McEnery Park
5. Discovery Meadow

**Footprint**

The building's footprint starts from River Setbacks to the East, W Saint John St to the North, and Autumn St to the West.



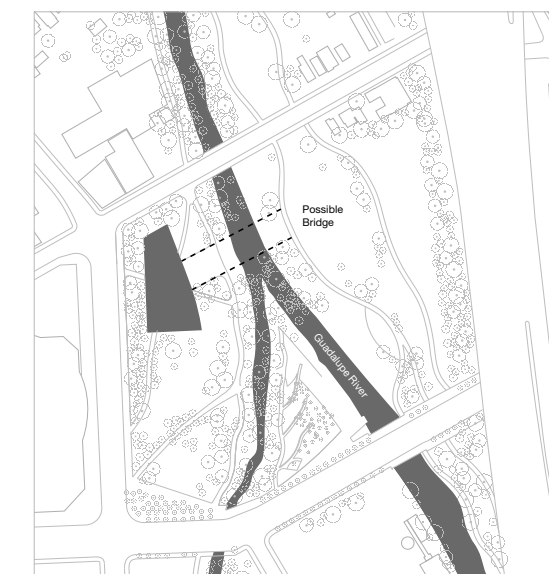
**Bands**

The landscape strategy contemplates a series of bands that are diluted, recovering the memory of the park: the forest, and the river. The proposed structure is related to all of them.

1. SAP Centre
2. Breeze of Innovation
3. Landscape Forest
4. Formal Green Events
5. Riparian Corridor Ecological Water
6. Formal Green Events
7. Grass Field Sporting Activities
8. Woodland Acoustic barrier

**Landscape Plaza**

To recover the river for the park and activate a comfortable area full of possibilities, a landscaped plaza is proposed in front of the building.



**Bridge**

A potential bridge will solve the current disconnection between Arena Green West and East\*.

(\* This bridge is just an idea to the choice of the City of San Jose. The project works, both with the topographical park and with the bridge.)

To enhance the connection with the river, the project gently modifies the topography to generate a plaza to the East, which can be activated in different ways for outdoor cafe, events, concerts, exhibitions.

One possibility to develop this idea in the future \* would be to continue this plaza with a bridge (designed with a permeable structure, so that the riverside vegetation can continue to grow) This Bridge will solve the current disconnection between Arena Green West and East.

PARK ACTIVATION  
Connecting with the River

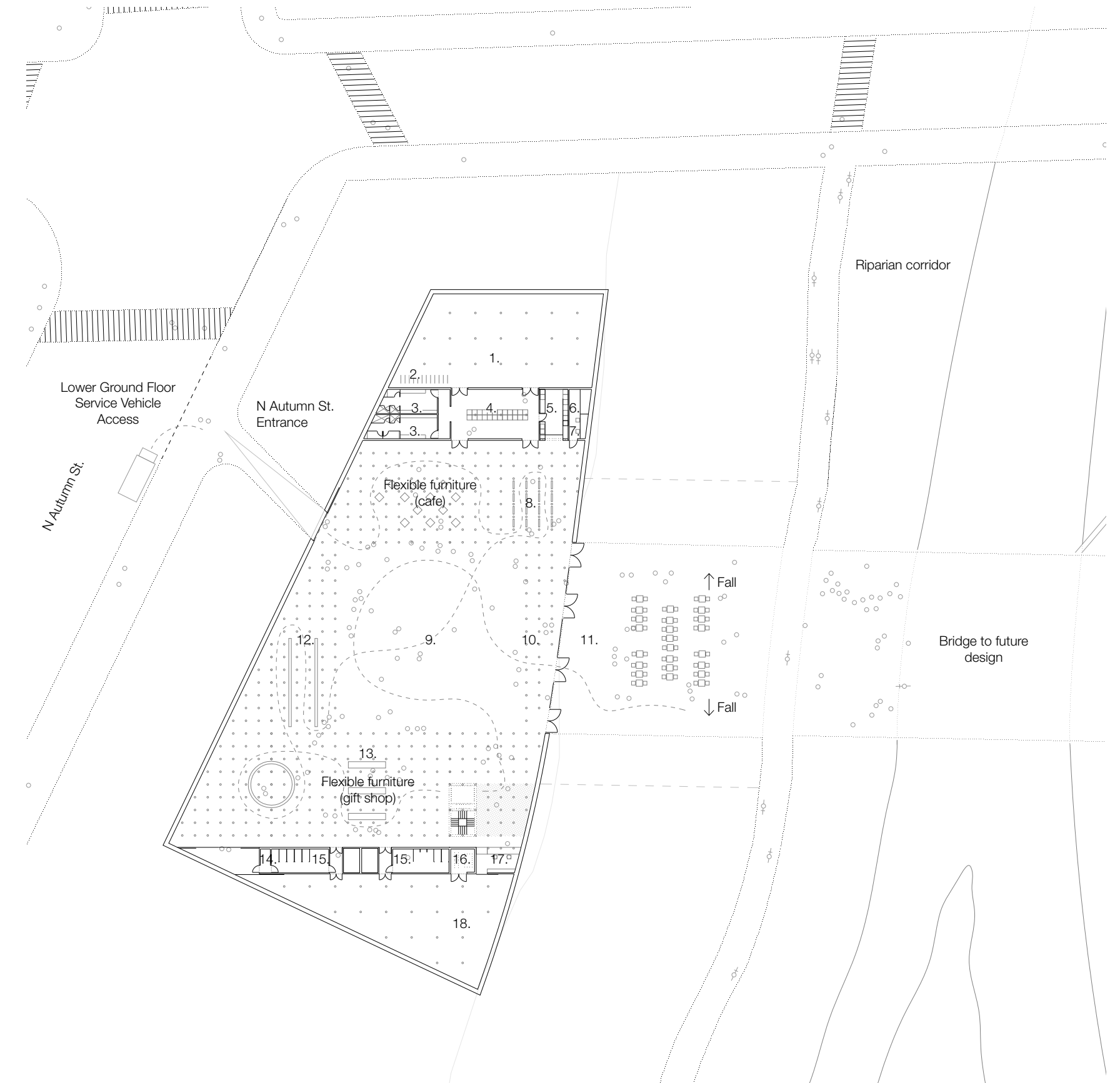
To recover the river for the park and activate a comfortable area full of possibilities, a landscaped plaza is proposed in front of the building. To enhance the connection with the river, the project gently modifies the topography to generate a plaza to the East, which can be activated in different ways for outdoor cafe, events, concerts, exhibitions.



- 1 Outdoor Seating Area | Events
- 3 Outdoor Cafe
- 5 Lighting Festival

- 2 Connecting Device
- 4 Performances | Outdoor Night Events
- 6 Void Performance Space

PARK ACTIVATION  
Connecting with the River



Lower Ground Floor Plan

1	Plant Room	2615 ft <sup>2</sup>	7	Security	65 ft <sup>2</sup>	13	Forest Exhibition Space South	5755 ft <sup>2</sup>
2	Staff Bicycle Storage		8	Forest Exhibition Space North	3650 ft <sup>2</sup>	14	Cleaner's Room	35 ft <sup>2</sup>
3	Staff WCs & Changing Rooms	535 ft <sup>2</sup>	9	Void Exhibition Space	5450 ft <sup>2</sup>	15	Public Restrooms	635 ft <sup>2</sup>
4	Staff Room / Green Room	640 ft <sup>2</sup>	10	Confluence Entry	920 ft <sup>2</sup>	16	Elevator Machine Room	80 ft <sup>2</sup>
5	Staff Kitchen	205 ft <sup>2</sup>	11	Confluence Plaza	6035 ft <sup>2</sup>	17	Information Desk	155 ft <sup>2</sup>
6	IT	75 ft <sup>2</sup>	12	Forest Exhibition Space West	1925 ft <sup>2</sup>	18	Storage	2610 ft <sup>2</sup>

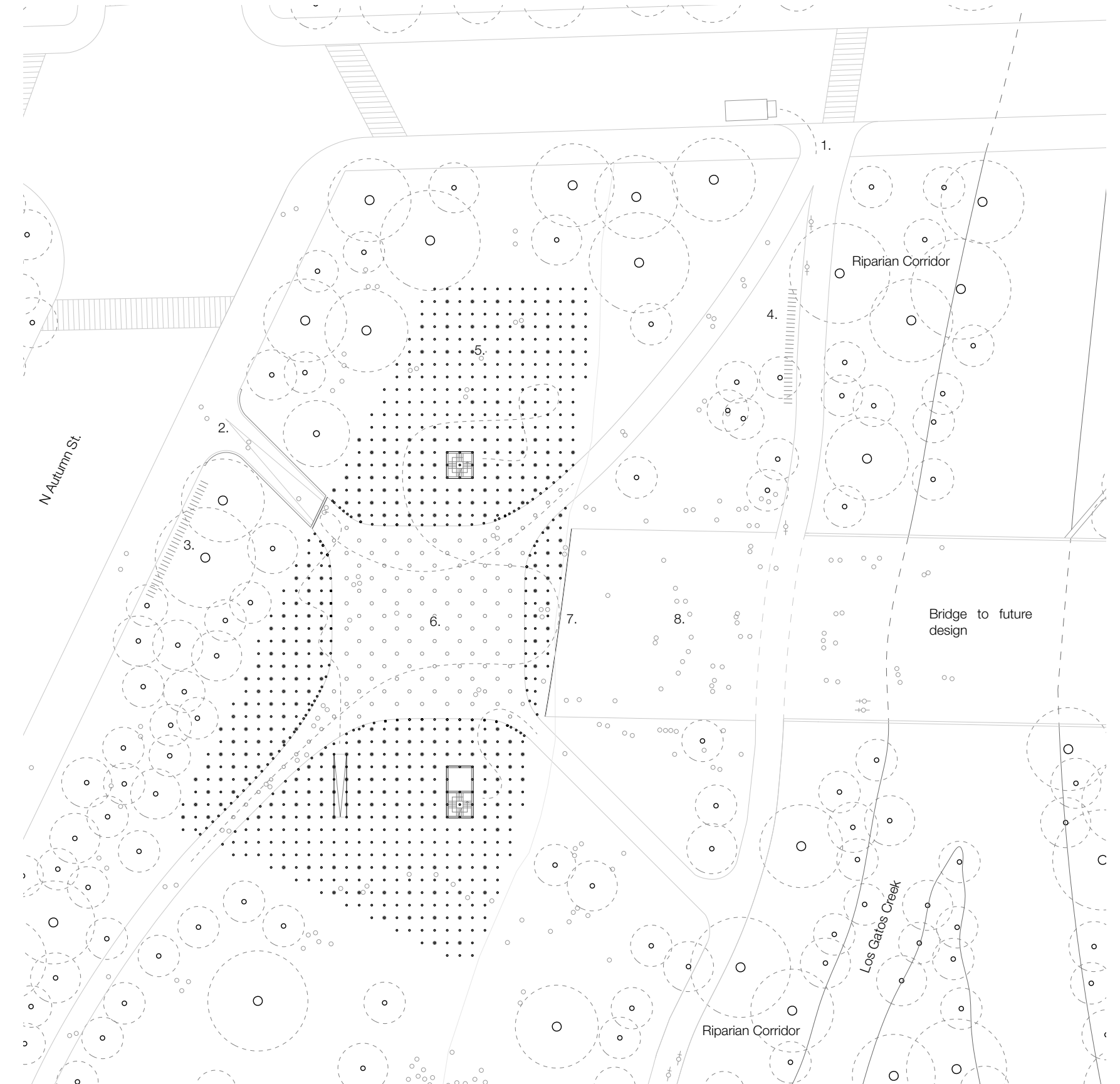
A LANDMARK FOR ARENA GREEN  
**Connecting with the Park**



**The Park**

The intention is that the project, on the one hand, becomes a Landmark that serves as a reference and activates the space that surrounds it and, on the other hand, it dissolves in the park connecting with the paths that converge in the central space, which will host events and exhibitions.

A LANDMARK FOR ARENA GREEN  
**Connecting with the Park**



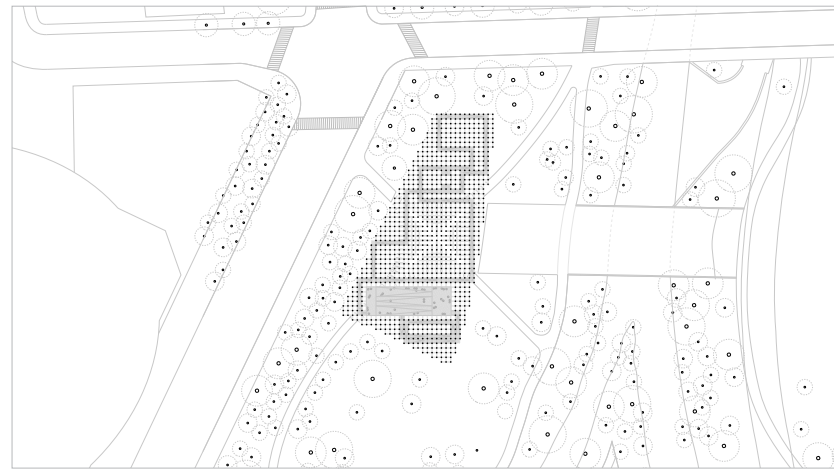
**Ground Floor Plan**

1	Ground Floor Service Vehicle Access	5	Forest of Light Exhibition Space	18577 ft <sup>2</sup>
2	North Autumn Street Entrance	6	Tower of Light Exhibition Space	5700 ft <sup>2</sup>
3	Bicycle Parking	7	Confluence Entrance	
4	Bicycle Parking	8	Plaza & Connection to Future Bridge	

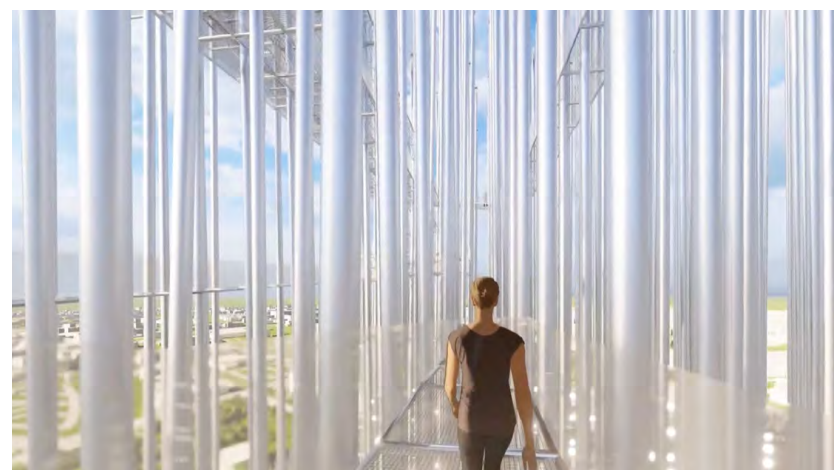
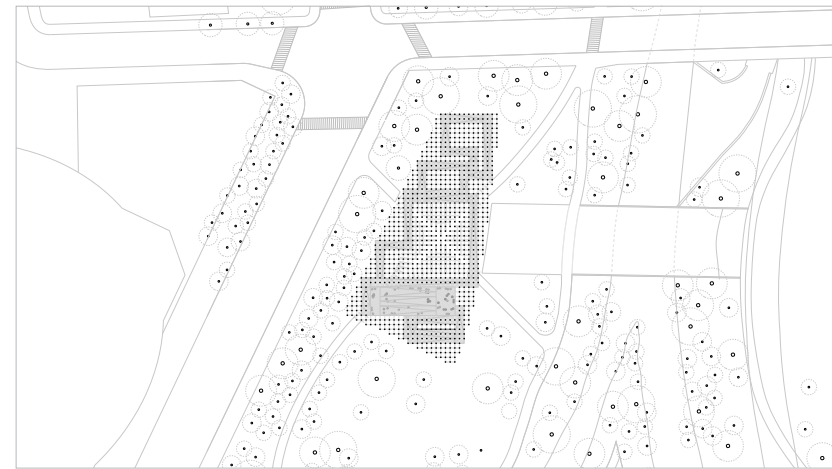


EXPERIENCING THE WALKWAY  
Connecting with the Valley

Walkway Option A  
5 feet width (with wide landings every 100-200 ft)



Walkway Option B\*  
10 feet width



**The Walkway**

Visitors can experience the walkway ride in a number of ways, leisurely or jogging, while taking in views of the valley on their way to the top.

(\*) In case it is necessary for social distancing

EXPERIENCING THE WALKWAY  
Connecting with the Valley



Observatory Deck Floor Plan

- |   |                                     |   |                                  |
|---|-------------------------------------|---|----------------------------------|
| 1 | Ground Floor Service Vehicle Access | 4 | Forest of Light Exhibition Space |
| 2 | North Autumn Street Entrance        | 5 | Tower of Light Exhibition Space  |
| 3 | Plaza & Connection to Future Bridge | 6 | Confluence Entrance              |

A LANDMARK FOR SAN JOSE  
**Connecting with the City**



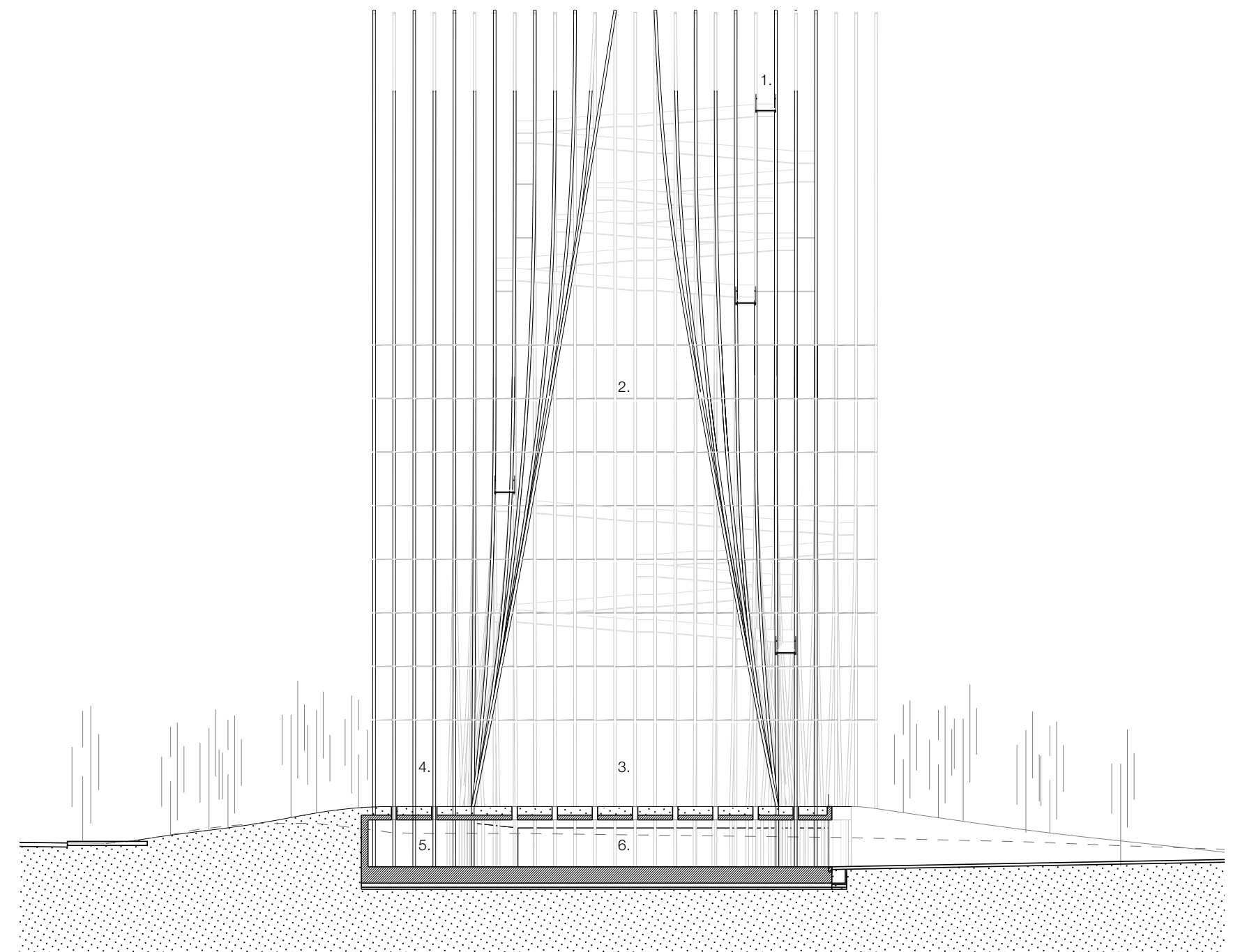
**A landmark for the City**

Breeze is visible from all angles of the city, where you can see the spectacle of watching visitors walking the ramps to the top.

A LANDMARK FOR SAN JOSE  
**Connecting with the City**

In 1881 San Jose pioneered design with “The Electric Light Tower” (SJELT), the first technological icon of the World that later inspired the Eiffel Tower, built in 1889.

The large central space has the same dimensions as the original tower, celebrating its rebirth as a space of light.



**Long Section**

- |   |                                 |   |                                  |
|---|---------------------------------|---|----------------------------------|
| 1 | Walkway                         | 4 | Forest of Light Exhibition Space |
| 2 | Void                            | 5 | Donor Recognition Space          |
| 3 | Tower of Light Exhibition Space | 6 | Void Exhibition Space            |

## A DAYLIGHT LANDMARK Connecting with the Environment

The objective of the project is twofold, on the one hand the tower aims to generate unique experiences at night, thanks to the lighting systems developed, but on the other hand, and because experience tells us that these types of structures are more enjoyed during the day, we have tried to develop a new and fresh silhouette, that sways in the breeze, that works as an important attraction during the day.

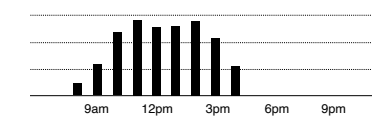


1 South Elevation  
Afternoon Sun | Southwest Wind  
3 South Elevation  
Late Evening Sun | Southwest Wind

2 East Elevation  
Evening Sun | No Wind  
4 East Elevation  
Night | No Wind

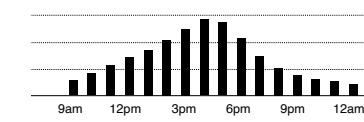
## A DAYLIGHT LANDMARK Connecting with the Environment

After an analysis of the influx of visitors to the most iconic structures in the world, the data tells us that they receive 90% of the visitors during the day. The project design is intended to take full advantage of the changing light and the soundscape that is produced when the rods move in the breeze.



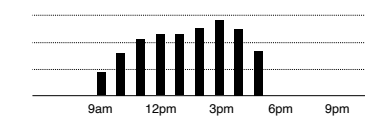
GIZA

Giza, Egypt  
Busiest time: 11 A.M



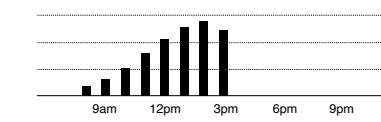
EIFFEL TOWER

Paris, France  
Busiest time: 4 P.M



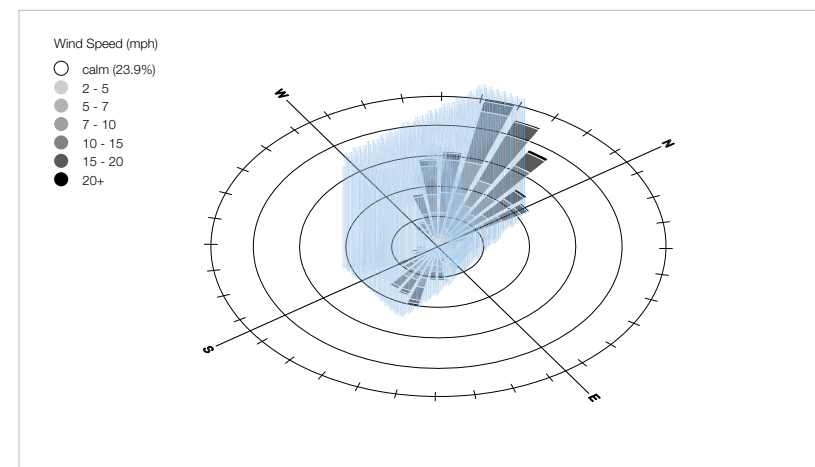
GATEWAY

St. Louis, United States  
Busiest time: 3 P.M



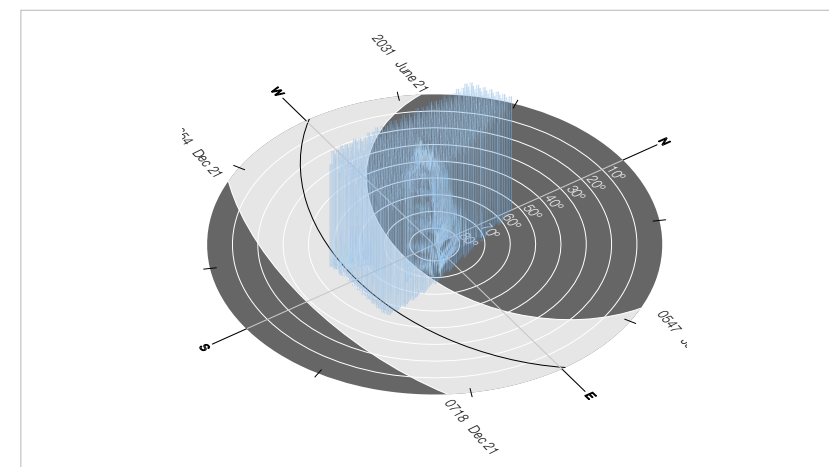
STATUE OF LIBERTY

New York, United States  
Busiest time: 2 P.M



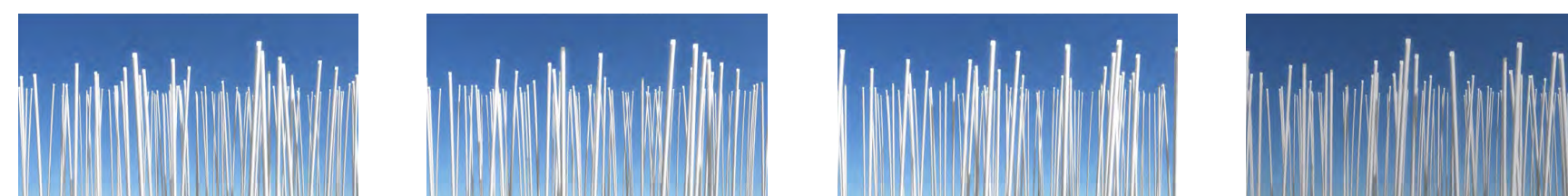
Wind

Breeze enjoys the prevailing northwest wind, its structural design allows controlling the deflection of the rods, enough so that it is perceived as they swing gently with the wind.



Sun

The design of Breeze, its orientation and the density of the rods, is thought, in addition to obtaining an optimal light structure, to generate light and shadow effects during the day.

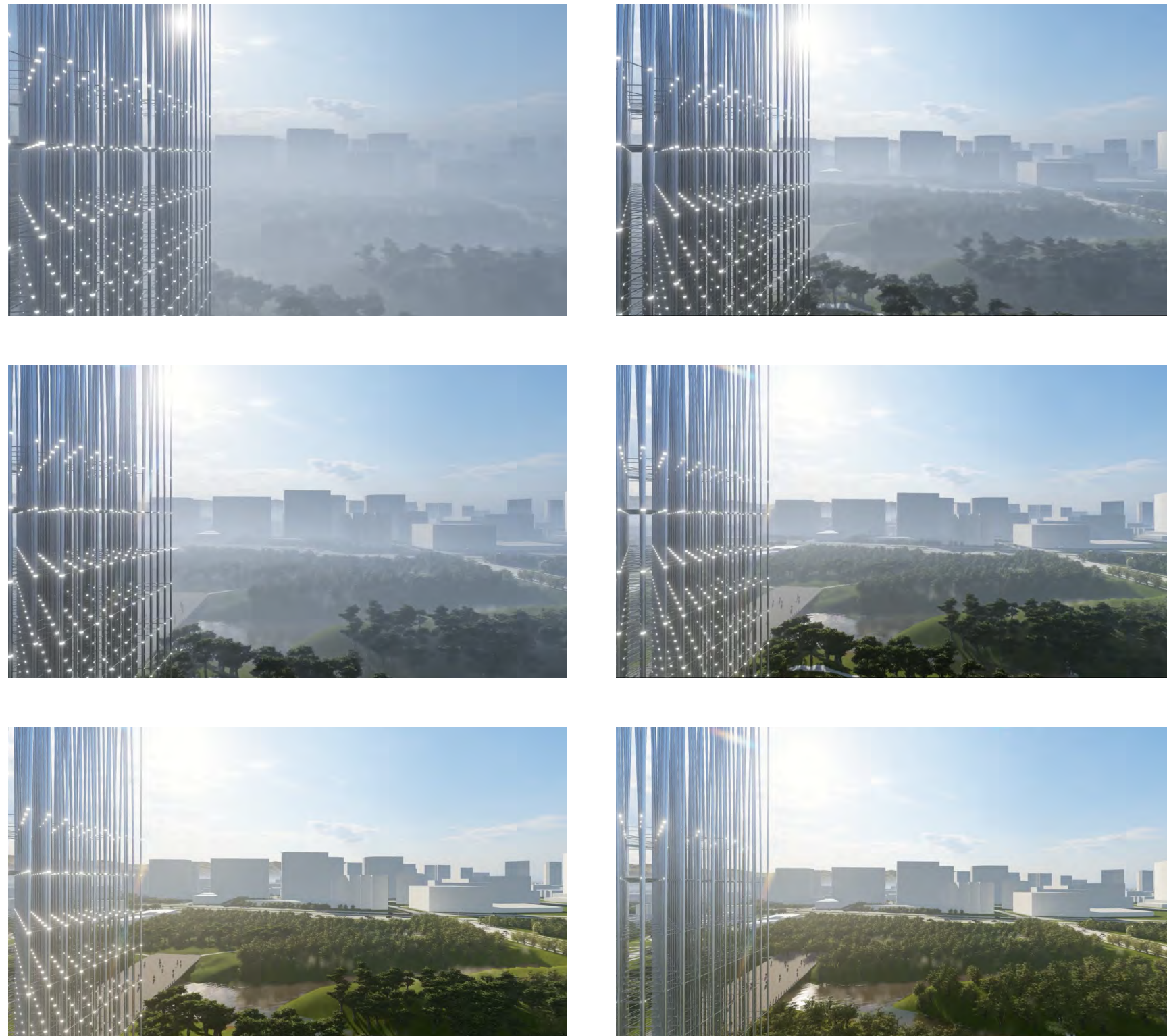


The Rods

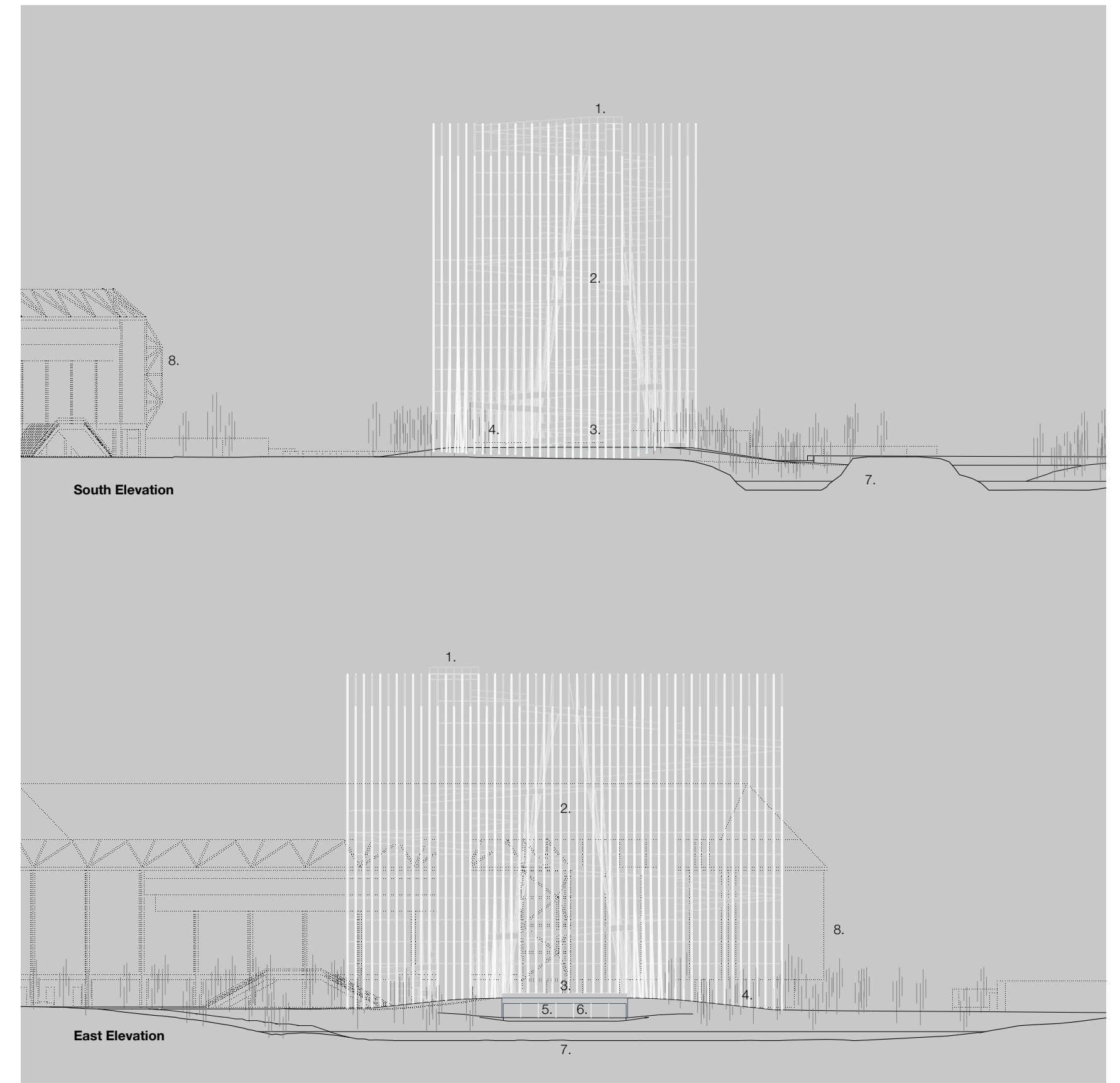
The Breeze of Innovation structure is intended to flex slightly in the wind, creating a dramatic visual effect for visitors to experience and enjoy. The movement of the vertical pipe structure is controlled by biasing the shape and orientation of the pipes of the structure to intentionally control their movement..

MERGING WITH CONTEXT  
**Connecting with the Environment**

The project design is intended to take full advantage of the changing light and its materiality reflects the colors of the environment.



MERGING WITH CONTEXT  
**Connecting with the Environment**



- |   |                                  |   |                         |
|---|----------------------------------|---|-------------------------|
| 1 | Viewing platform                 | 5 | Donor Recognition Space |
| 2 | Void                             | 6 | Void Exhibition Space   |
| 3 | Tower of Light Exhibition Space  | 7 | Guadalupe River         |
| 4 | Forest of Light Exhibition Space | 8 | SAP Arena               |

A LANDMARK FOR THE CITY  
**Connecting with the Neighborhood**

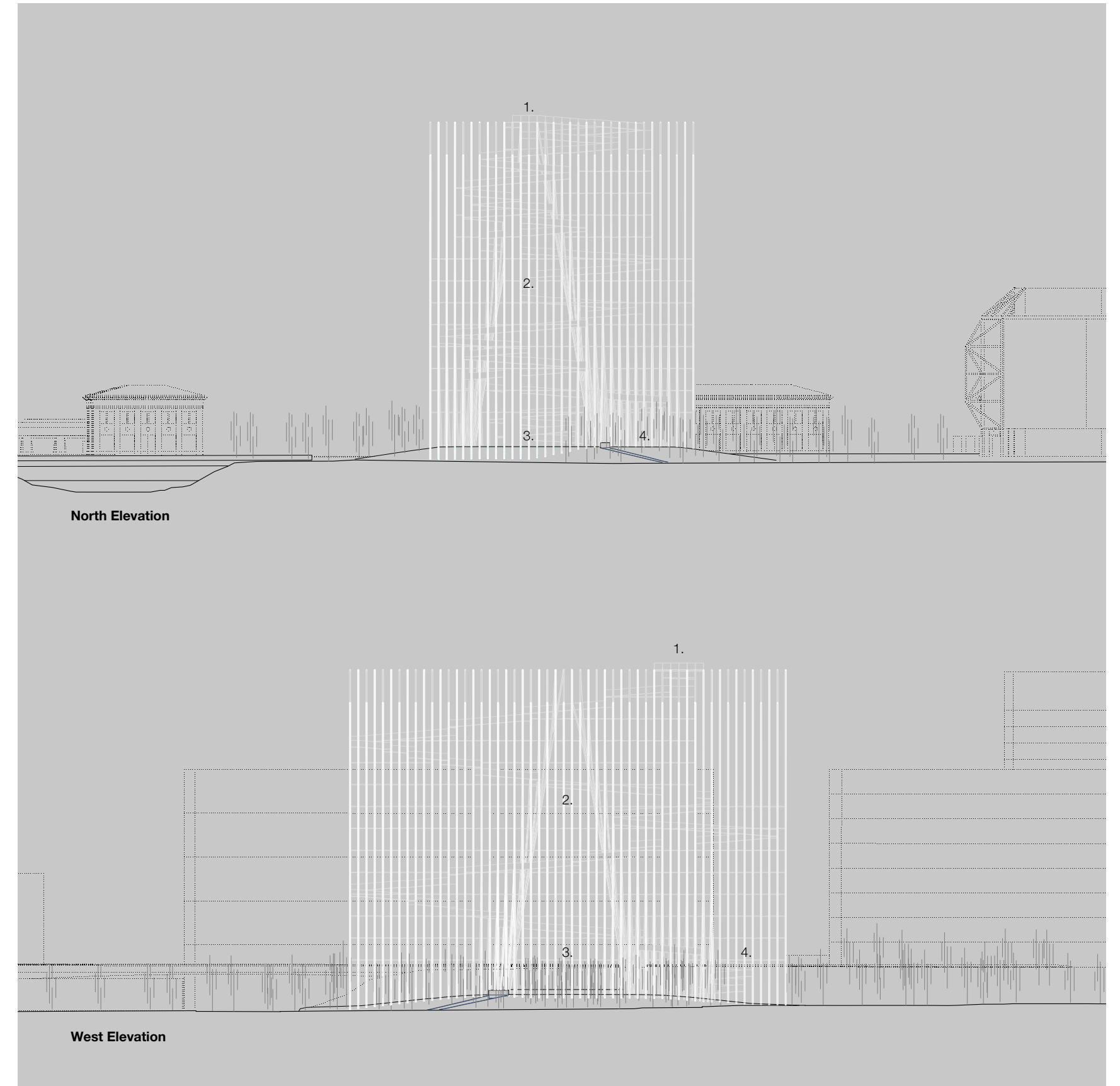
Breeze's fresh and iconic presence is visible from every angle when you approach San Jose. The light density of the rods, the swaying of the wind, and the void inside as a tribute to the original Electric Light Tower make Breeze, an iconic and recognizable silhouette when one approaches San José.



- 1 View from N Autumn St
- 2 View from San Jose CBD

- 3 Aerial View
- 4 View from W Santa Clara St

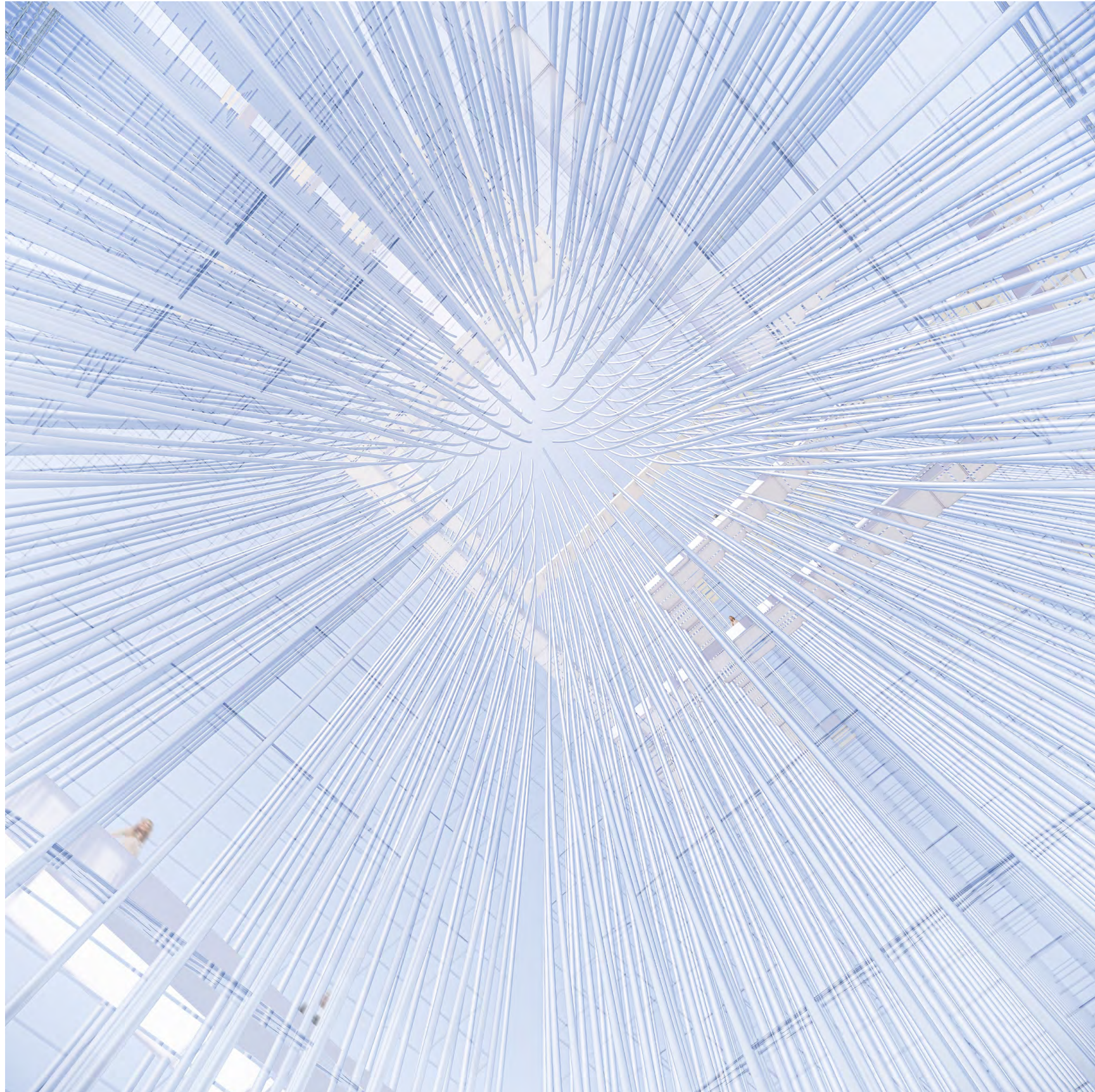
A LANDMARK FOR THE CITY  
**Connecting with the Neighborhood**



- 1 Viewing platform
- 2 Void

- 3 Tower of Light Exhibition Space
- 4 Forest of Light Exhibition Space

A TRIBUTE TO SJELT  
**Connecting with Memory**

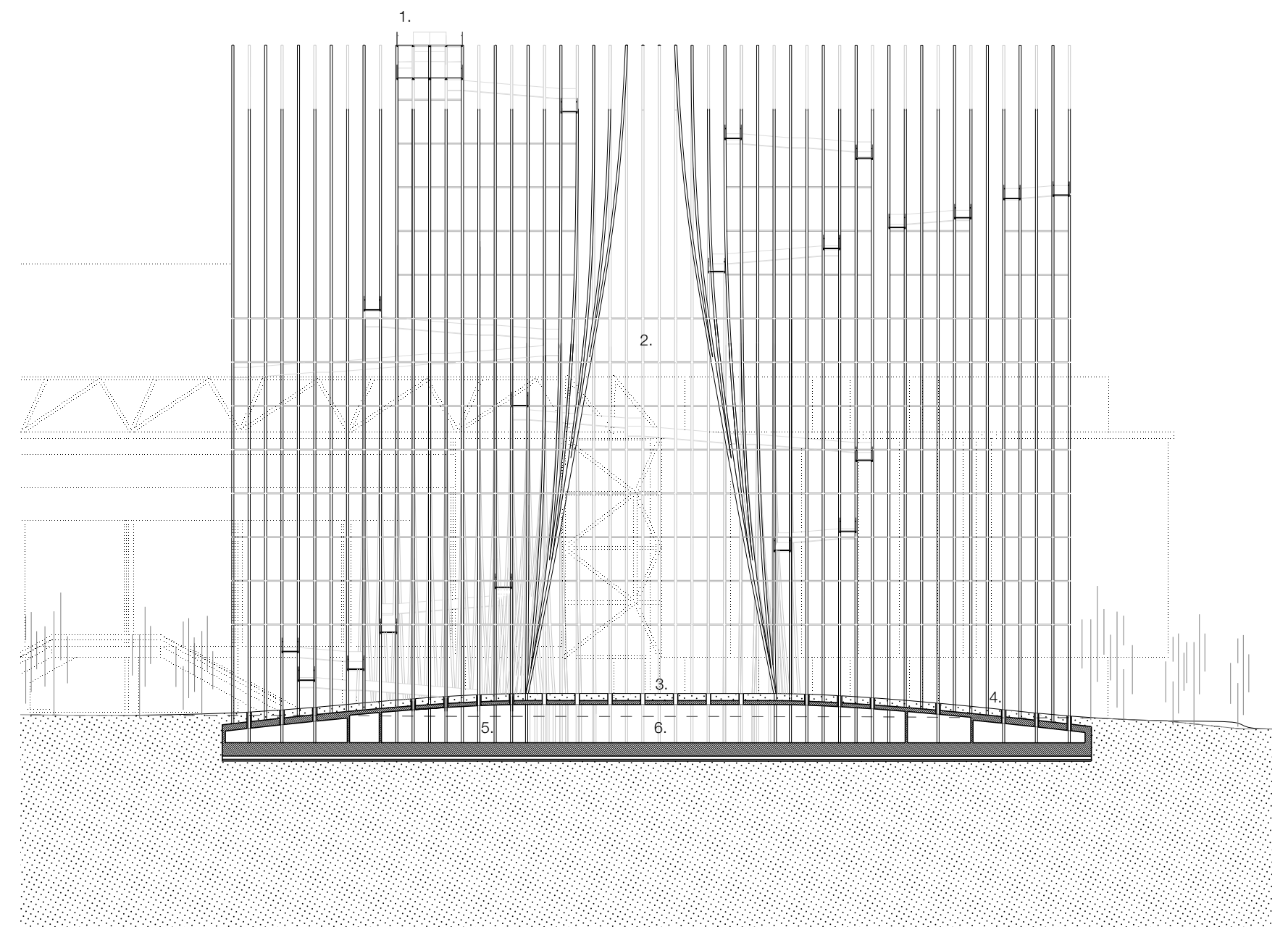


**The Void**

View towards the interior of the light tower from the large central space.

A TRIBUTE TO SJELT  
**Connecting with Memory**

In 1881 San Jose pioneered design with “The Electric Light Tower” (SJELT), the first technological Icon of the World that later inspired the Eiffel Tower, built in 1889. The shape of the SJELT inspires a pyramidal void based on the 75 x 200 foot dimensions of the original SJELT, to celebrate this unique moment in San José’s history in the collective memory.

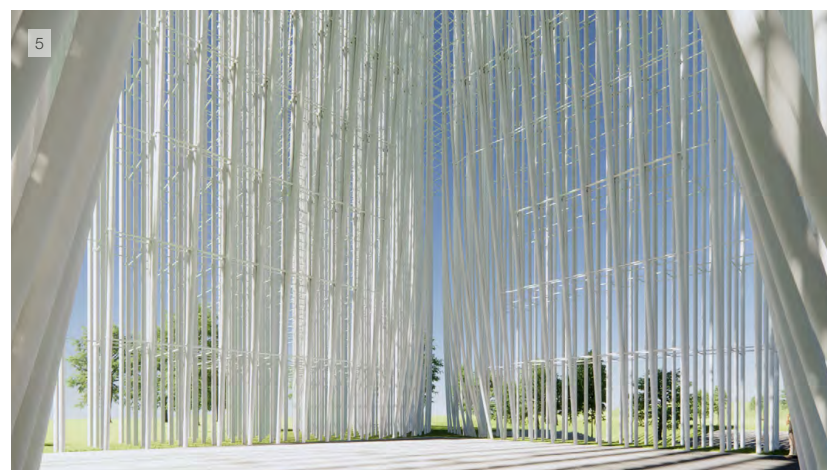
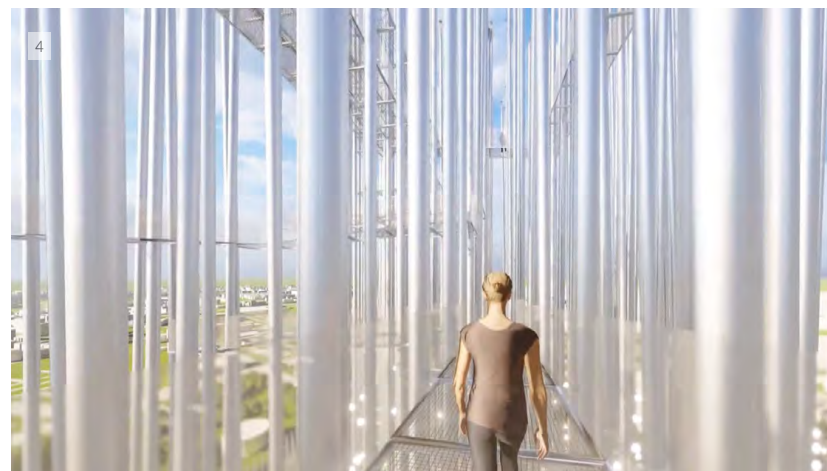


**Long Section**

- |   |                                 |   |                                  |
|---|---------------------------------|---|----------------------------------|
| 1 | Viewing platform                | 4 | Forest of Light Exhibition Space |
| 2 | Void                            | 5 | Donor Recognition Space          |
| 3 | Tower of Light Exhibition Space | 6 | Void Exhibition Space            |

THE EXPERIENCE  
Connecting with 5 Senses

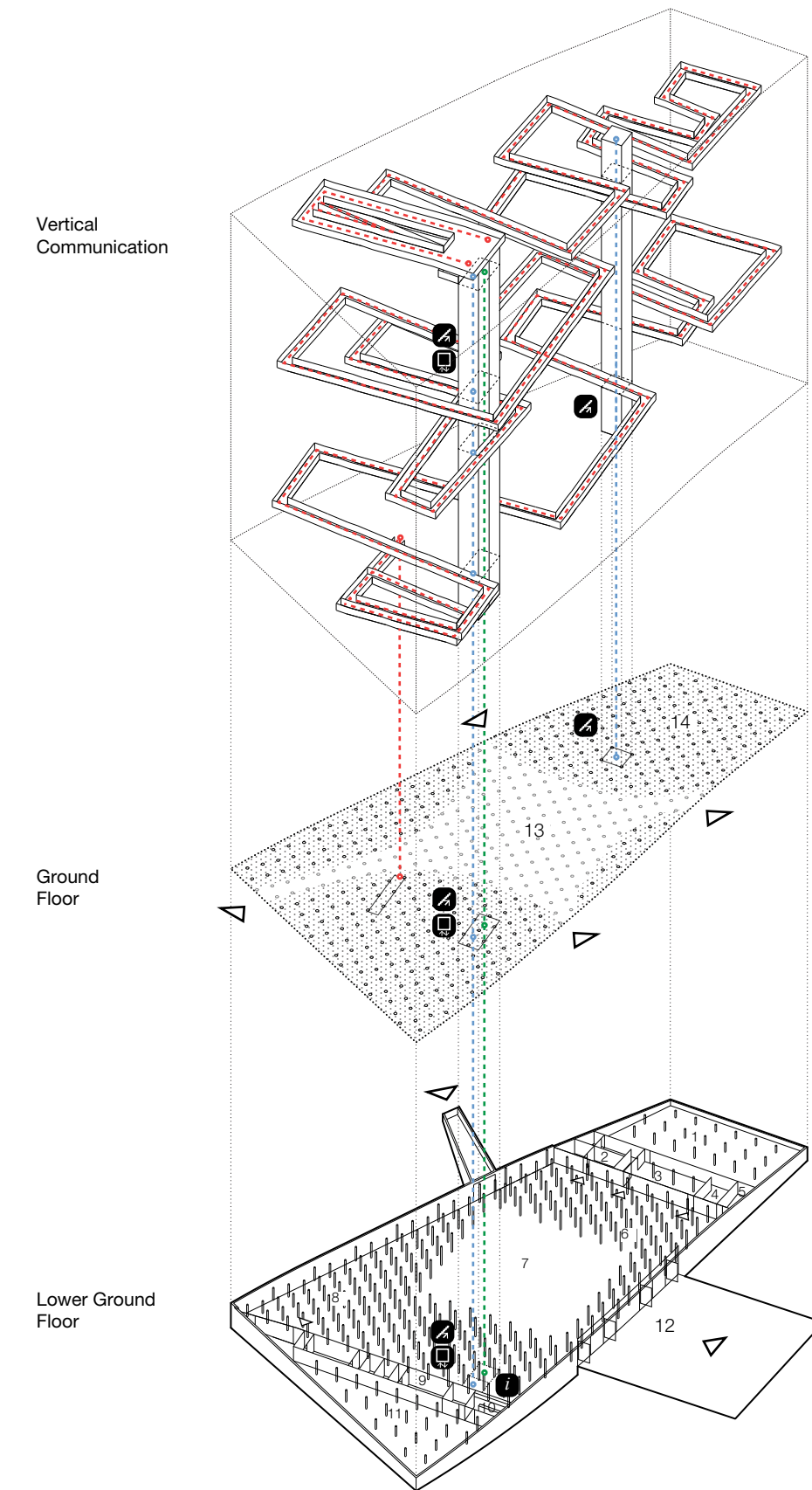
The fact that the rods have a subtle flexibility in their upper part and sway with the wind, makes the experience involve the 5 senses, perceiving the sounds of the breeze and the rods swaying.



Breeze offers a journey of discovery as the tower is traversed from the bottom up, the foundations are unveiled to reveal galleries full of possibilities, the large central space, the walkways, which offer different views of the valley and the spectacular landscape of light when it reaches the top.

- 1 | 2 Observatory Deck Experience
- 3 | 4 Ramp Experience
- 5 Donor's Gallery Experience
- 6 Ground Floor Experience

THE EXPERIENCE  
Connecting with 5 Senses



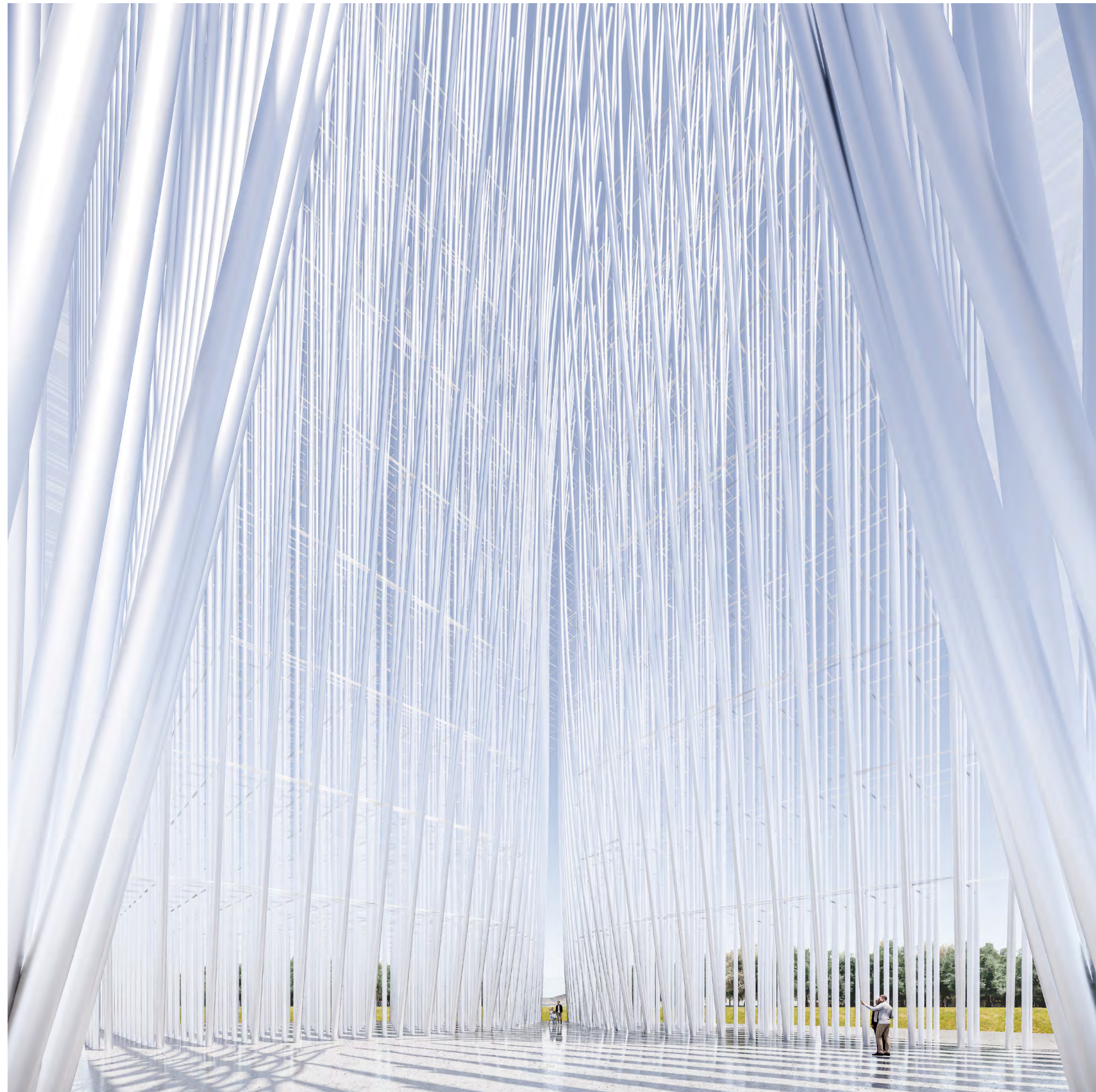
- 1 Storage
- 2 Staff facilities
- 3 Staff break-out / green room
- 4 Staff kitchenette
- 5 IT & Security

**Axonometric**

- 6 Indoor cafe
- 7 Void Exhibition space
- 8 Donor Recognition Space
- 9 Public facilities
- 10 Front desk / information

- 11 Storage
- 12 Outdoor cafe
- 13 Tower of Light Exhibition Space
- 14 Forest of Light Exhibition Space

TOWER OF LIGHT  
Connecting with San Jose



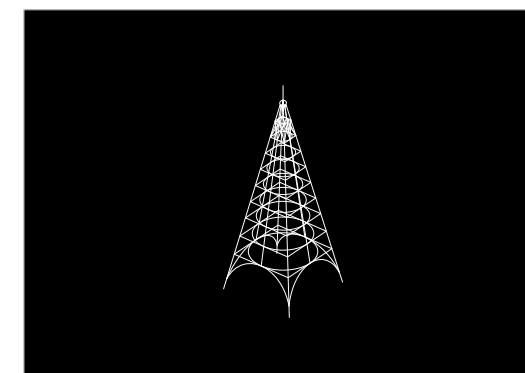
Interior view of the central light space as a tribute to SJELT.

TOWER OF LIGHT  
Connecting with San Jose

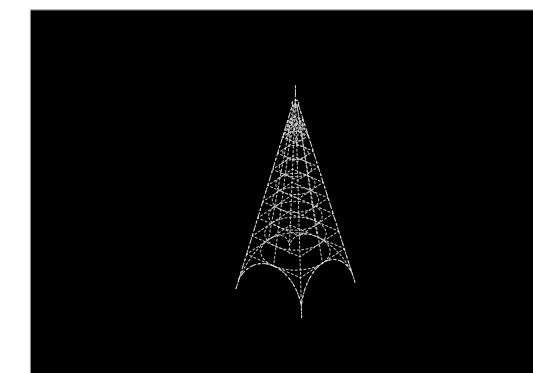
The San Jose Electric Light Tower (**SJELT**) comes to life inside the new Tower just like a void of light. Like the Eiffel Tower, SJELT represented the construction techniques of the second industrial revolution.

The question is, would it make sense to embed the old SJELT structure into the new one, given 21st century technology, particularly in Silicon Valley is characterised by digital technologies being invisible.

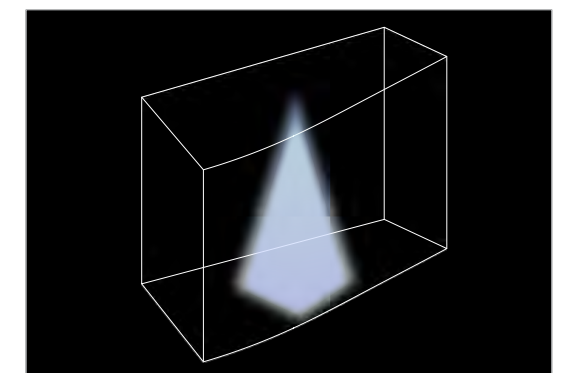
What better way to celebrate the rebirth of the old Light Tower than as a space of light?



2nd Industrial Revolution  
Material Past



Dematerialization



5th Industrial Revolution  
Immaterial Future



Views of the dematerialization of the central light space at different times of the day.



AN IMMERSIVE EXPERIENCE  
Connecting with each other

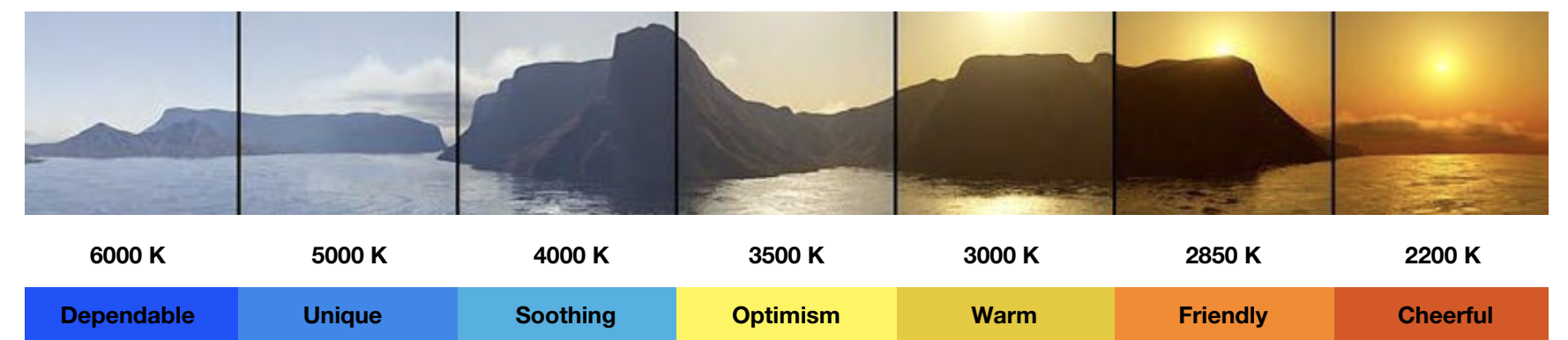


Interior view of the central light space illuminated with a 3000K warm light.

AN IMMERSIVE EXPERIENCE  
Connecting with each other

**COVID-19 has forced us into social distancing, isolation and quarantine.** These conditions are likely fostering widespread anxiety and loneliness in our cities. However, they've also made the need for socially connected, vibrant public spaces obvious to all. After 2020 if one thing has become clear is that **we can connect digitally, but we are alone if we don't connect physically with others, with our community.**

**It's important** to tackle negative emotional climates with strategies **to reconnect communities in a positive way.** We didn't want to **design** an experience that could be achieved through VR, but **an intimate space that enhances the physical connection with others through light.** For this, we have designed the central space of Breeze of Innovation, to generate an experience that during the day enjoys the light effects between the rods as light changes **and in the evening, it can be illuminated according to circadian rhythms.**



Exterior views of the central light space with different color temperatures.

DONOR'S GALLERIES  
Connecting with the Roots

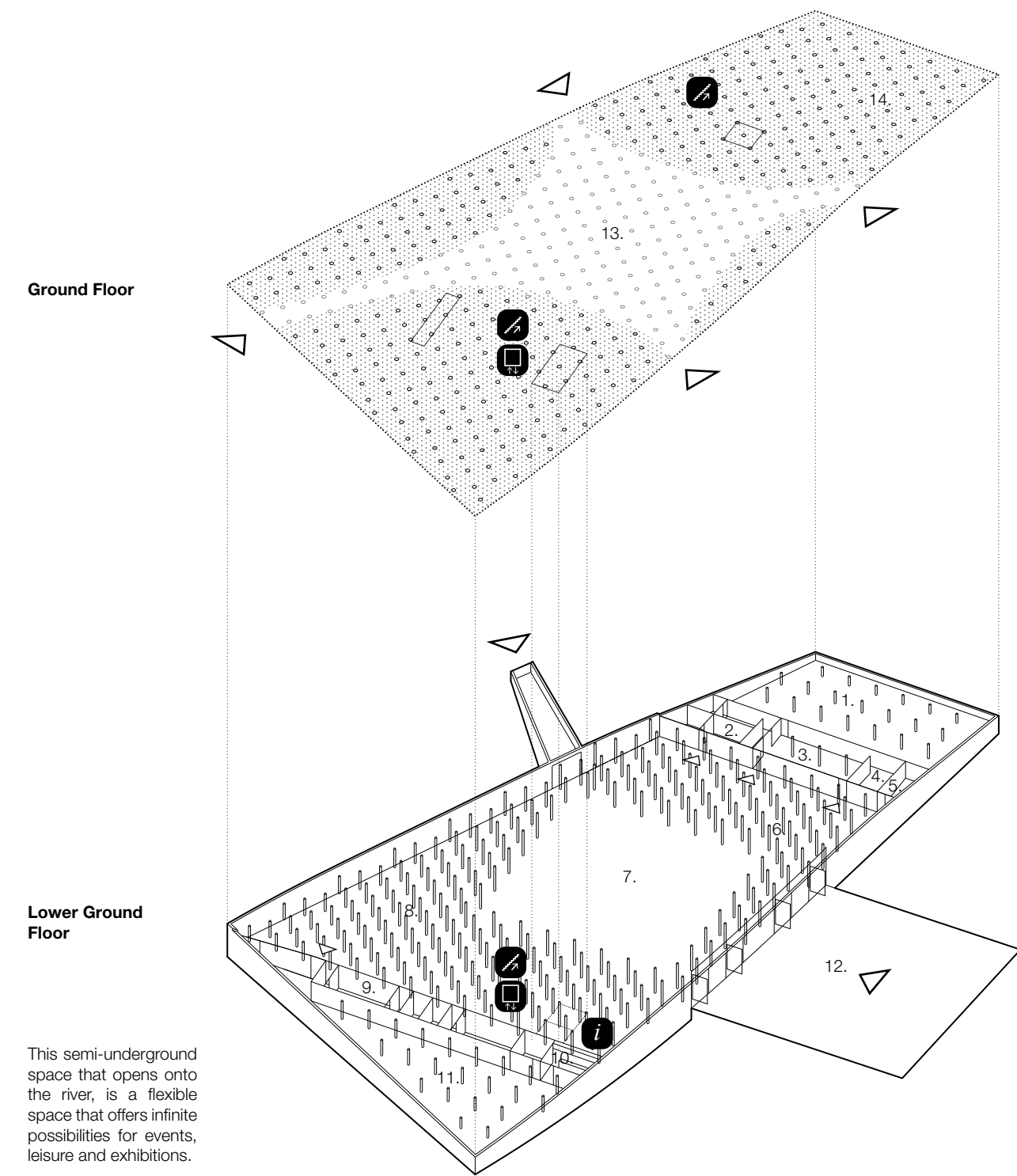


Donr's Gallery

We found it interesting to reflect the experience of the tower downwards, making the foundation space habitable. If the rods, visible from the outside, represent the companies and people who work in Silicon Valley, what better place to pay tribute to those who with their efforts make this structure possible, than the foundations on which the building is supported.

DONOR'S GALLERIES  
Connecting with the Roots

We found it interesting to reflect the experience of the tower downwards, making the foundation space habitable. If the rods, visible from the outside, represent the companies and people who work in Silicon Valley, what better place to pay tribute to those who with their efforts make this structure possible, than the foundations on which the building is supported.



This semi-underground space that opens onto the river, is a flexible space that offers infinite possibilities for events, leisure and exhibitions.

Axometric

- |   |                              |    |                          |    |                                  |
|---|------------------------------|----|--------------------------|----|----------------------------------|
| 1 | Storage                      | 6  | Indoor cafe              | 11 | Storage                          |
| 2 | Staff facilities             | 7  | Void Exhibition space    | 12 | Outdoor cafe                     |
| 3 | Staff break-out / green room | 8  | Donor Recognition Space  | 13 | Tower of Light Exhibition Space  |
| 4 | Staff kitchenette            | 9  | Public facilities        | 14 | Forest of Light Exhibition Space |
| 5 | IT & Security                | 10 | Front desk / information |    |                                  |

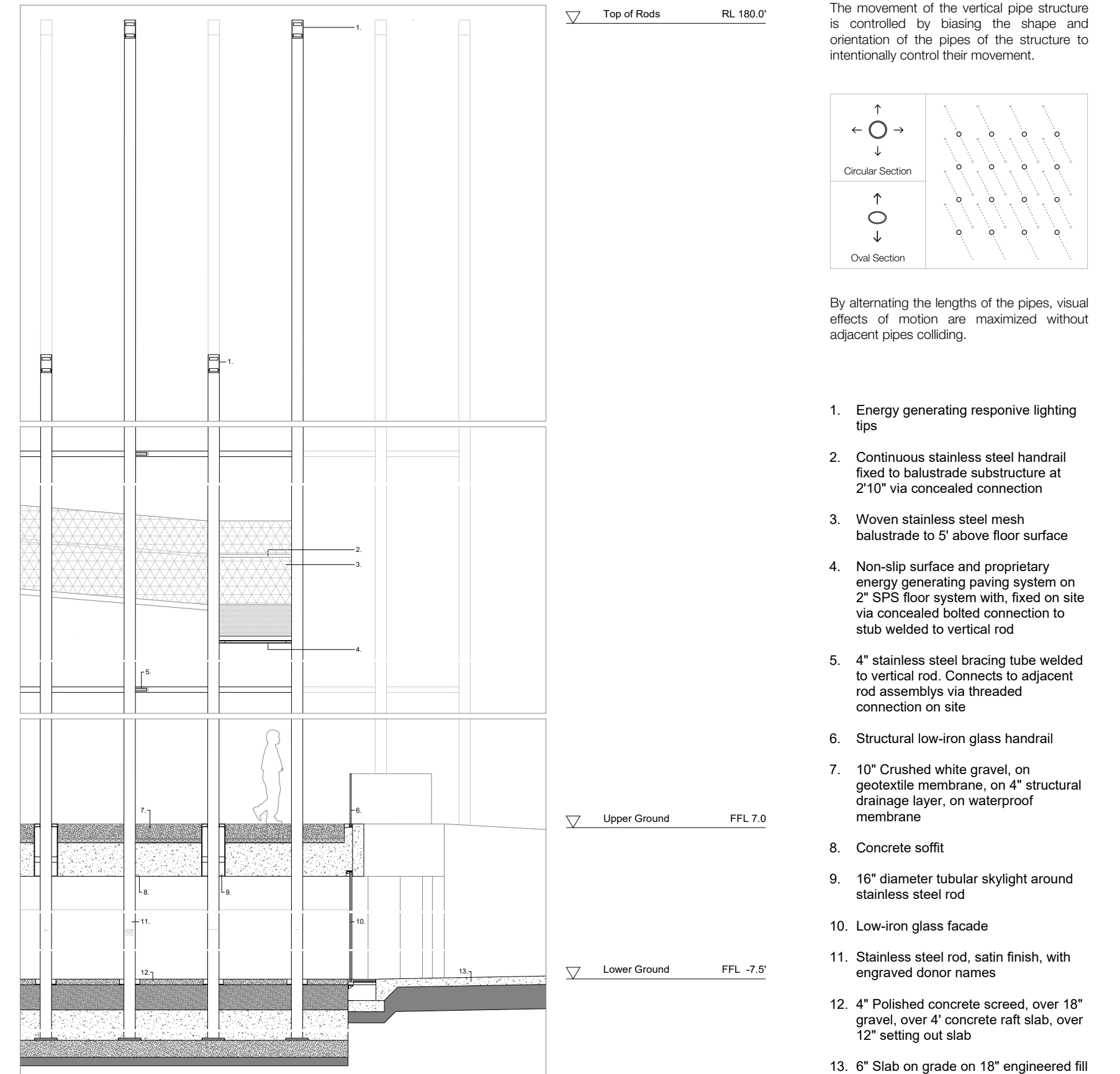
MAGIC WANDS  
Connecting with Silicon Valley



Connection

From the beginning, Silicon Valley amazes the world every day by creating technologies so advanced that, in the words of Arthur Clarke, they are indistinguishable from magic.

MAGIC WANDS  
Connecting with Silicon Valley



Constructive Section

The Breeze of Innovation structure is intended to flex slightly in the wind, creating a dramatic visual effect for visitors to experience and enjoy. The movement of the vertical pipe structure is controlled by biasing the shape and orientation of the pipes of the structure to intentionally control their movement.

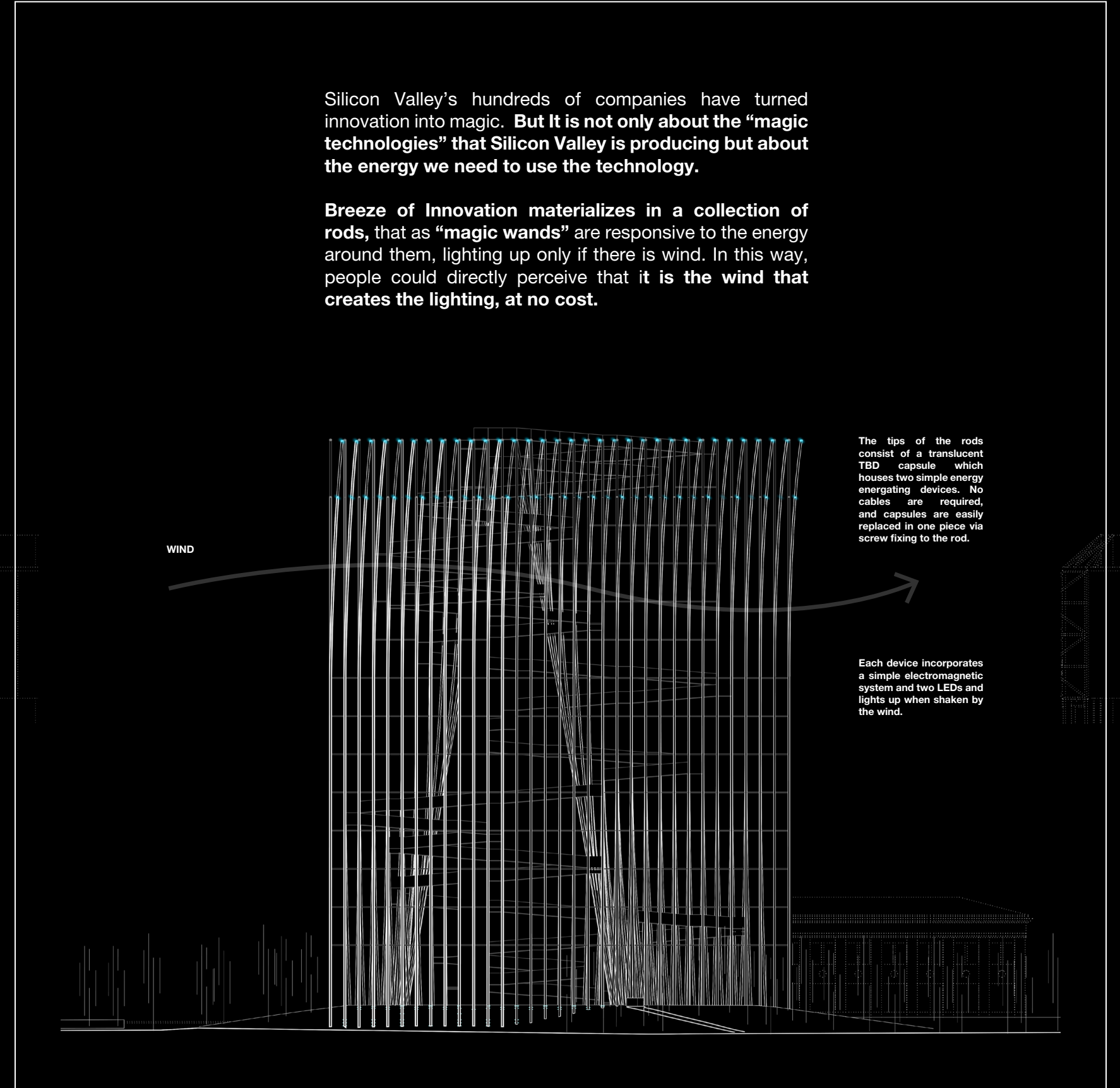
MAGIC WANDS  
Responsive Energy



Observation Deck

View of the upper part of Breeze of Innovation, with the observation deck, above the rods illuminated by the wind.

MAGIC WANDS  
Responsive Energy



Silicon Valley's hundreds of companies have turned innovation into magic. **But It is not only about the "magic technologies" that Silicon Valley is producing but about the energy we need to use the technology.**

**Breeze of Innovation materializes in a collection of rods, that as "magic wands" are responsive to the energy around them, lighting up only if there is wind. In this way, people could directly perceive that it is the wind that creates the lighting, at no cost.**

The tips of the rods consist of a translucent TBD capsule which houses two simple energy energating devices. No cables are required, and capsules are easily replaced in one piece via screw fixing to the rod.

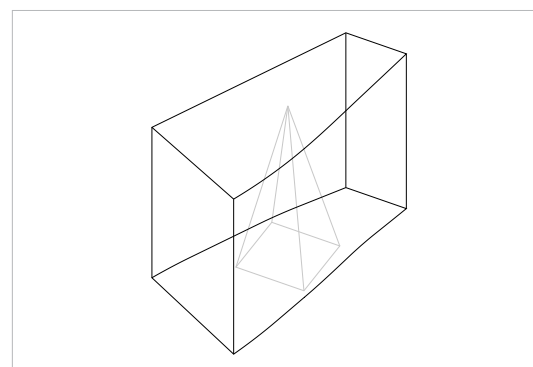
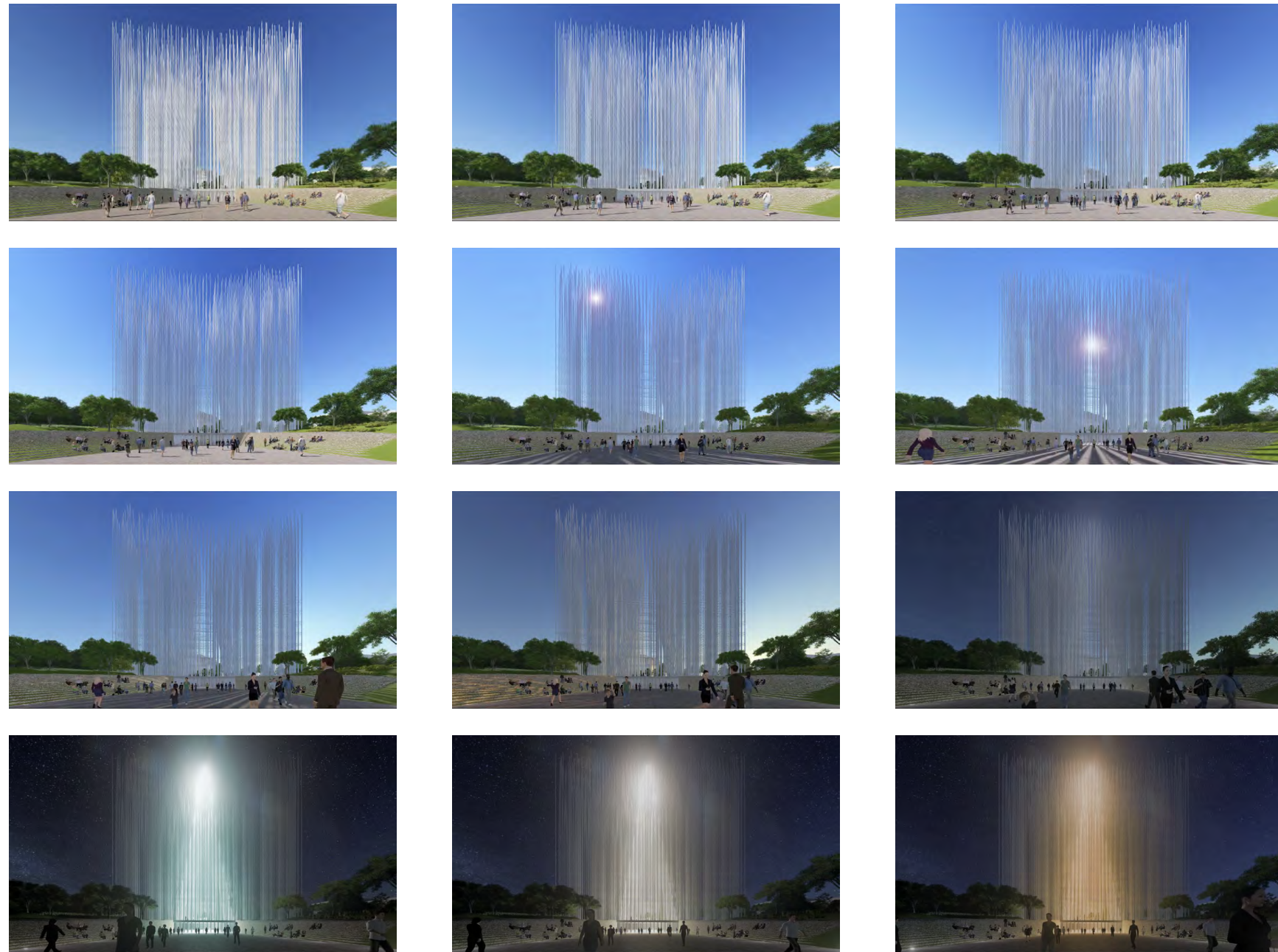
Each device incorporates a simple electromagnetic system and two LEDs and lights up when shaken by the wind.

Night Elevation

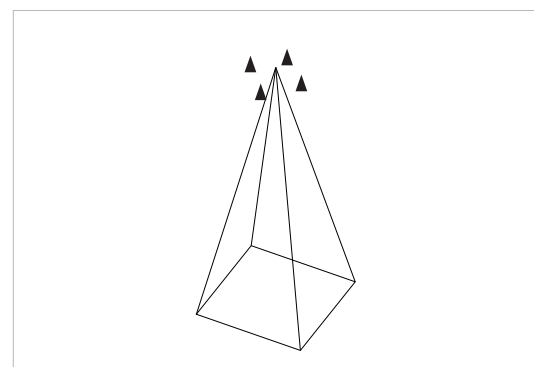
East elevation, where we can perceive the smooth movement of the rods with the wind.

THE EVER CHANGING MAGIC OF SILICON VALLEY

Power of People



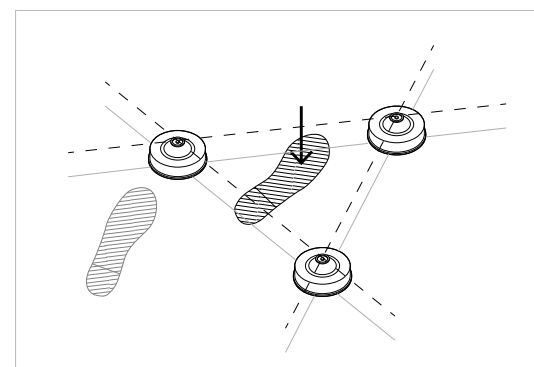
**SJELT  
Tower of Light**



**Tower of Light**

Dedicated floodlights provide volumetric illumination of the 'Tower of Light' void in the centre of the structure.

See Breeze of Innovation Project White Papers for product details and specification.

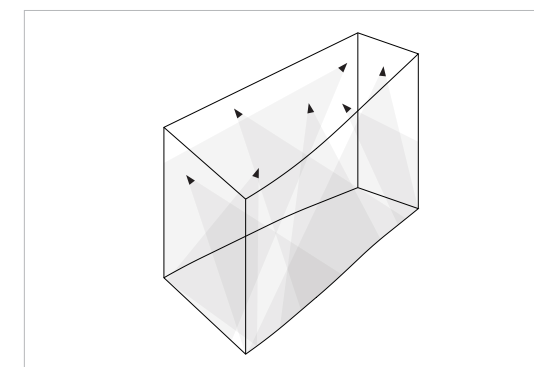


**Power of People**

Energy is generated via the patented Pavegen \* system which is available and tested in the industry and will be incorporated into the surface of the ramping pathway. It is activated by the pressure of a person when stepping on the piece, generating electrical energy that will be stored locally and used to power the floodlight system.

THE EVER CHANGING MAGIC OF SILICON VALLEY

Power of People



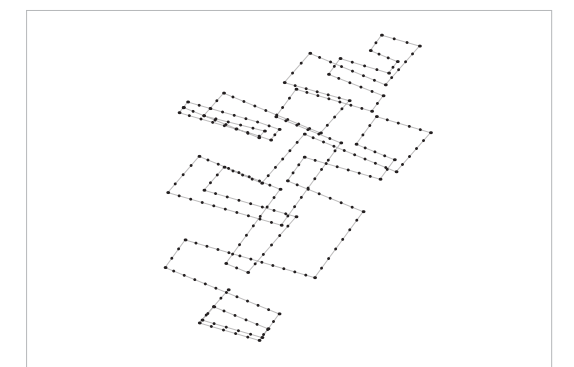
**The Cloud**



**Floodlights**

Strategically located floodlights provide adaptive and granular illumination to the entire interior of the structure.

See Breeze of Innovation Project White Papers for product details and specification.

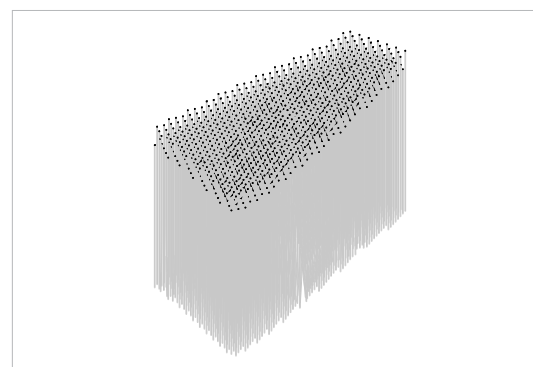
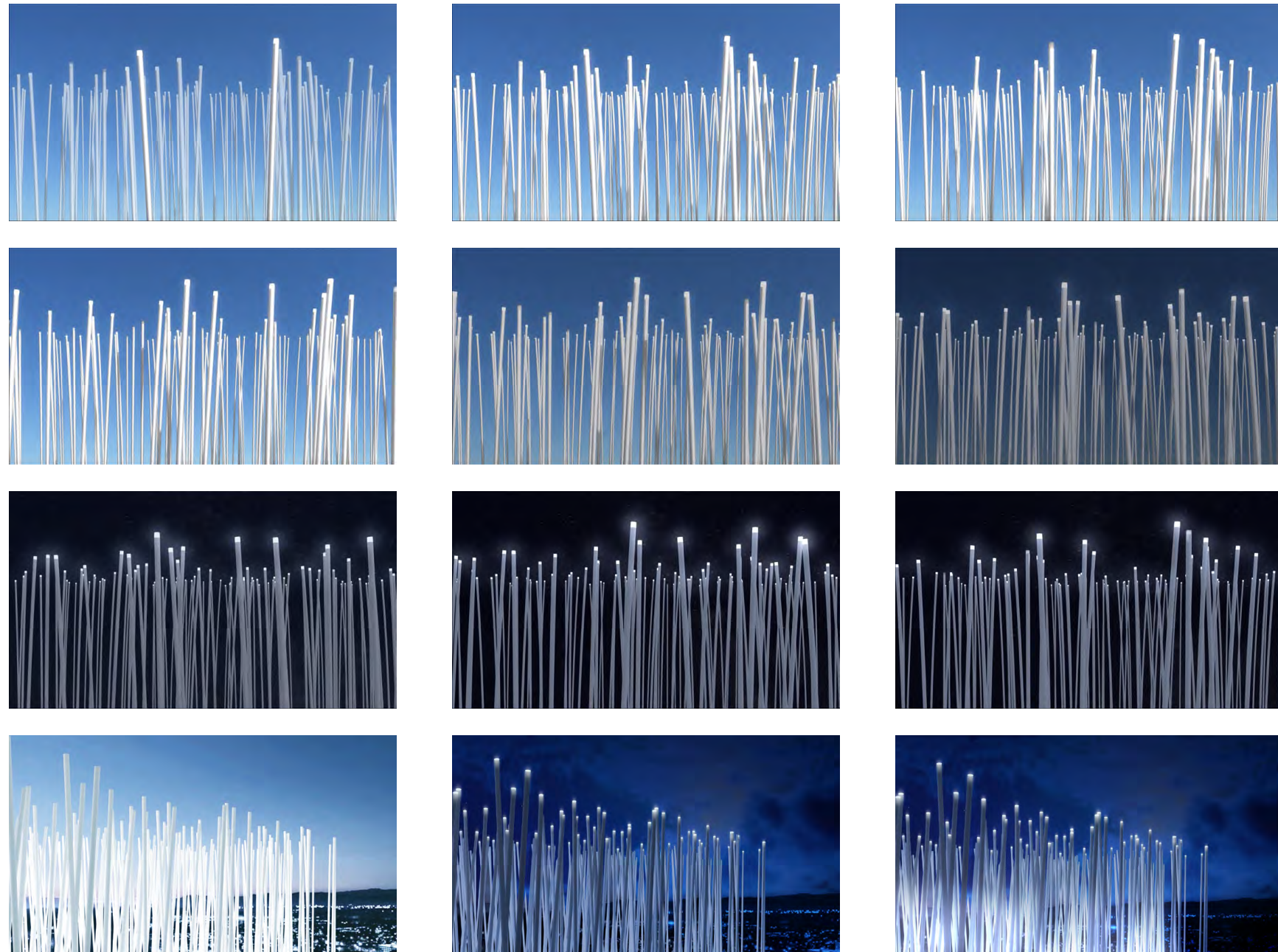


**Pavegen Modules**

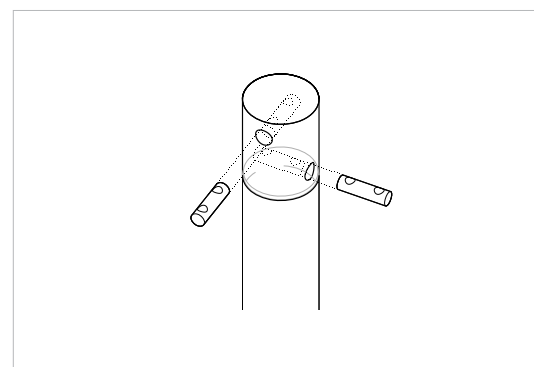
Pavegen electricity generating modules are integrated throughout the pathways. The energy generation, storage and lighting systems are all integrated into the ramp structure facilitating easy maintenance and upkeep.

THE EVER CHANGING MAGIC OF SILICON VALLEY

Power of Wind



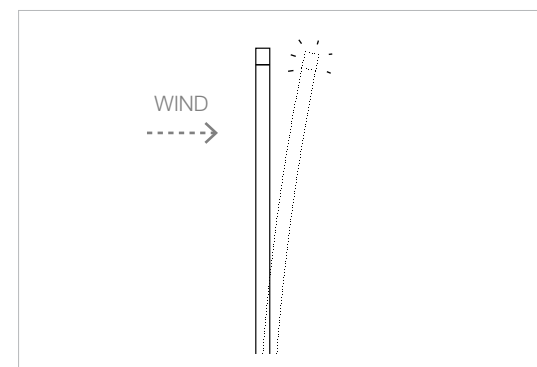
Tip of the Rods



Tips of the Rods Detail

The tips of the rods consist of a translucent TBD capsule which houses two simple energy energating devices. No cables are required, and capsules are easily replaced in one piece via screw fixing to the rod.

See Breeze of Innovation Project White Papers for product details and specification.



Power of Wind

Each device (available and tested in the industry \*) incorporates a simple electromagnetic system and two LEDs and lights up when shaken by the wind.

THE EVER CHANGING MAGIC OF SILICON VALLEY

Connecting with the Planet



Observation Platform at Night

The core purpose of the project is to create awareness and send a positive message to future generations, that a clean planet is possible ... **The goal is to make clean energy obvious and visible**, in order to trigger, to change perception, to question reality... to inspire.

**And what better way to inspire than to create an unforgettable experience?**

# BREEZE OF INNOVATION

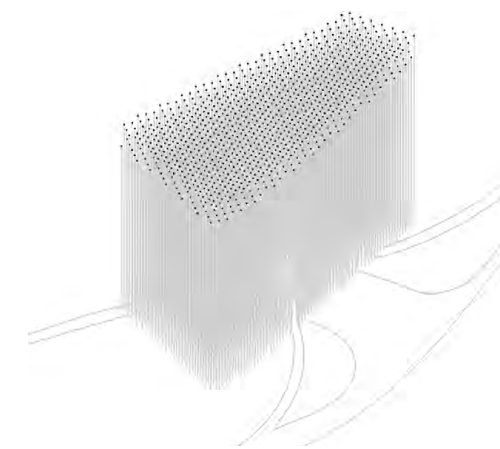
PARK ACTIVATION

SMAR Architecture Studio  
MBH Architects  
Magnusson Klemencic  
HOK  
BKF  
Erigo  
rtico  
tbd consultants

JAN 18, 2021

## BASIS OF DESIGN II . PARK ACTIVATION

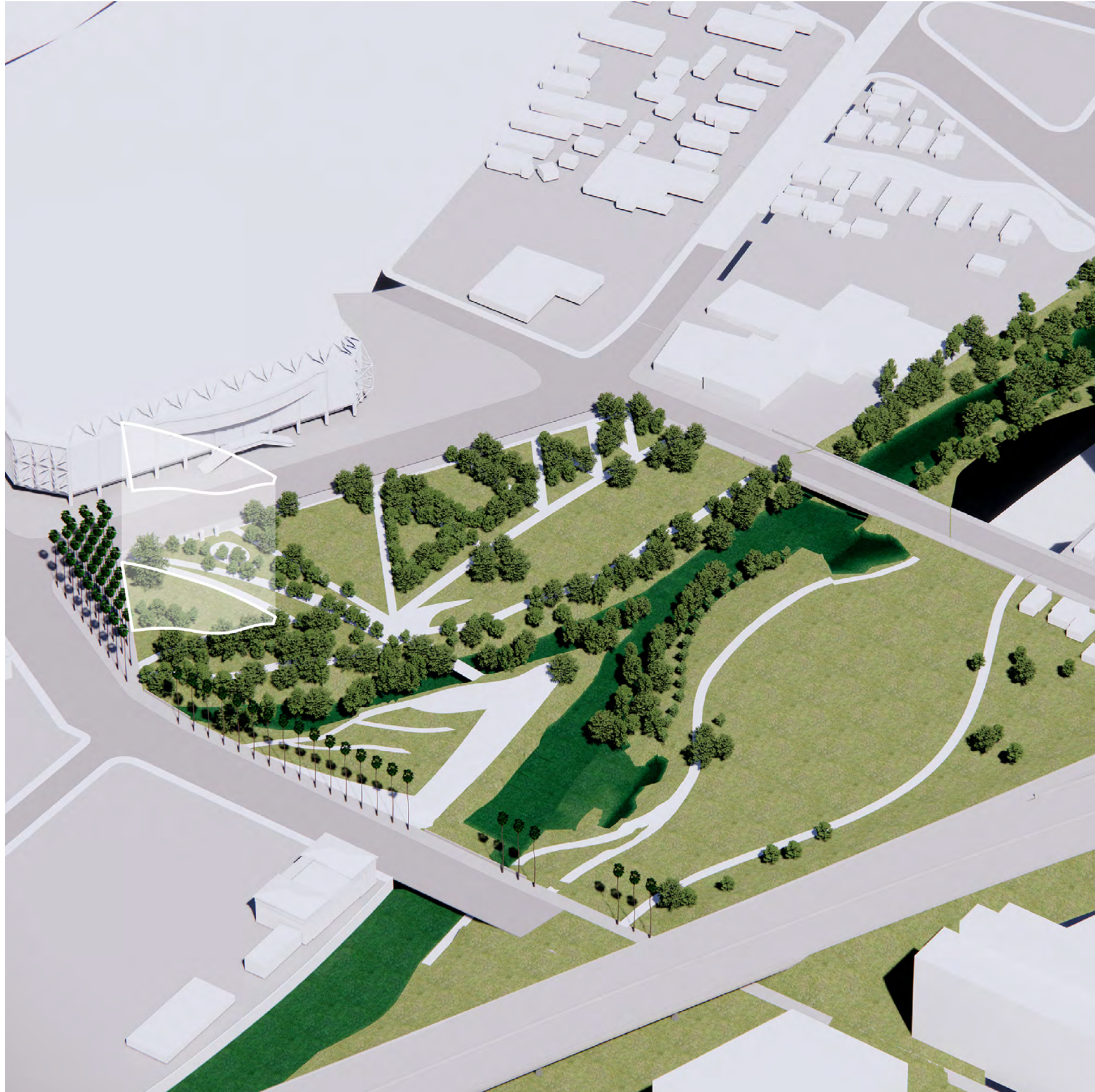
ARENA GREEN ACTIVATION	P48
LITHOSPHERE	P52
BIOSPHERE	P56
ATMOSPHERE	P60
ANTHROPOSPHERE	P64



A Landmark that serves as a reference and activates the space that surrounds it. It dissolves in the park connecting with the paths that converge in the central space, which will host events and exhibitions.



BREEZE OF INNOVATION  
**Arena Green Activation**



**Stage 01 Location**

Following consultation and feedback from take holders in stage 02, we decided to re-locate the project to an area we explored early in the design process of stage 01 in the north-western area of Arena Green.

BREEZE OF INNOVATION  
**Arena Green Activation**



**1.**

Connection to the SAP Arena without competing for attention

**2.**

Room to breathe and therefore high quality viewing opportunities from many angles

**3.**

Varied scale of urban interfaces

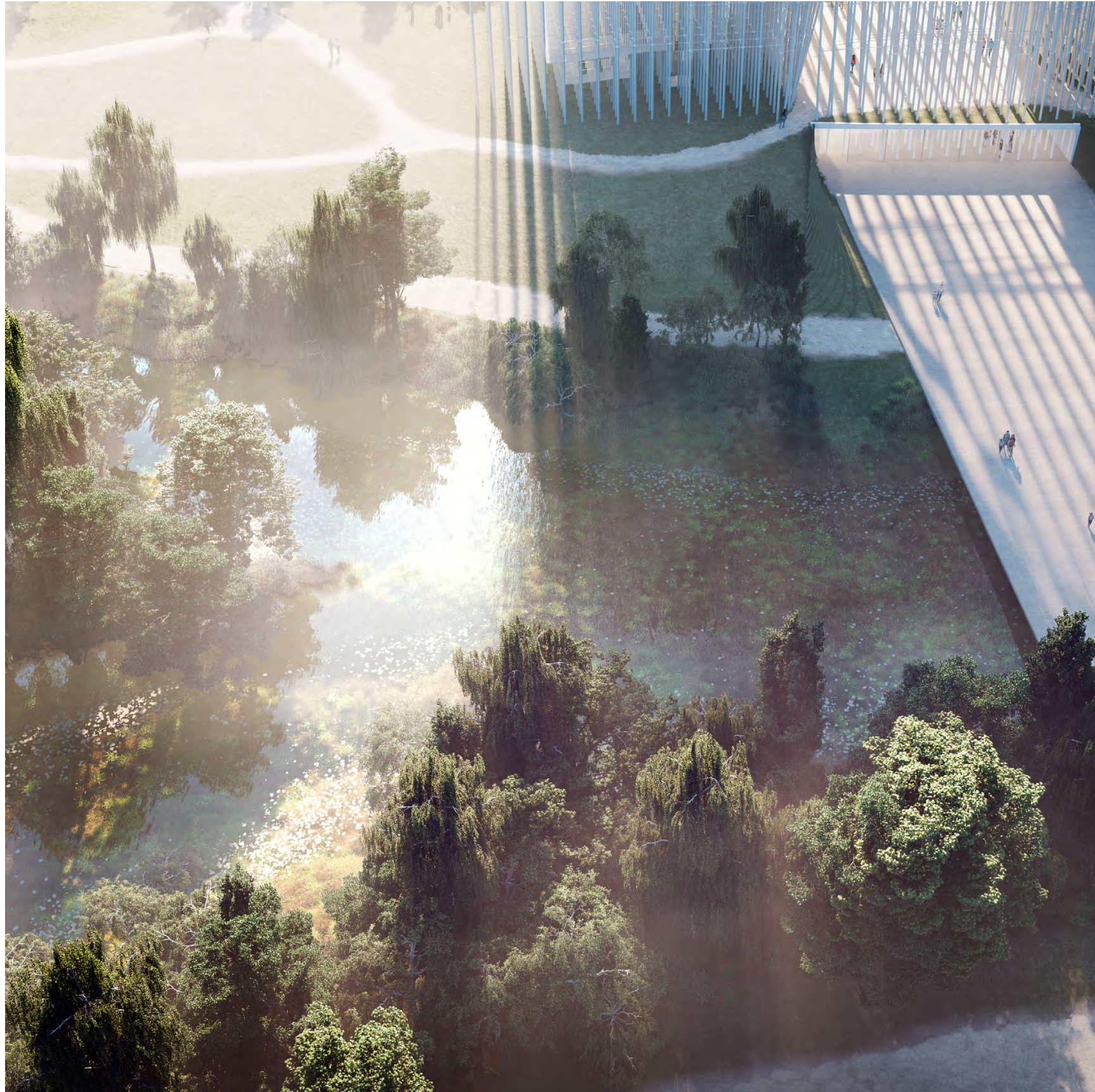
**4.**

Opportunities for stronger public connection to the Guadalupe River and riparian corridors

**5.**

Strong presence and dialogue with the Eastern Lawn of Arena Green

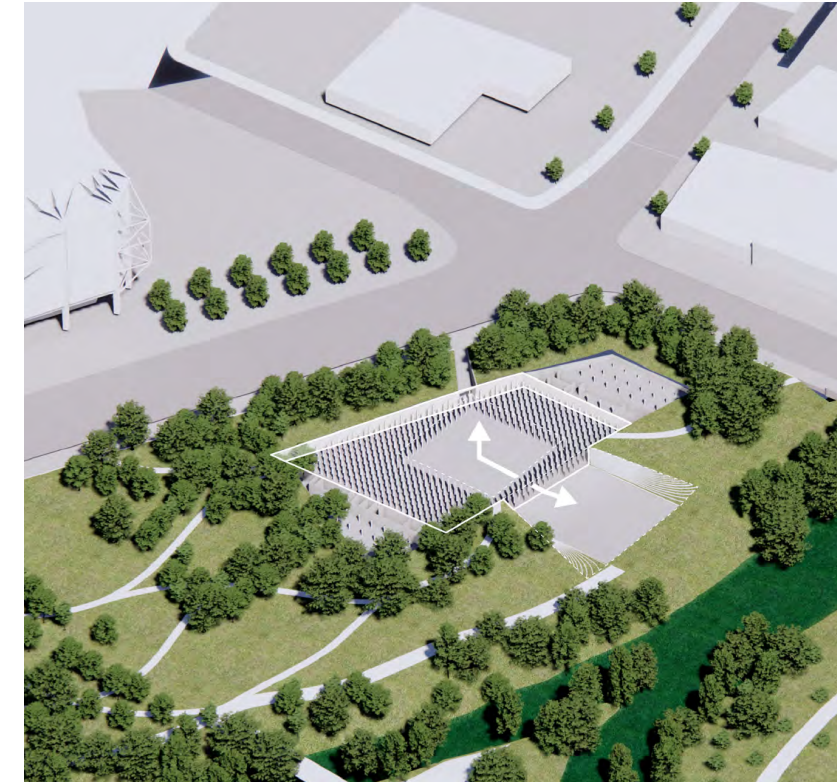
BREEZE OF INNOVATION  
**Arena Green Activation**



**The Experiences**

Through the Breeze of innovation project, we hope people will gain a greater awareness of the forces of nature that run through San Jose and our human-made environments, and build a deeper appreciation of how intimately interconnected are human and natural systems.

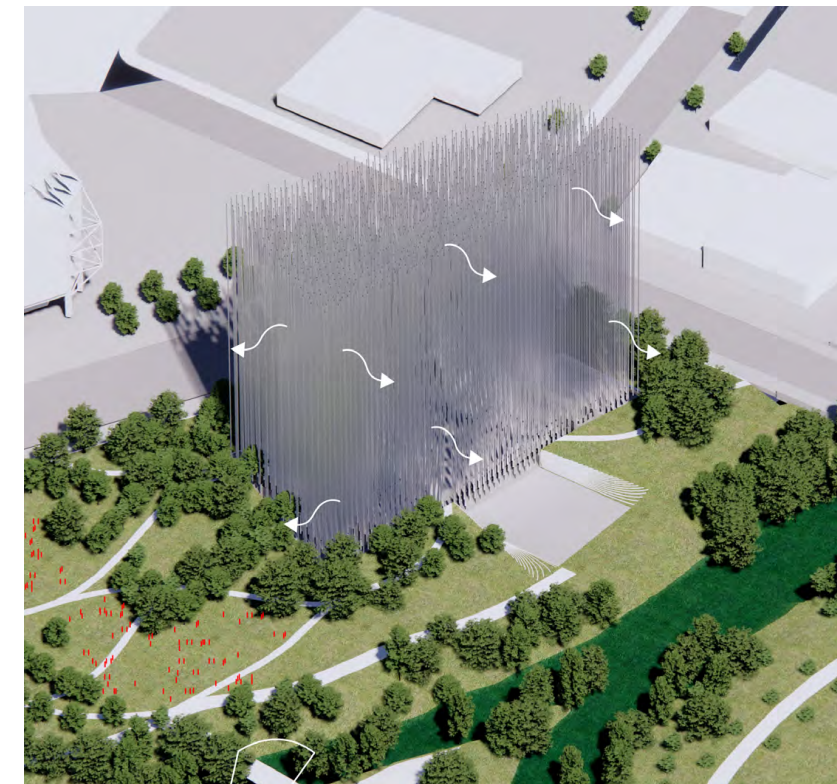
BREEZE OF INNOVATION  
**Arena Green Activation**



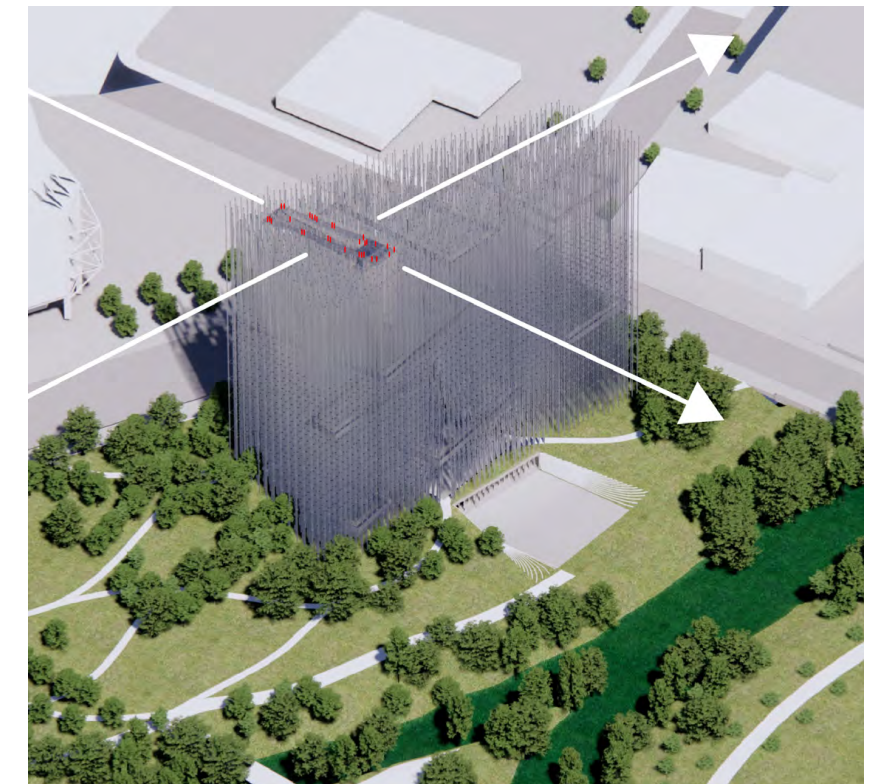
**Lithosphere**



**Biosphere**



**Atmosphere**



**Anthroposphere**

Through the experiences of the project, visitors will be able to see, hear and feel the energy and significance of natural systems flowing through our human-made environments - a world we are continually creating.

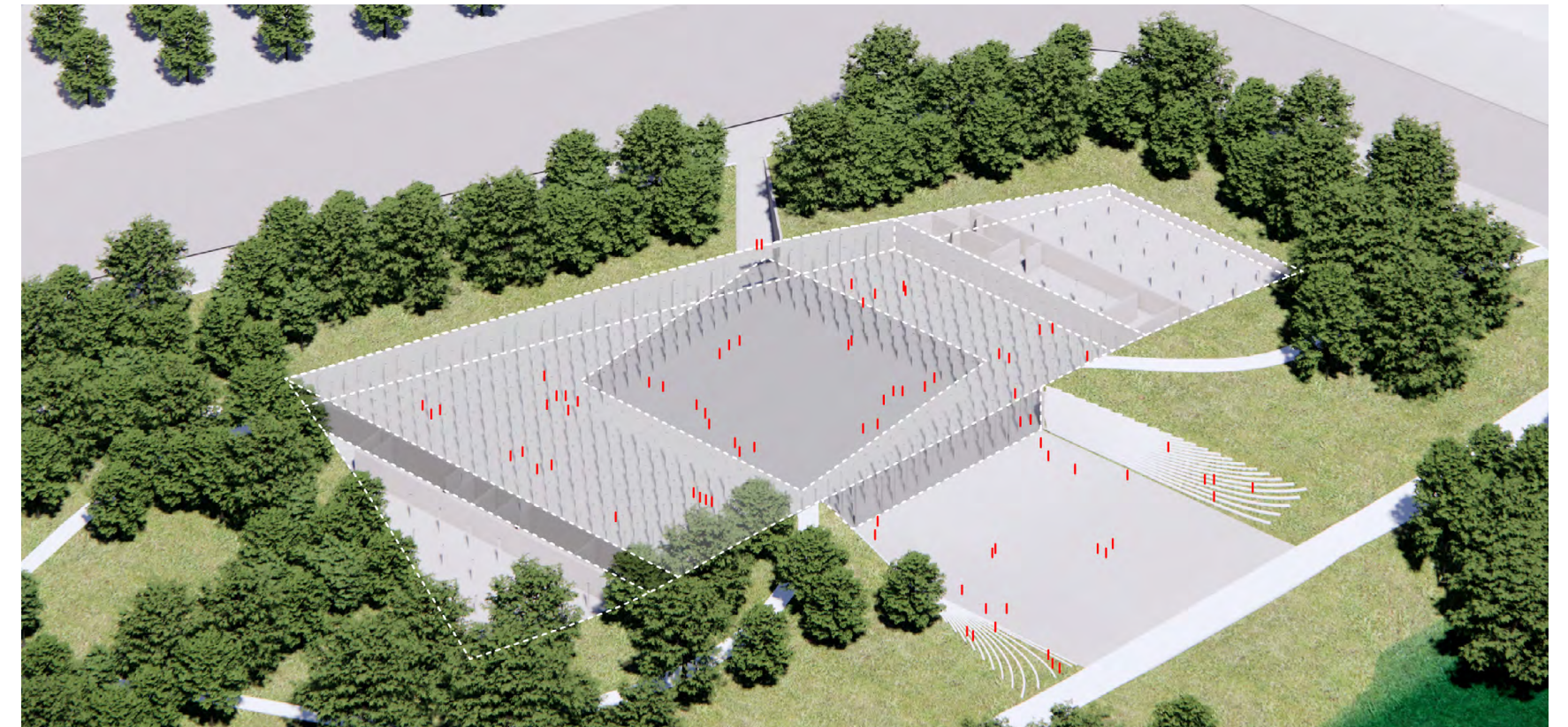
BREEZE OF INNOVATION  
Lithosphere



**Foundation Event Space**

This space is the functional heart of Breeze on Innovation containing all of the spaces which support its operation and maintenance. It is also a space where indoor events can be held, and where visitors can feel the Earth beneath the structure.

BREEZE OF INNOVATION  
Lithosphere



**Confluence Plaza**



**Foundation Event Space**

**Donor Recognition**

The stainless steel rods of the structure which symbolize the collective effort & endeavour of the people and companies of Silicon Valley, will also recognize the people who are making the Urban Confluence endeavour possible. In the foundation event space, the names of all donors to the Urban Confluence project will be engraved into the stainless steel structure allowing visitors to see and touch the names that make this kind of collective effort possible. In this space you feel the bedrock of this endeavour, and glimpse the light - the sense of the dream - from above.

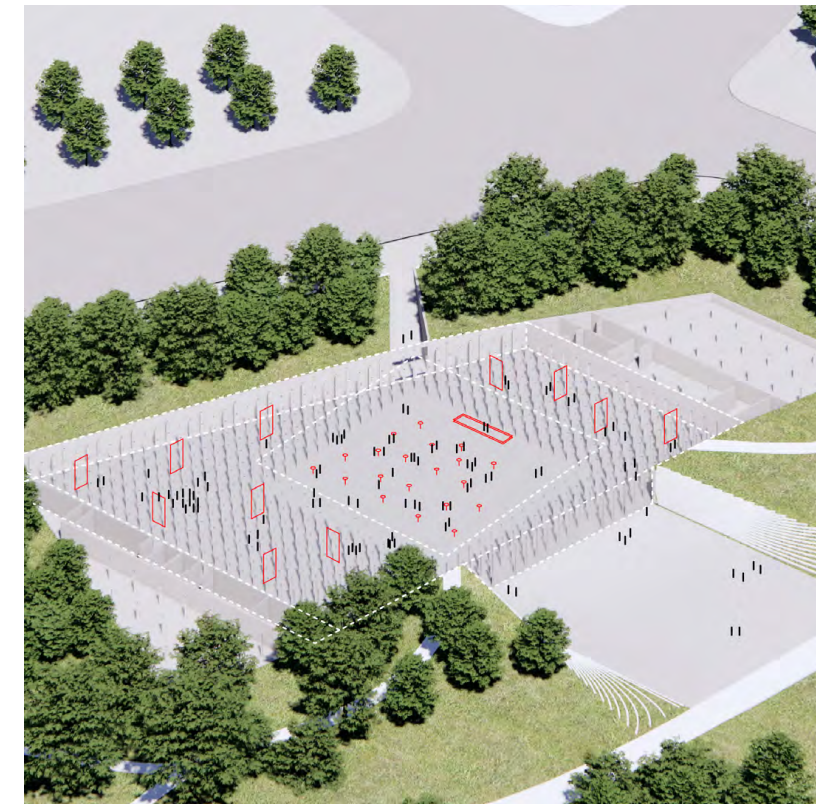
BREEZE OF INNOVATION  
Lithosphere



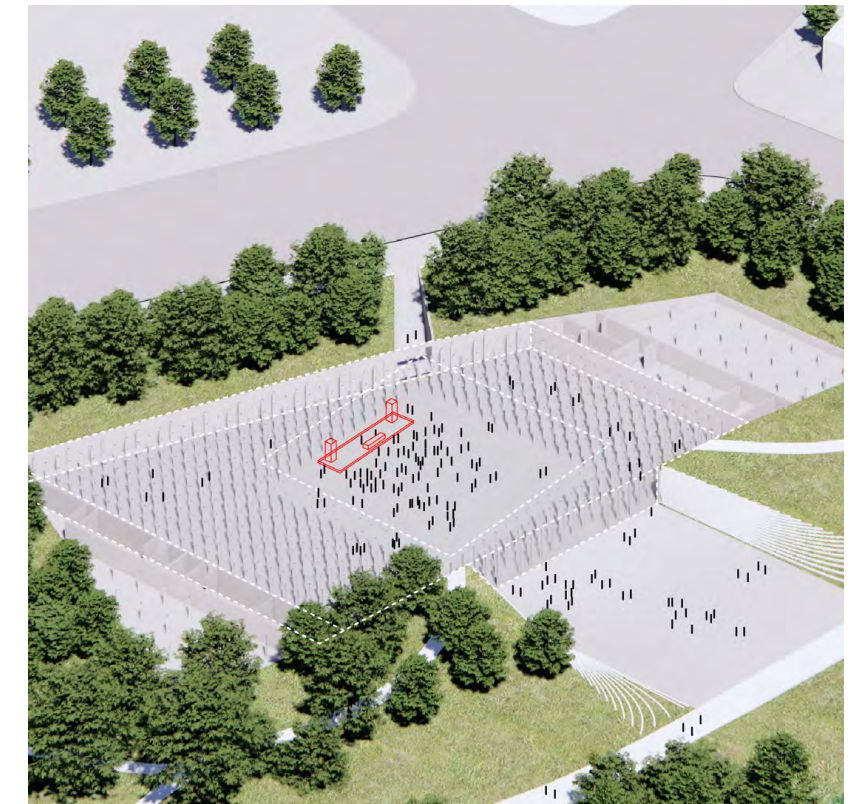
Foundation Event Space

Exhibition Possibilities

BREEZE OF INNOVATION  
Lithosphere

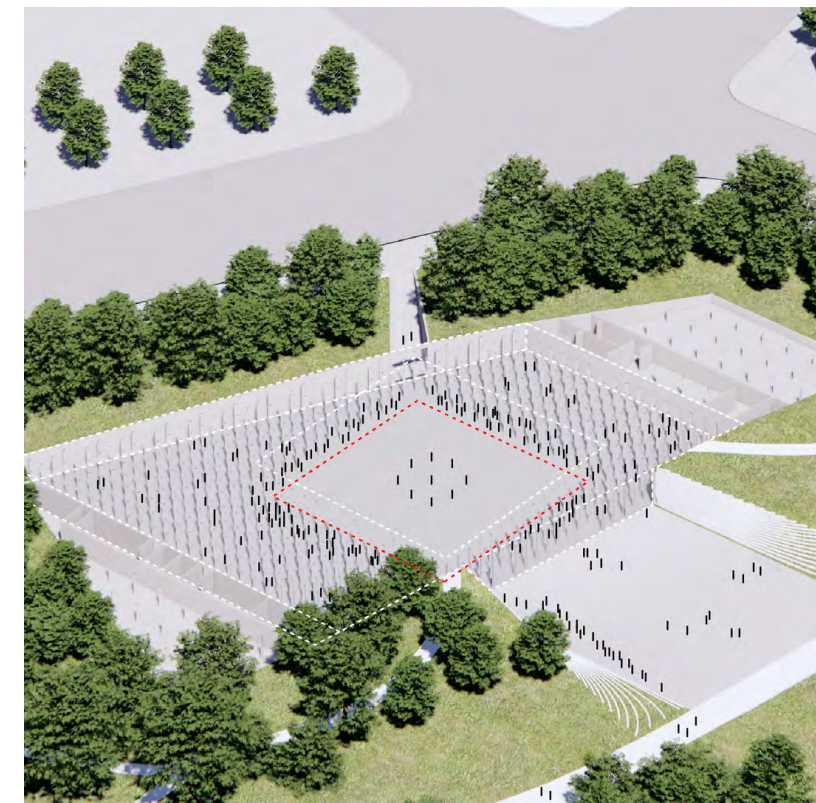


Gala

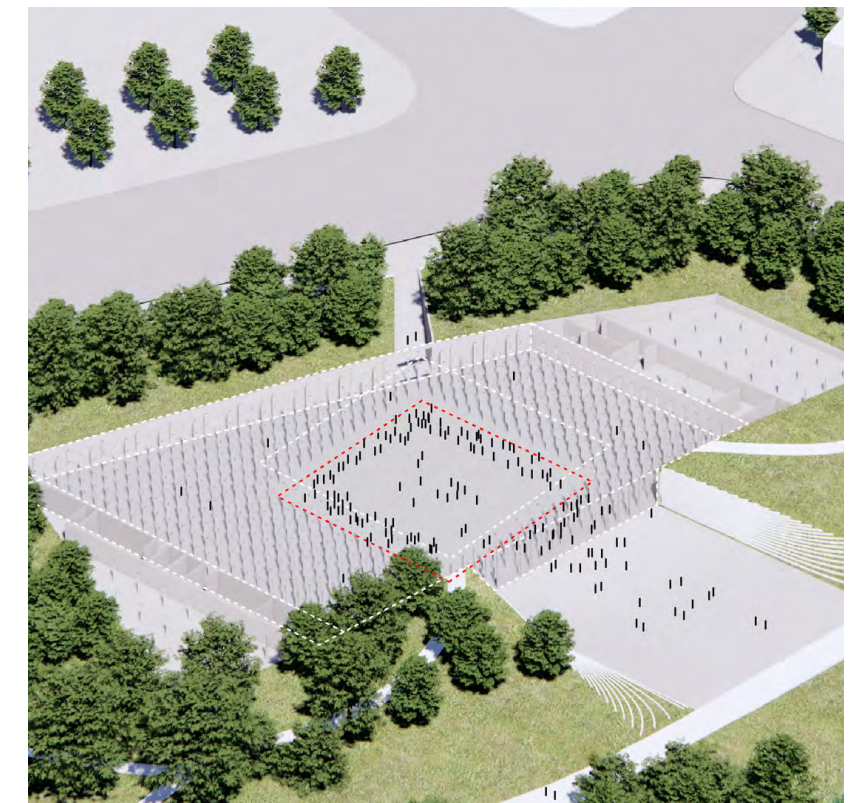


Concert

Crowd Around Performance



Performance Around Crowd



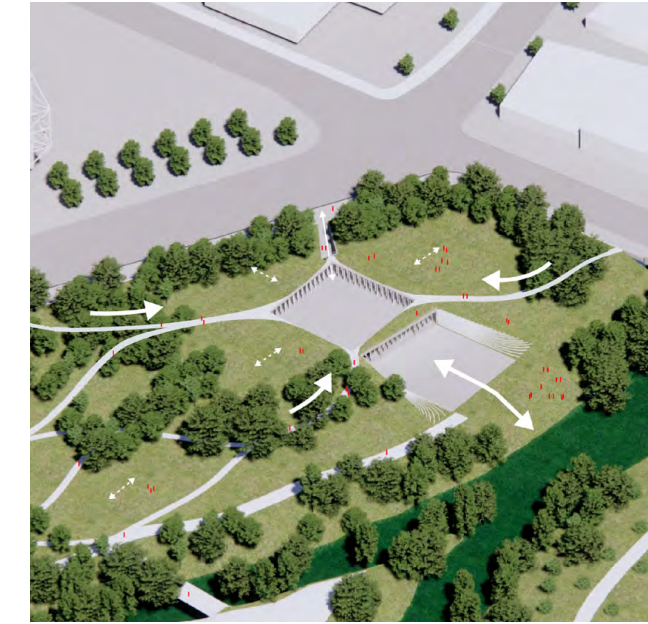
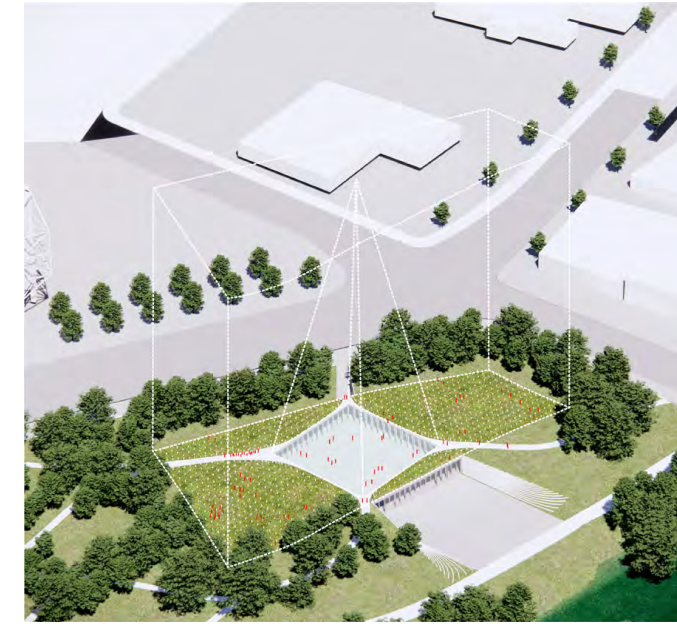
Foundation Event Space

This space is designed to be flexible and can be programmed in many different ways, to suit many different functions and styles of event, exhibition or installation.

BREEZE OF INNOVATION  
Biosphere



BREEZE OF INNOVATION  
Biosphere



**Landscape**

There is not one point at which the landscape ends and the building starts. The landscape is incorporated within the entire footprint of the structure creating a continuous and free public realm throughout the park and within the exterior areas of the Breeze project.

We are proposing modifications to the existing pathways on the western side of the river to create a more 'natural' parkland, where the focus is on the environment rather than the urban.

With this approach we preference meaningful public gathering spaces - free spaces - that are better able to accommodate special events.



BREEZE OF INNOVATION  
Biosphere



**The Park**

The park, as with the structure, is conceptualised as an extension of the existing ecological conditions of the park and riparian corridor. A series of zones radiate from the Guadalupe River and Los Gatos Creek. Each zone has a different landscape character and opportunities for different experiences.

BREEZE OF INNOVATION  
Biosphere



**1. Forest**

Forested zones to the east and west boundary provide both a visual and acoustic buffer to the busy Guadalupe Parkway and N. Autumn St.

**2. Native Ground Cover**

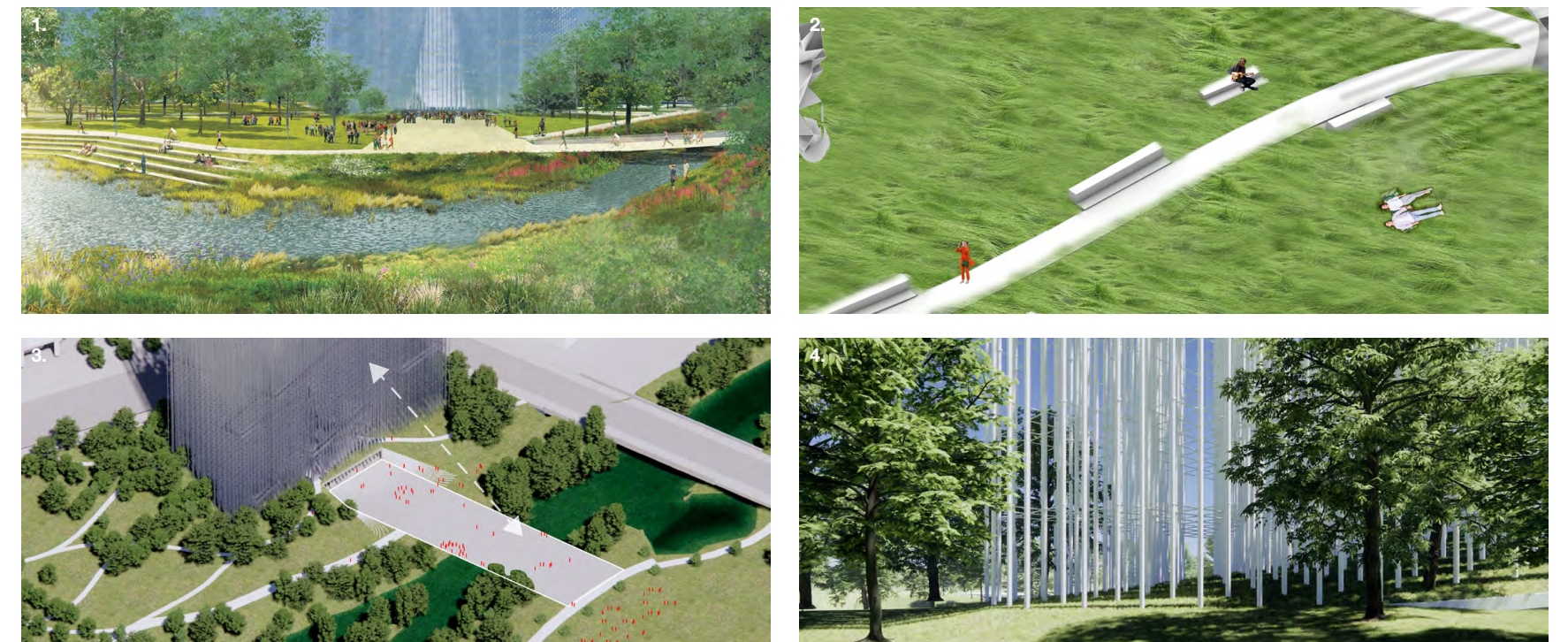
Utilizing natives such as willow, rushes and wild radish to create lush & low-maintenance ground cover.

**3. Lawn**

Existing lawn areas to the west and east to be maintained. Opportunity for flexible public program including markets, pop-up events and festivals to be integrated with Breeze of Innovation Landmark.

**4. Riparian Vegetation**

High quality riparian vegetation on the western bank is supported and enhanced. Lower quality vegetation on the eastern bank presents opportunity for value-add via the enhancement of riparian habitat and the integration of user experience, offering moments to be immersed in nature.



**1. Riparian Promenade**

Pathways and elevated board-walks will enable people to experience the river without disturbing turtle behaviour below. Pedestrian and bicycle movement can be separated but still form part of the same landscape gesture, flowing past the Breeze structure, and the two rivers.

**2. Restorative Landscape**

There is an opportunity here for flexible public program to activate the park via pop-ups, events and festivals. Connected to the riparian promenade on the east bank and the eastern lawn area we can create a lively public space for people to enjoy not only San Jose's landmark, but immerse in nature too.

**3. Confluence Plaza**

After walking through the park the visitor discovers the Confluence Plaza - the 'front door' of the project - situated adjacent to the urban confluence. We have explored different opportunities for how to cross the river at a point in the future. The aim of this plaza and future connection is to enhance the experience of this moment; the urban confluence, and provide an opportunity for greater engagement with the river at this important location.

**4. Forest of Light**

Along the western and northern edge of project the existing forest is densified to create a more distinct threshold from the urban to the parkland. This forested edge provides an exciting space to explore - the living forest alongside the artificial forest - and mediates the transition in scale between the structure and adjacent streets and buildings.

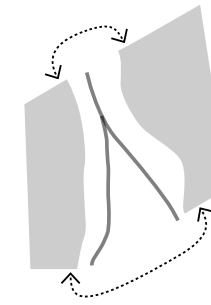
BREEZE OF INNOVATION  
Biosphere



**Connecting the two Parks**

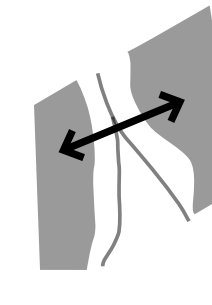
Additional to the Urban Confluence Project, we propose that a connection across the Guadalupe river may be developed by the City of San Jose. A bridge across the river would realise an opportunity to connect the Breeze landmark structure directly to the urban confluence of the Guadalupe River and Los Gatos Creek. This gesture puts the rivers, and the nature that co-exists with the city at the forefront of the experience of the landmark and connects the entire park into one continuous pedestrian zone.

BREEZE OF INNOVATION  
Biosphere



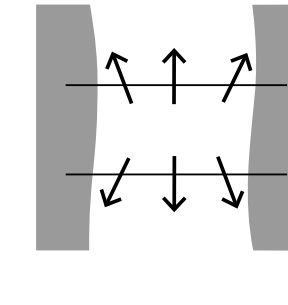
**Separated Parks**

The East and West sides of Arena Green are currently separate and only accessible via the small pedestrian sidewalks adjacent to the busy W Santa Clara St and W St John St.



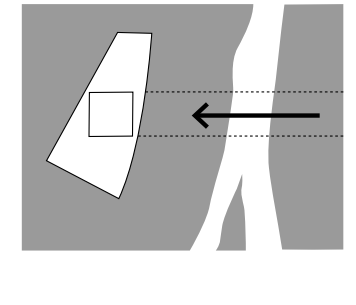
**Unified Park**

Creating a connection between these two sides will create a continuous pedestrian landscape and enhance the usability of the park as a whole.



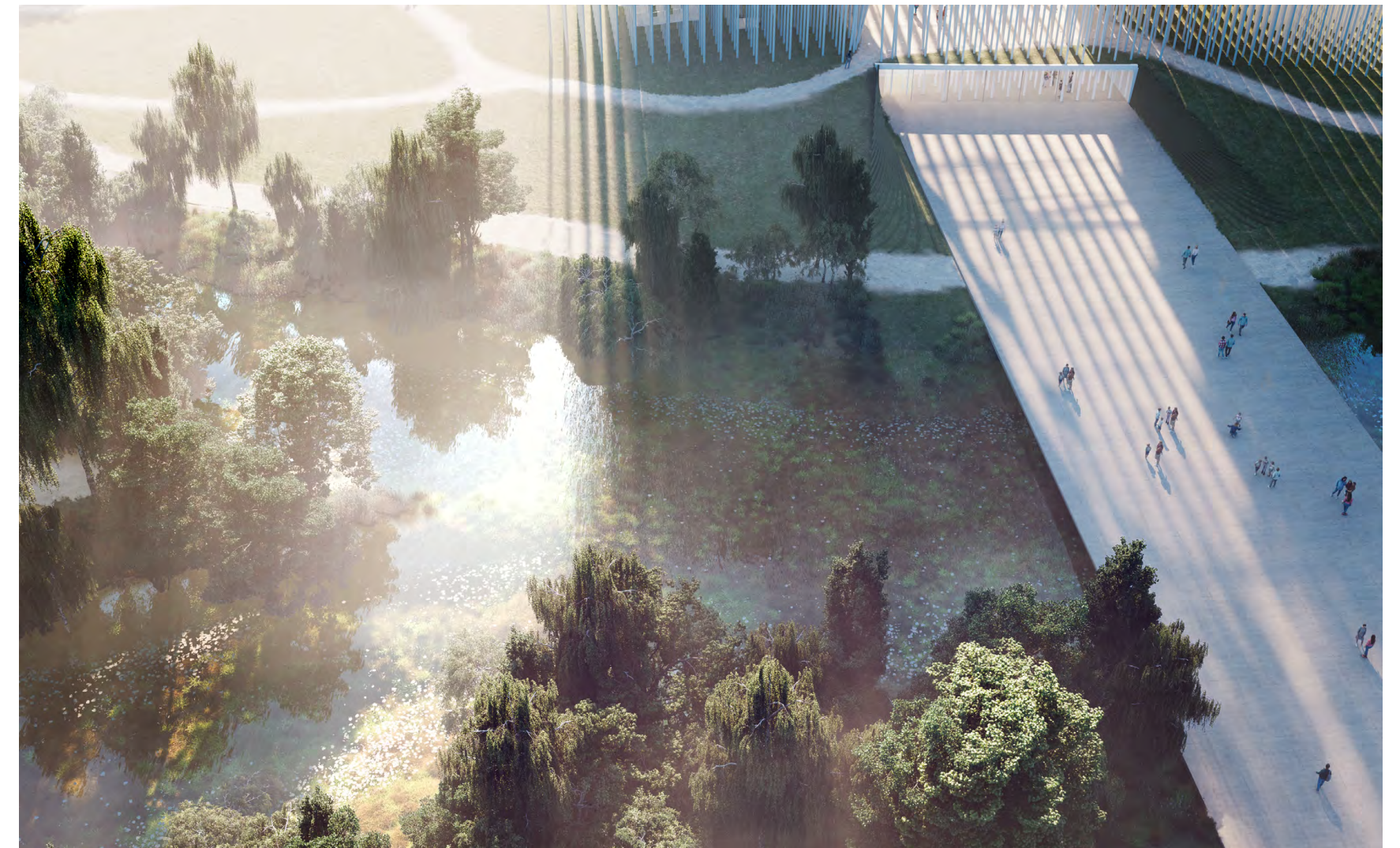
**Enhanced Experience of River**

The crossing provides the opportunity for more meaningful interaction and dialogue with the riparian corridor and waterway, to build public awareness and education of the nature that co-existing with the city.



**Enhanced Experience of Landmark**

A connection in this location, leading directly to the landmark structure creates a 'ceremonial' avenue to the landmark structure which celebrates the ecological corridor and raises it to equal standing with the structure itself.

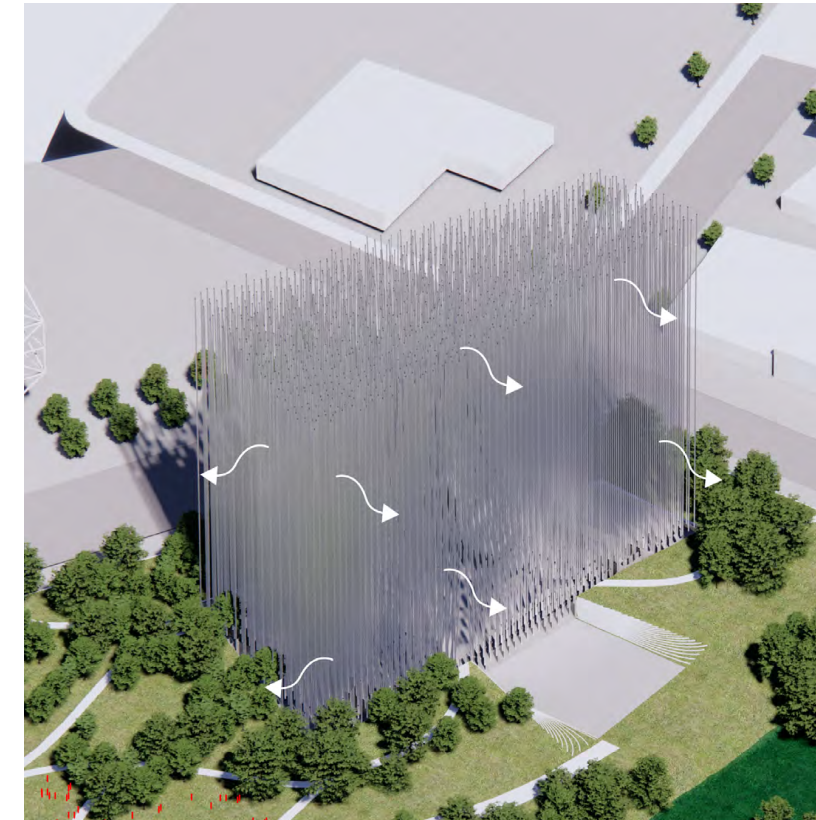


BREEZE OF INNOVATION  
Atmosphere



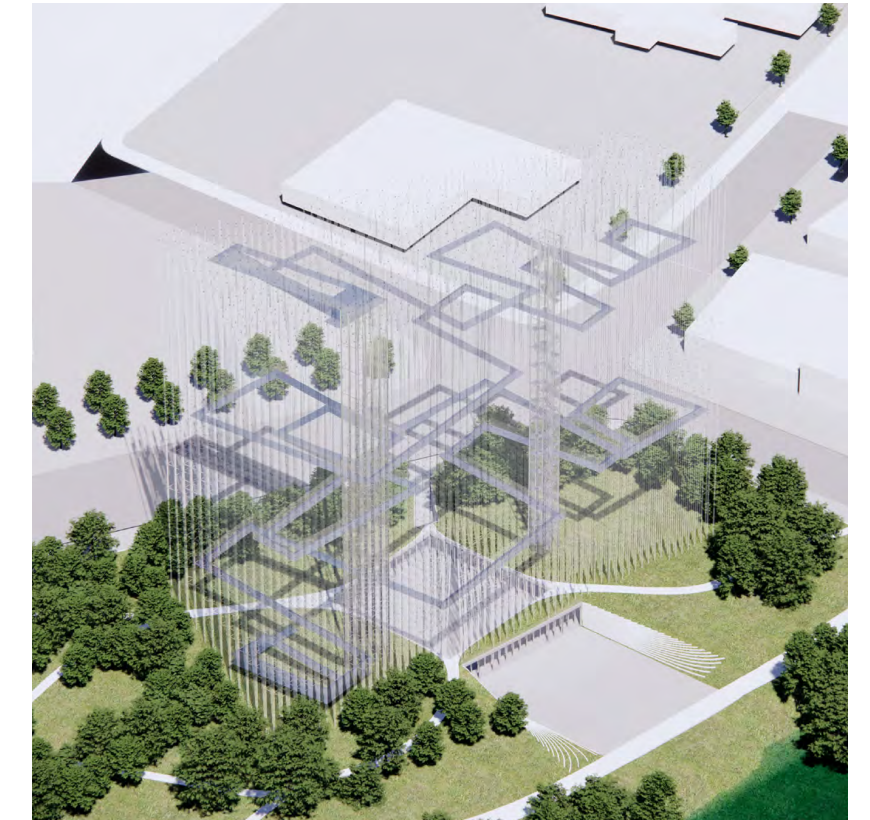
**Tower of Light Event Space**

BREEZE OF INNOVATION  
Atmosphere



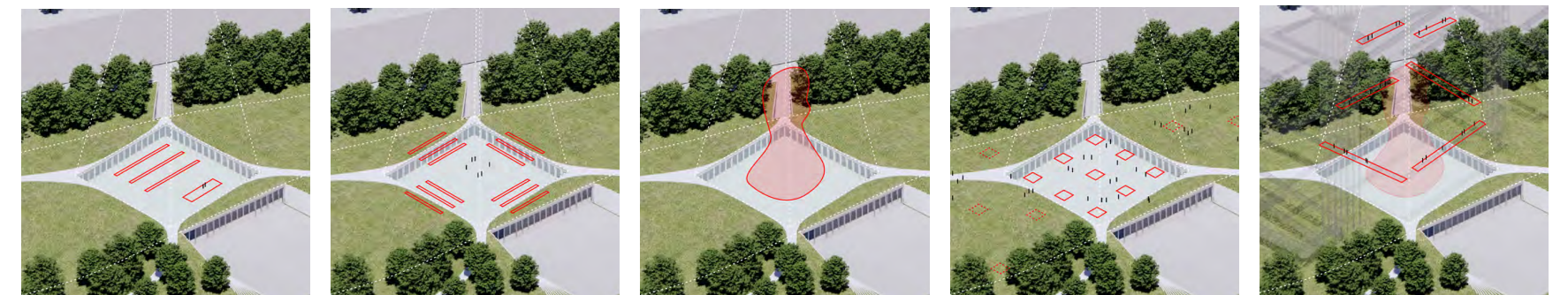
**Forest of Light**

1000 stainless steel rods move with the breeze and make visible the energy moving through our environment - a human-made structure given life by natural systems. The satin reflective finish of the rods reflects the ambient light amplifying the changing mood of the sky throughout the day and across the seasons.



**Forest Pathway**

Visitors are invited to experience this change in atmosphere from afar and up close on one of the many ramped pathways which rise through the structure to the observation platform at the top of the structure. These pathways are open to the air, minimizing the barriers between the visitor and the environment as you travel up through the structure.



**Traditional**

**Central**

**Singular**

**Confetti**

**Above**

**Tower of Light Event Space**

The Tower of Light void created in memory of the San Jose Electric Light Tower is a space open to the elements and free for public use day and night. As an exhibition space it is able to accommodate a huge variety of events thanks to the volume and height of the space, and the relatively neutral backdrop of the stainless steel rods. The pathways which access the space can accommodate vehicle traffic for ease of event set-up. The ability to access the space from any direction makes events held here feel truly public and welcoming to all visitors.



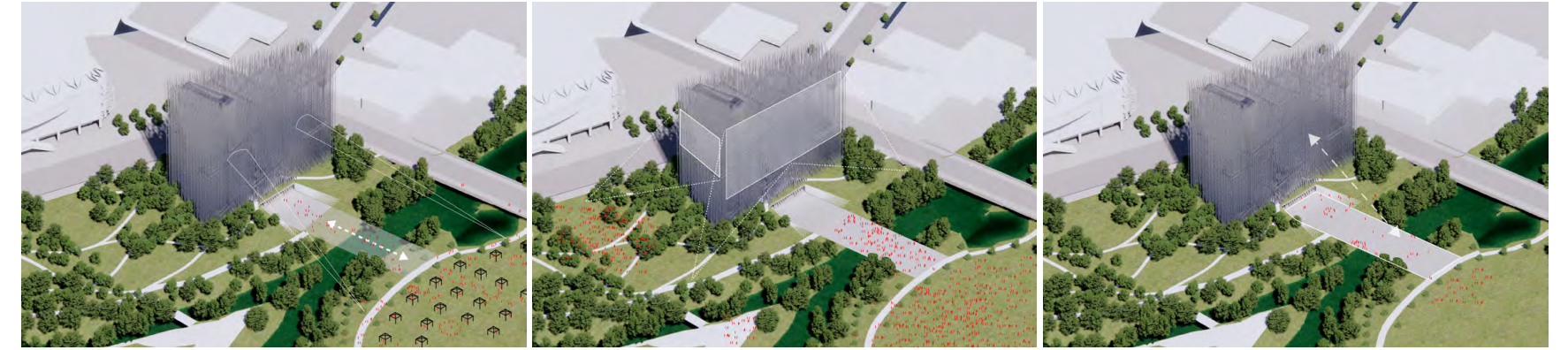
BREEZE OF INNOVATION  
Atmosphere



**Canvas for Light**

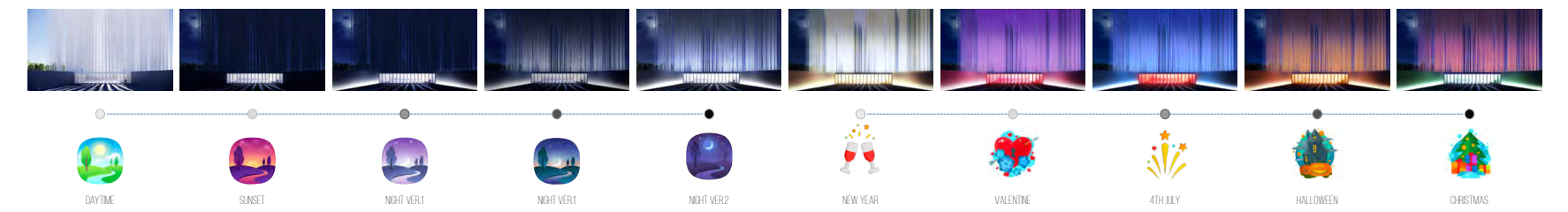
Curated Temporary Light Projection

BREEZE OF INNOVATION  
Atmosphere



**Events in the Park**

The presence of the atmosphere is always tangible, events take place under the back-drop of the breeze structure, gently swaying as the wind passes through.



**For every Season**

The structure is always reflecting the mood of the current weather and season, shifting and changing in character as the year goes by. The specialised lighting, powered by people, can be used to accent the colour of the structure for any event or occasion.



**A Screen for Moving Image**

The high density of the structural rods provides a surface for projecting light and images for special events or installation.

BREEZE OF INNOVATION  
**Anthroposphere**



**Urban Confluence Silicon Valley**

# BREEZE OF INNOVATION

## DRAWINGS

SMAR Architecture Studio  
MBH Architects  
Magnusson Klemencic  
HOK  
BKF  
Engel  
niteo  
tbd consultants

JAN 18, 2021



- Key
1. Forest
  2. Native No-mow Ground-cover
  3. Lawn
  4. Riparian Corridor
  5. Confluence Plaza
  6. Bridge to Future Design



DATE	REV	DESCRIPTION
15.01.2021	0	FOR REVIEW

PROJECT:  
 SCHEMATIC DESIGN  
**BREEZE OF INNOVATION**  
 URBAN CONFLUENCE SILICON VALLEY  
 SAN JOSE, CALIFORNIA

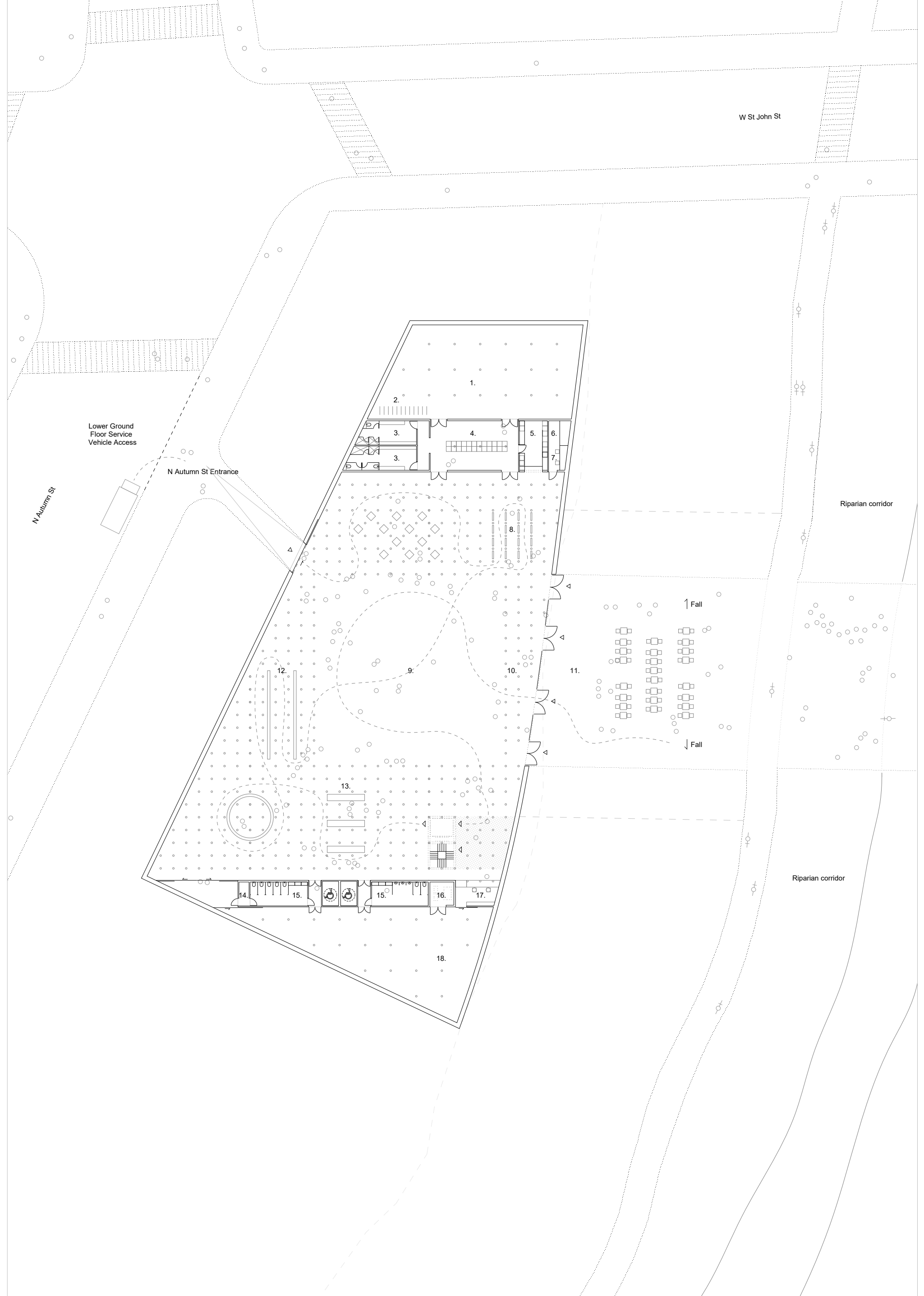
CLIENT:  
**SAN JOSE LIGHT  
 TOWER CORPORATION**

ARCHITECT:  
**SMAR ARCHITECTURE STUDIO**  
 with: MBH Architects \_ hok \_ Megrussen Klemencic Associates \_ Niteo \_ BKF \_ Engco \_ tbd consultants

SHEET TITLE:  
**SITE PLAN**  
 SCALE: 1:1500

SCHEMATIC DESIGN

DRAWING NO:  
**A-050**



Key							
1.	Plant & Storage	2615	sqft	6.	IT	75	sqft
2.	Staff Bicycle Storage			7.	Security	65	sqft
3.	Staff WCs & Changing Rooms	535	sqft	8.	Forest Exhibition Space	3650	sqft
4.	Staff Room / Green Room	640	sqft	9.	Void Exhibition Space	5450	sqft
5.	Staff Kitchen	205	sqft	10.	Confluence Entry	920	sqft
				11.	Confluence Plaza	6035	sqft
				12.	Forest Exhibition Space W	1925	sqft
				13.	Forest Exhibition Space S	5755	sqft
				14.	Cleaner's Room	35	sqft
				15.	Public Restrooms	635	sqft
				16.	Elevator Machine Room	80	sqft
				17.	Information Desk	155	sqft
				18.	Storage	2609	sqft

DATE	REV	DESCRIPTION
15.01.2021	0	FOR REVIEW

PROJECT:  
 SCHAMATIC DESIGN  
**BREEZE OF INNOVATION**  
 URBAN CONFLUENCE SILICON VALLEY  
 SAN JOSE, CALIFORNIA

CLIENT:  
**SAN JOSE LIGHT TOWER CORPORATION**

ARCHITECT:  
**SMAR ARCHITECTURE STUDIO**  
 with: MBH Architects \_ hok \_ Megrussen Klemencic Associates \_ Niteo \_ BKF \_ Engeo \_ tbd consultants

SHEET TITLE:  
**LOWER GROUND FLOOR PLAN**  
 SCALE: 1:400  
 FL = -7.5'

SCHEMATIC DESIGN  
 DRAWING NO. **A-100**



- Key**
- |  |  |            |
|--|--|------------|
| 1. Ground Floor Service Vehicle Access | 5. Forest of Light Exhibition Space    | 18575 sqft |
| 2. N Autumn St Entrance                | 6. Tower of Light Exhibition Space     | 5690 sqft  |
| 3. Bicycle Parking                     | 7. Confluence Entrance                 |            |
| 4. Bicycle Parking                     | 8. Plaza & Connection to Future Bridge |            |
| 5. Forest of Light Exhibition Space    |  |            |

DATE	REV	DESCRIPTION
15.01.2021	0	FOR REVIEW

PROJECT:  
 SCHEMATIC DESIGN  
**BREEZE OF INNOVATION**  
 URBAN CONFLUENCE SILICON VALLEY  
 SAN JOSE, CALIFORNIA

CLIENT:  
**SAN JOSE LIGHT  
 TOWER CORPORATION**

ARCHITECT:  
**SMAR ARCHITECTURE STUDIO**  
 with: MBH Architects \_ hok \_ Megrussen Klemencic Associates \_ Niteo \_ BKF \_ Engeo \_ tbd consultants

SHEET TITLE:  
**GROUND FLOOR PLAN**  
 SCALE: 1:400  
 FL = +7.0'

SCHEMATIC DESIGN  
 DRAWING NO:  
**A-101**



Key  
 1. Observation platform 2700 sqft  
 2. Forest pathway

DATE	REV	DESCRIPTION
15.01.2021	0	FOR REVIEW

PROJECT:  
 SCHEMATIC DESIGN  
**BREEZE OF INNOVATION**  
 URBAN CONFLUENCE SILICON VALLEY  
 SAN JOSE, CALIFORNIA

CLIENT:  
**SAN JOSE LIGHT  
 TOWER CORPORATION**

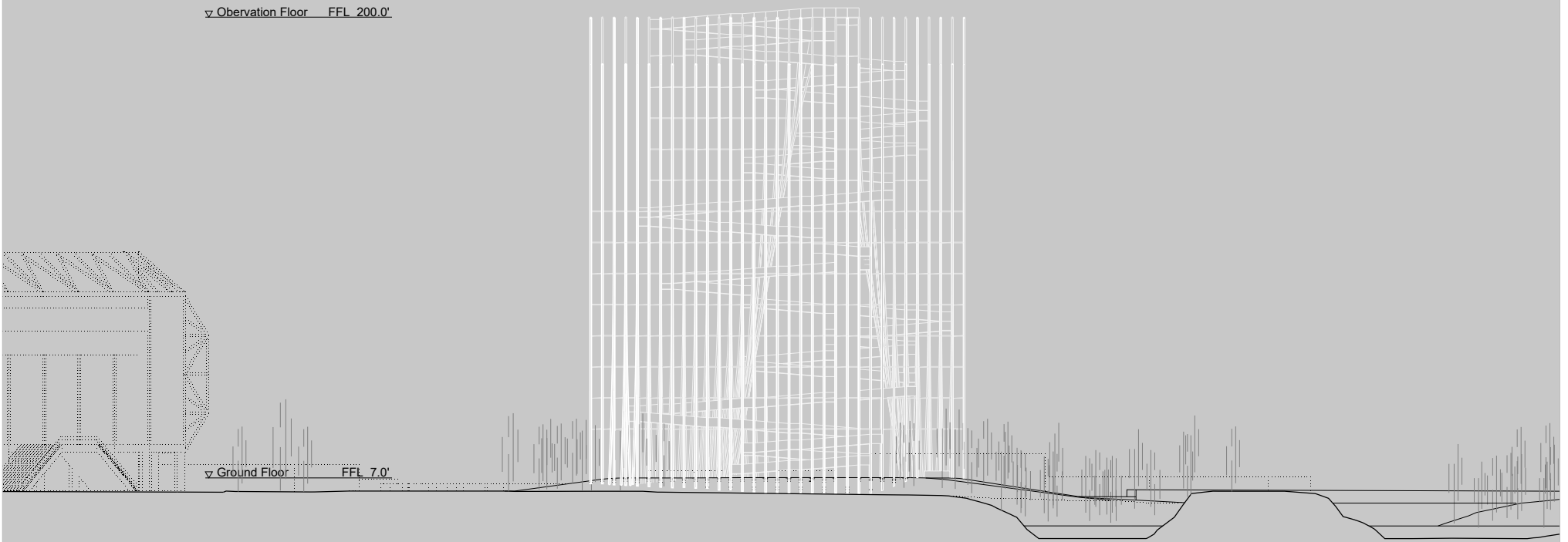
ARCHITECT:  
**SMAR ARCHITECTURE STUDIO**  
 with: MBH Architects \_ hok \_ Megrussen Klemencic Associates \_ Niteo \_ BKF \_ Engeo \_ tbd consultants

SHEET TITLE:  
**OBSERVATION FLOOR PLAN**  
 SCALE: 1:400  
 FL = +200.0'

SCHEMATIC DESIGN

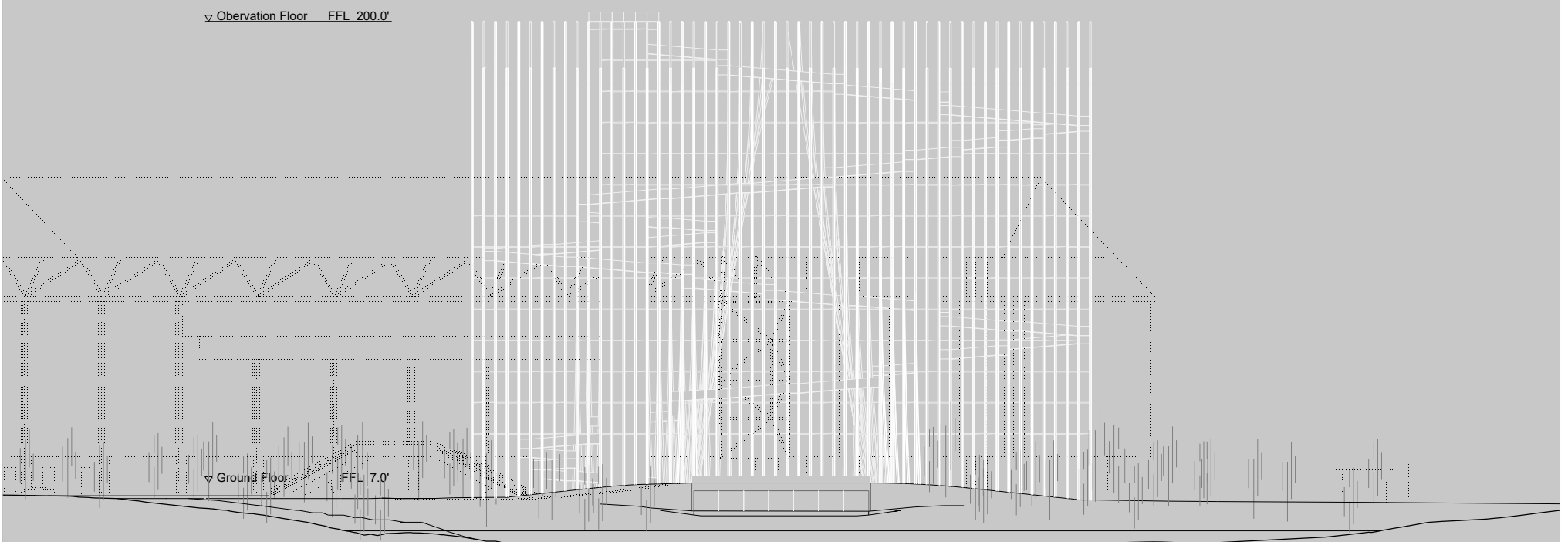
DRAWING NO:  
**A-102**

▽ Observation Floor FFL 200.0'



South Elevation

▽ Observation Floor FFL 200.0'



East Elevation

DATE	REV	DESCRIPTION
15.01.2021	0	FOR REVIEW

PROJECT:  
SCHAMATIC DESIGN  
**BREEZE OF INNOVATION**  
URBAN CONFLUENCE SILICON VALLEY  
SAN JOSE, CALIFORNIA

CLIENT:  
**SAN JOSE LIGHT  
TOWER CORPORATION**

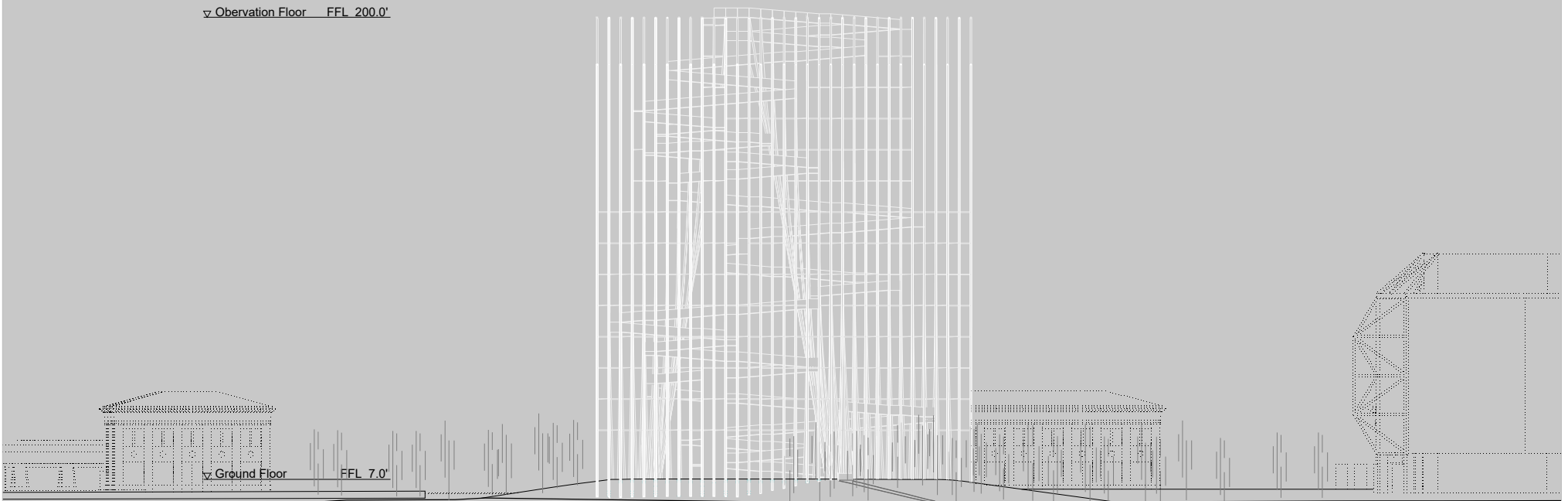
ARCHITECT:  
**SMAR ARCHITECTURE STUDIO**  
with: MBH Architects \_ hok \_ Megrussen Klemencic Associates \_ Niteo \_ BKF \_ Engeo \_ tbd consultants

SHEET TITLE:  
**SOUTH & EAST ELEVATIONS**  
SCALE: 1:750

SCHEMATIC DESIGN  
DRAWING NO:  
**A-150**

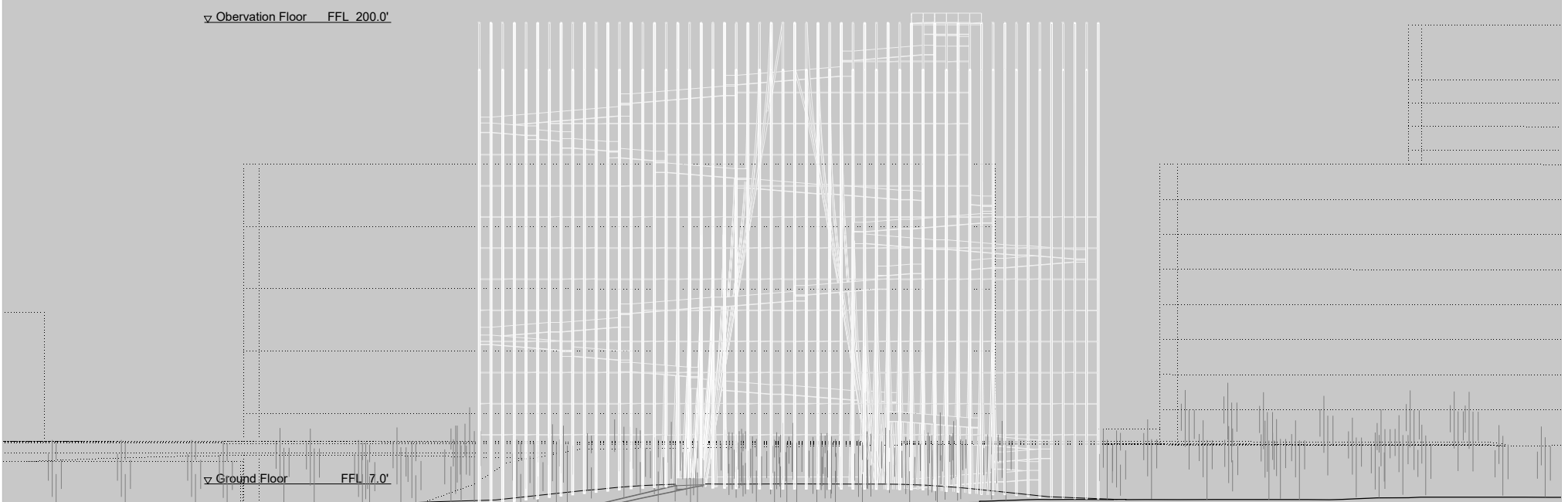


▽ Observation Floor FFL 200.0'



North Elevation

▽ Observation Floor FFL 200.0'



West Elevation

DATE	REV	DESCRIPTION
15.01.2021	0	FOR REVIEW

PROJECT:  
SCHAMATIC DESIGN  
**BREEZE OF INNOVATION**  
URBAN CONFLUENCE SILICON VALLEY  
SAN JOSE, CALIFORNIA

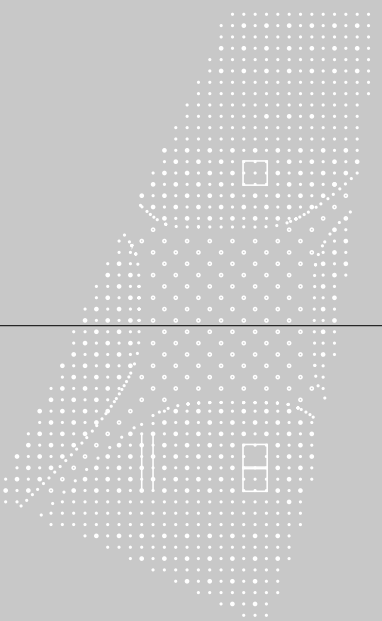
CLIENT:  
**SAN JOSE LIGHT  
TOWER CORPORATION**


ARCHITECT:  
**SMAR ARCHITECTURE STUDIO**  
with: MBH Architects \_ hok \_ Megrussen Klemencic Associates \_ Niteo \_ BKF \_ Engeo \_ tbd consultants


SHEET TITLE:  
**NORTH & WEST ELEVATIONS**  
SCALE: 1:750

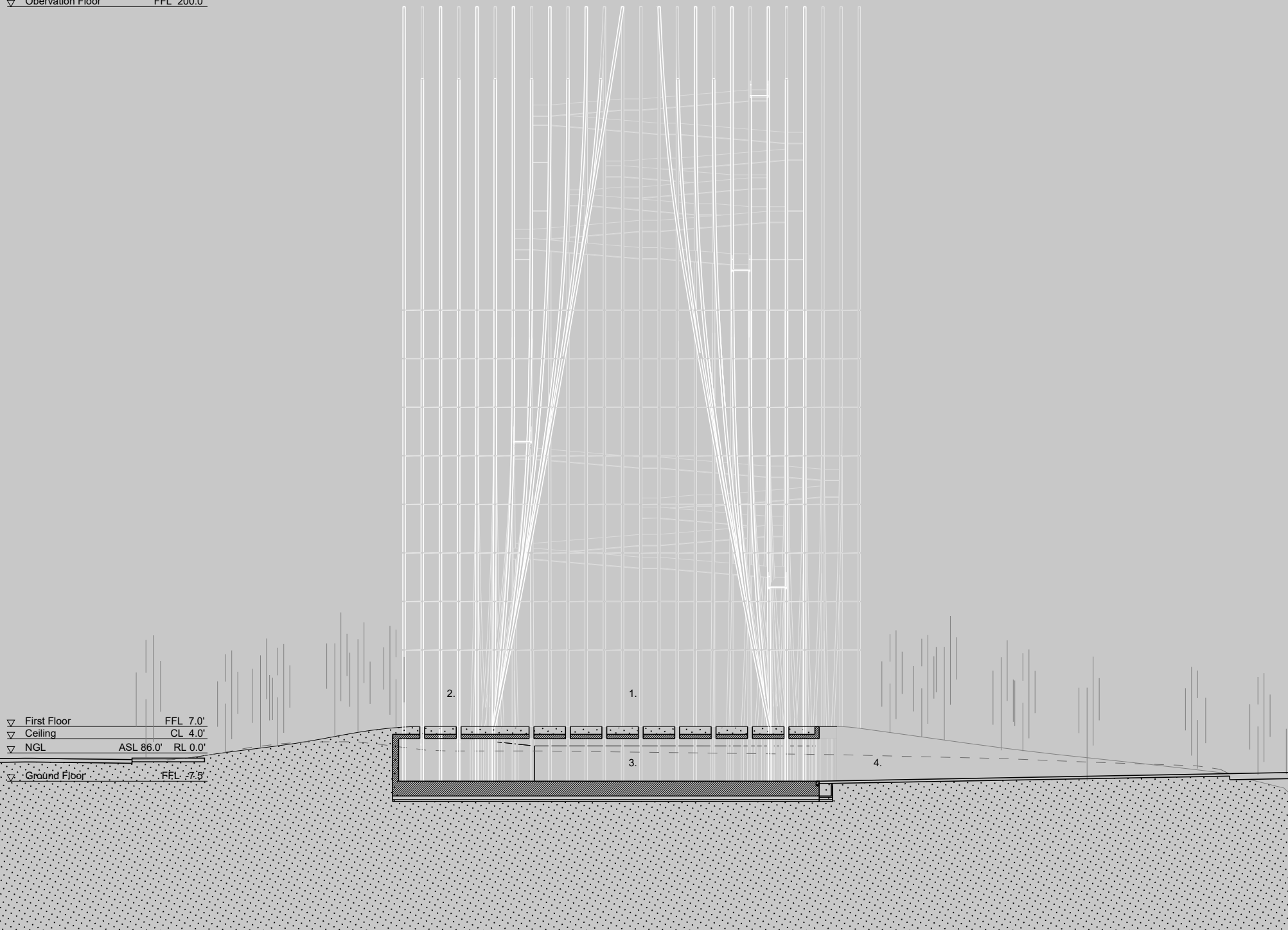
SCHEMATIC DESIGN  
DRAWING NO:  
**A-151**





01   01



  
GROUND FLOOR PLAN  
1 : 1000

 Observation Floor FFL 200.0'



 First Floor FFL 7.0'  
 Ceiling CL 4.0'  
 NGL ASL 86.0' RL 0.0'  
 Ground Floor FFL -7.5'

SECTION 02

Key: 1. Tower of Light Exhibition Space 2. Forest of Light Exhibition Space 3. Donor Room Exhibition Spaces 4. Confluence Plaza

DATE	REV	DESCRIPTION
15.01.2021	0	FOR REVIEW


PROJECT:  
SCHAMATIC DESIGN  
**BREEZE OF INNOVATION**  
URBAN CONFLUENCE SILICON VALLEY  
SAN JOSE, CALIFORNIA

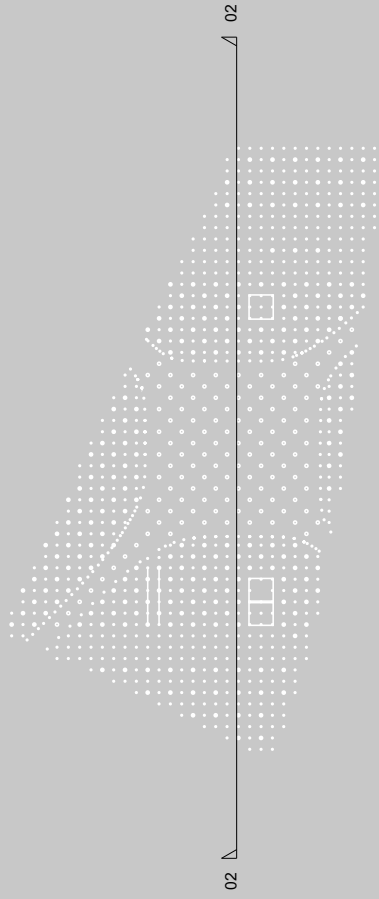
CLIENT:  
**SAN JOSE LIGHT  
TOWER CORPORATION**

ARCHITECT:  
**SMAR ARCHITECTURE STUDIO**  
with: MBH Architects \_ hok \_ Megrussen Klemencic Associates \_ Niteo \_ BKF \_ Engeo \_ tbd consultants

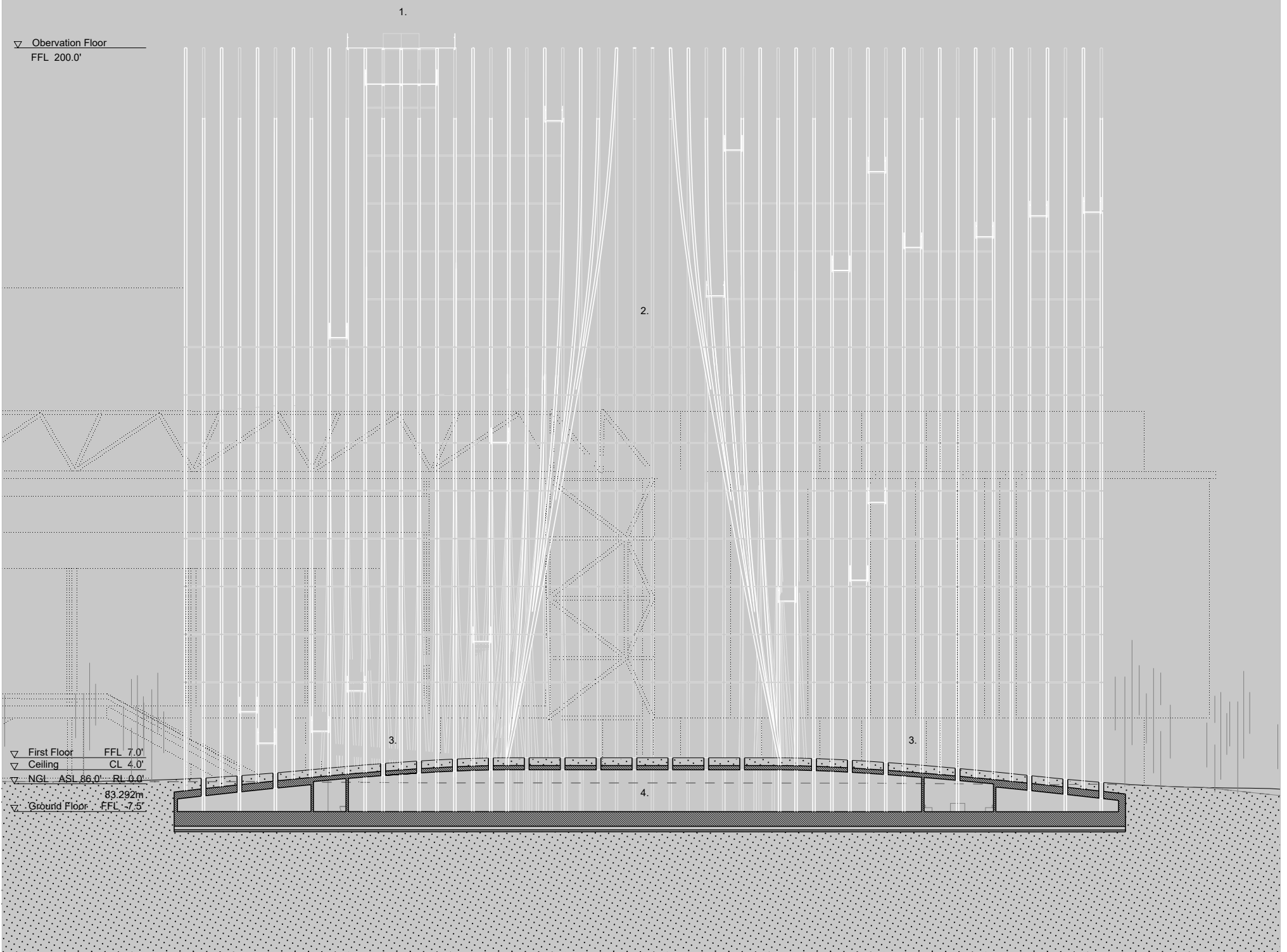
SHEET TITLE:  
**SECTION 01**  
SCALE: 1:400

SCHEMATIC DESIGN  
DRAWING NO:  
**A-250**

  
 GROUND FLOOR PLAN  
 1 : 1000



▽ Observation Floor  
 FFL 200.0'



▽ First Floor FFL 7.0'  
 ▽ Ceiling CL 4.0'  
 ▽ NGL ASI 86.0' RL 0.0'  
 83.292m  
 ▽ Ground Floor FFL -7.5'

SECTION 02

Key: 1. Observation Platform 2. Tower of Light Exhibition Space 3. Forest of Light Exhibition Space 4. Donor Room Exhibition Spaces

DATE	REV	DESCRIPTION
12.01.2021	0	FOR REVIEW

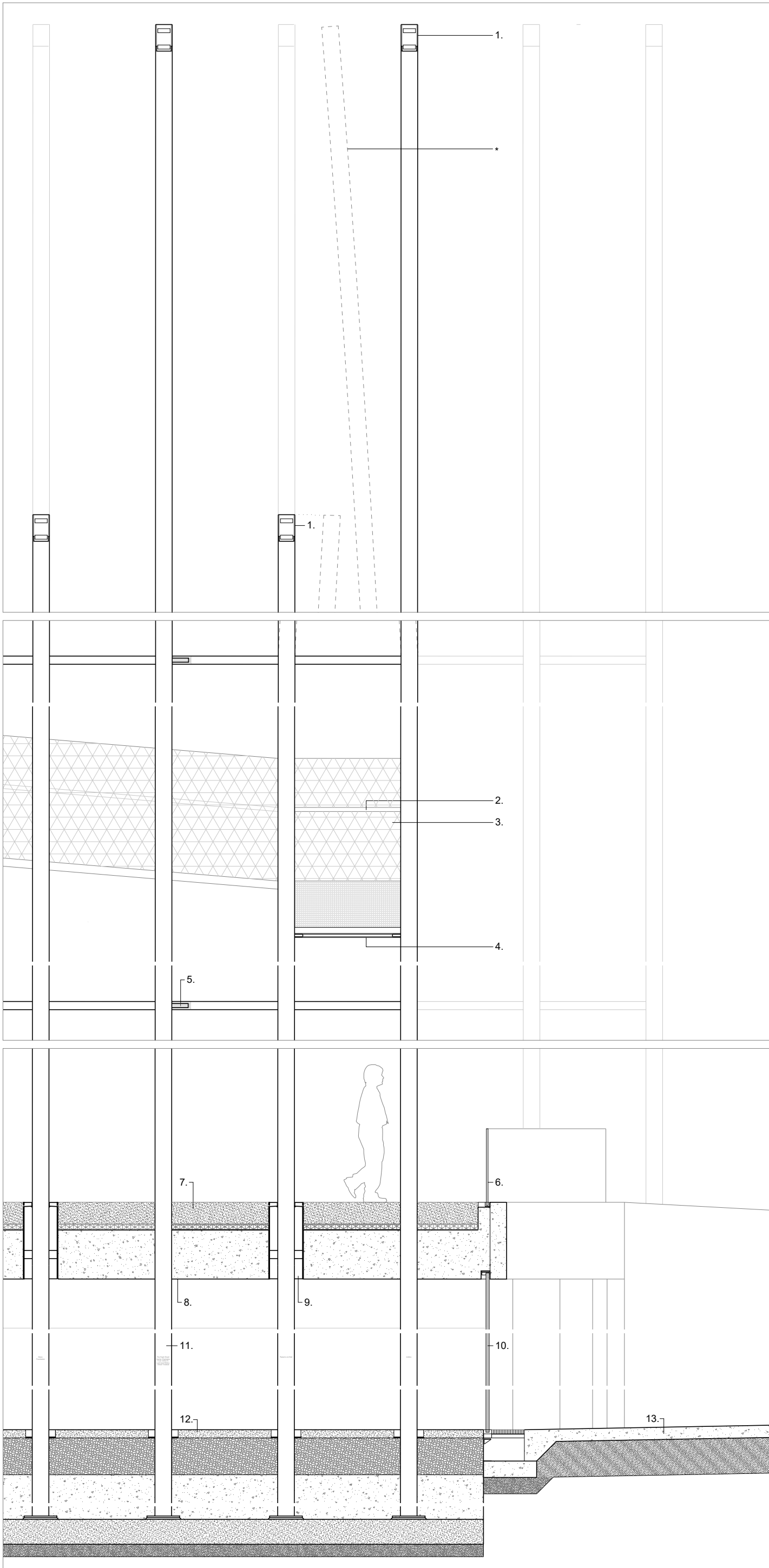
PROJECT:  
 SCHAMATIC DESIGN  
**BREEZE OF INNOVATION**  
 URBAN CONFLUENCE SILICON VALLEY  
 SAN JOSE, CALIFORNIA

CLIENT:  
**SAN JOSE LIGHT  
 TOWER CORPORATION**

ARCHITECT:  
**SMAR ARCHITECTURE STUDIO**  
 with: MBH Architects \_ hok \_ Megrussen Klemencic Associates \_ Nitco \_ BKF \_ Engeo \_ tbd consultants

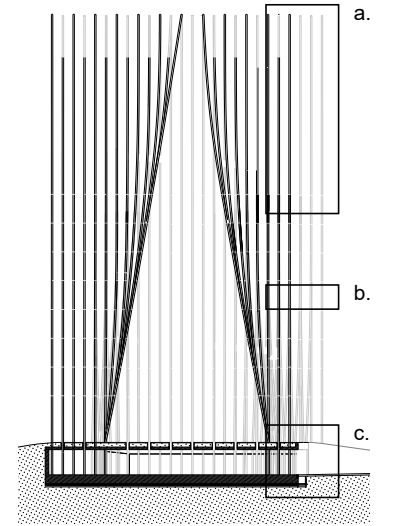
SHEET TITLE:  
**SECTION 02**  
 SCALE: 1:400

SCHEMATIC DESIGN  
 DRAWING NO:  
**A-251**



a.

▽ Top of Rods RL 200.0'



▽ Top of Rods RL 180.0'

b.

1. Energy generating responsive lighting tips
2. Continuous stainless steel handrail fixed to balustrade substructure at 2'10" via concealed connection
3. Woven stainless steel mesh balustrade to 5' above floor surface
4. Non-slip surface and proprietary energy generating paving system on 2" SPS floor system with, fixed on site via concealed bolted connection to stub welded to vertical rod
5. 4" stainless steel bracing tube welded to vertical rod. Connects to adjacent rod assemblies via threaded connection on site
6. Structural low-iron glass handrail
7. 10" Crushed white gravel, on geotextile membrane, on 4" structural drainage layer, on waterproof membrane
8. Concrete soffit
9. 16" diameter tubular skylight around stainless steel rod
10. Low-iron glass facade
11. Stainless steel rod, satin finish, with engraved donor names
12. 4" Polished concrete screed, over 18" gravel, over 4' concrete raft slab, over 12" setting out slab
13. 6" Slab on grade on 18" engineered fill

c.

- \* Designed extent of rod sway shown dashed

▽ Upper Ground FFL 7.0

▽ Underside of Ceiling RL 4.0'

▽ Natural Ground Level RL 0.0'  
86.0' ASL

▽ Lower Ground FFL -7.5'

DATE	REV	DESCRIPTION
12.01.2021	0	FOR REVIEW

PROJECT:  
SCHEMATIC DESIGN  
**BREEZE OF INNOVATION**  
URBAN CONFLUENCE SILICON VALLEY  
SAN JOSE, CALIFORNIA

CLIENT:  
**SAN JOSE LIGHT TOWER CORPORATION**

ARCHITECT:  
**SMAR ARCHITECTURE STUDIO**  
with: MBH Architects \_ hok \_ Megrussen Klemencic Associates \_ Niteo \_ BKF \_ Engeo \_ tbd consultants

SHEET TITLE:  
**CONSTRUCTION SECTION**  
SCALE: 1:50

SCHEMATIC DESIGN  
DRAWING NO.:  
**A-252**

BREEZE OF  
INNOVATION

SMAR Architecture Studio  
MBH Architects  
Magnusson Klemencic  
HOK  
BKF  
Engel  
niteo  
tbd consultants

JAN 18, 2021