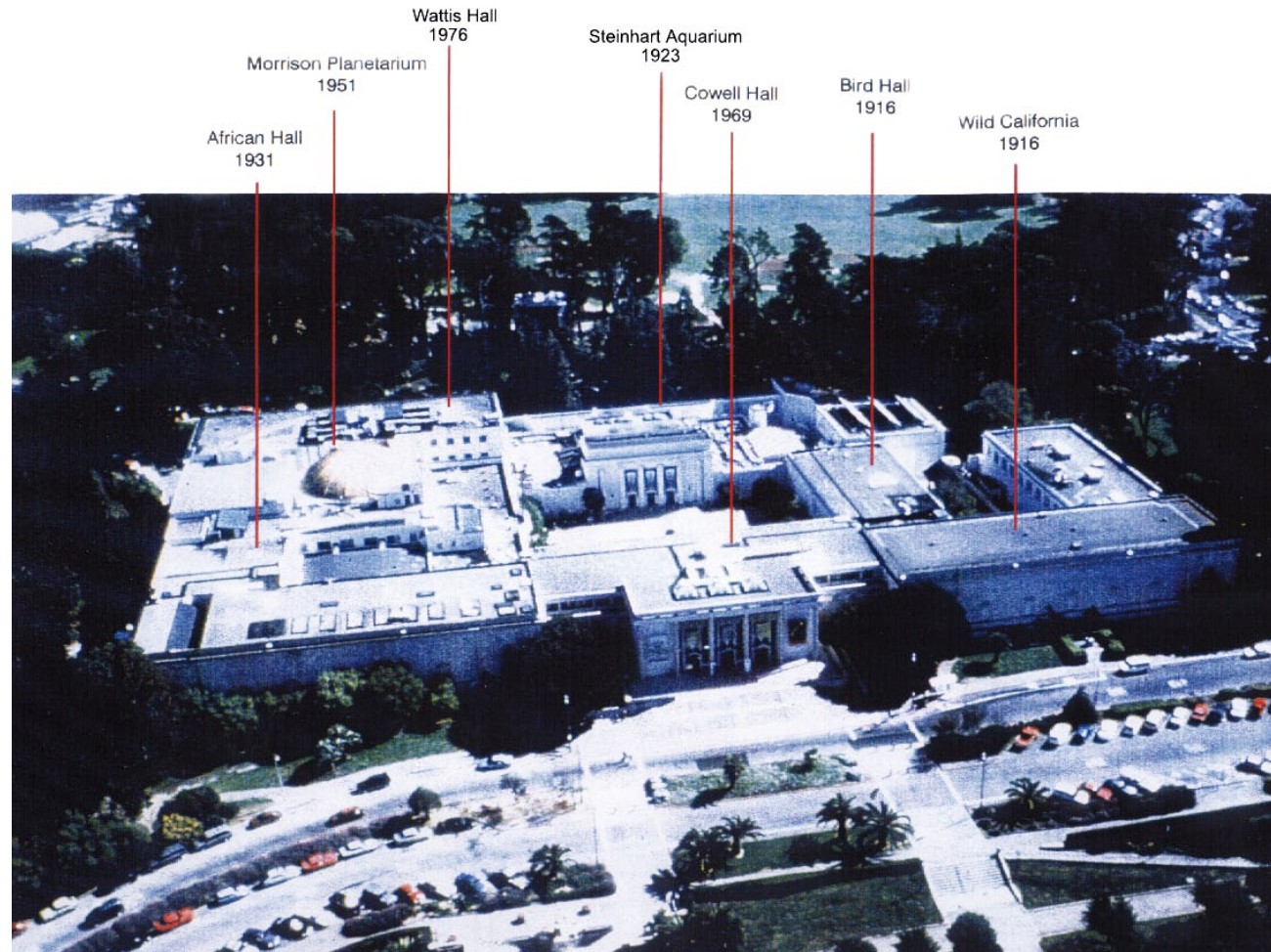


1950

La California Academy of Sciences era costituita da 12 edifici separati e 2 corti interne.
 The California Academy of Sciences was a complex of 12 separate buildings and 2 enclosed courtyards.

1916	Courtyard	8,364 sq. ft.	[777 m ²]
1916	North American Hall Wild California Bird Hall	54,820 sq. ft.	[5.094 m ²]
1923	Steinhart Aquarium	45,132 sq. ft.	[4.194 m ²]
1931	African Hall	33,462 sq. ft.	[3.109 m ²]
1951	Science Hall Morrison Planetarium Lowell-White Hall Auditorium African Annex	67,996 sq. ft.	[6.319 m ²]
1959	Library Building	22,222 sq. ft.	[2.065 m ²]
1969	Central Courtyard	20,787 sq. ft.	[1.931 m ²]
1969	Cowell Hall and Porch/Deck	33,096 sq. ft.	[3.075 m ²]
1976	Mc Bean/Peterson Gallery	13,395 sq. ft.	[1.244 m ²]
1976	Wattis Hall	57,000 sq. ft.	[5.297 m ²]
1977	Roundabout Building	12,044 sq. ft.	[1.120 m ²]
1989	McBean/Peterson Addition	2,095 sq. ft.	[194 m ²]
1989	Jewett/Linking Hall	5,510 sq. ft.	[512 m ²]
1991	Herbst Portico	2,520 sq. ft.	[234 m ²]
	Superficie totale / Total surface	378,443 sq. ft.	[35.171 m ²]

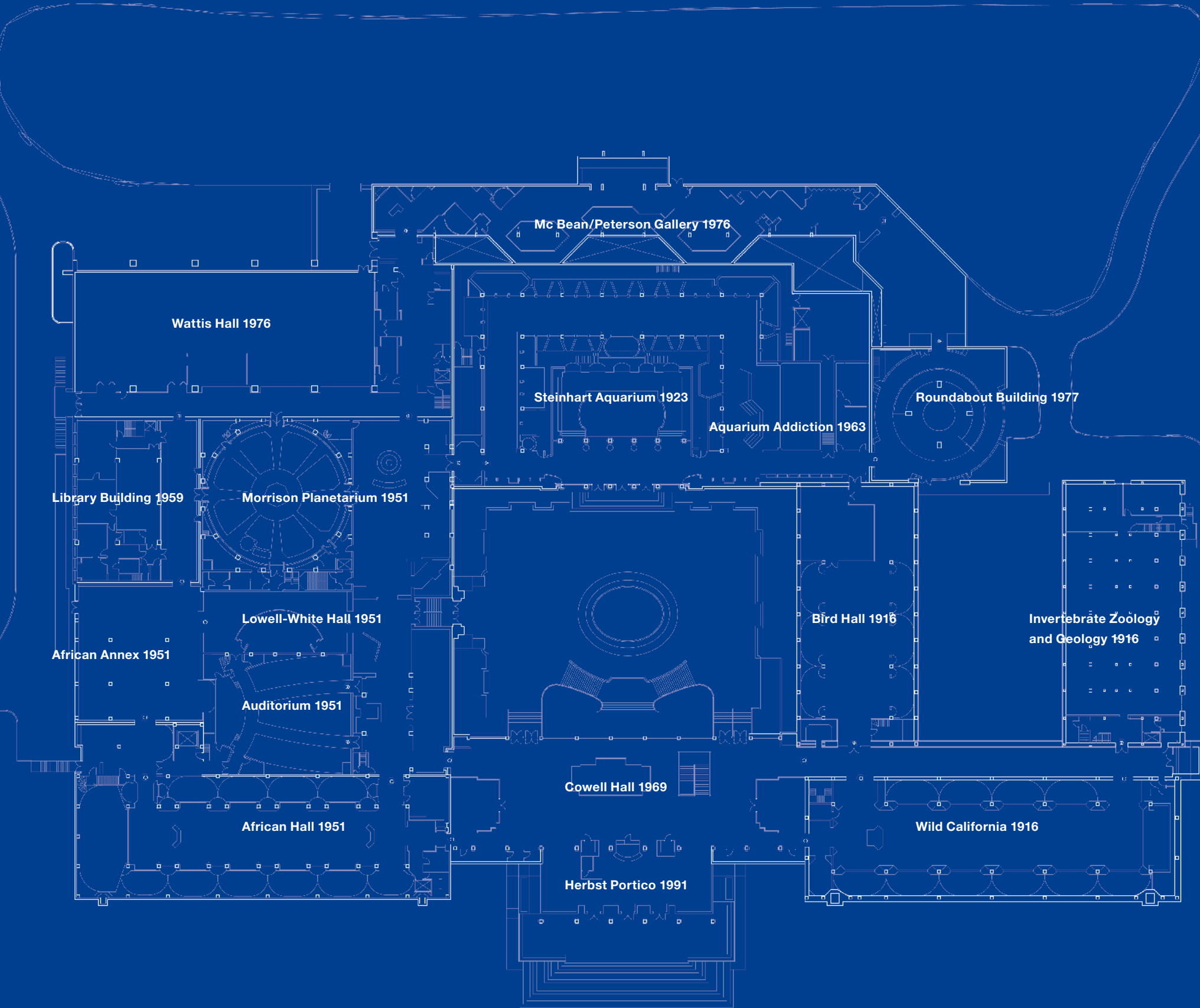


Livello di rischio in seguito al terremoto di Loma Prieta (1989) in base al "City Seismic Hazard Rating" (da 0 a 4)

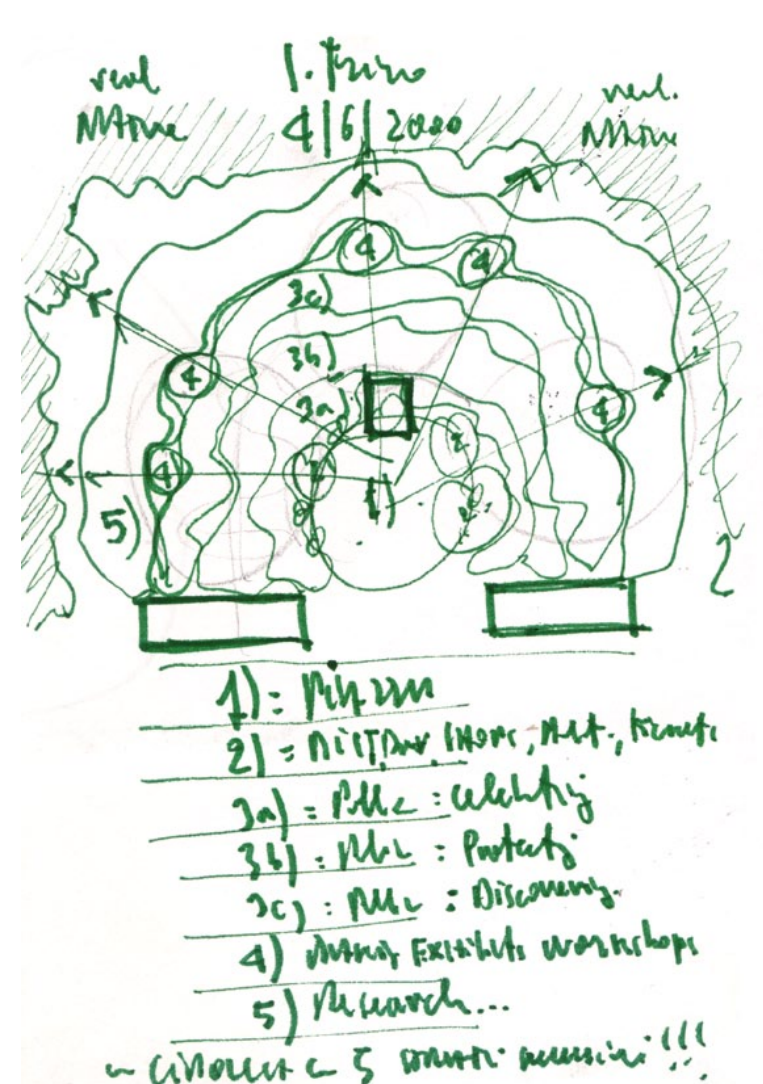
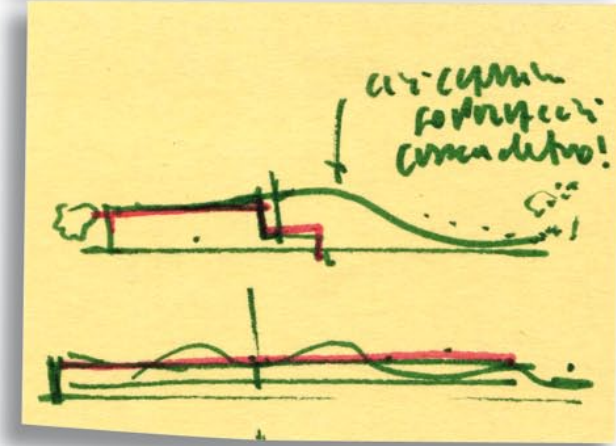
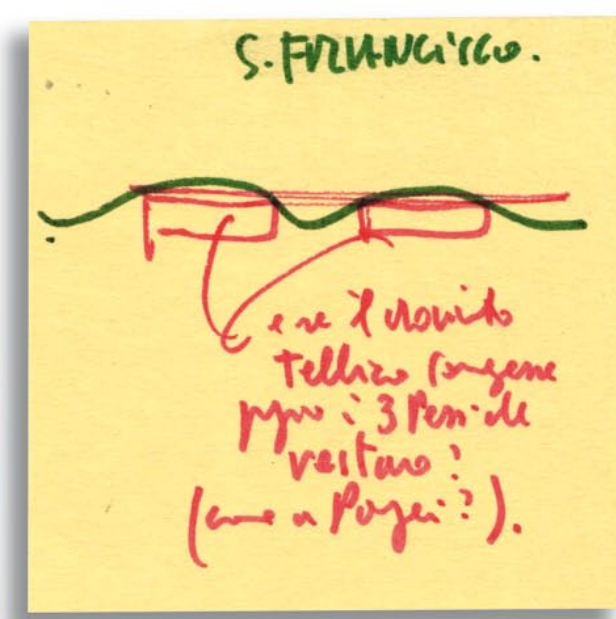
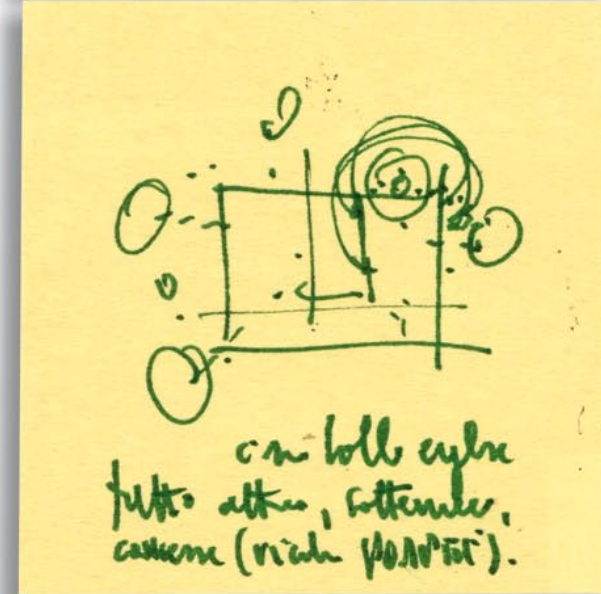
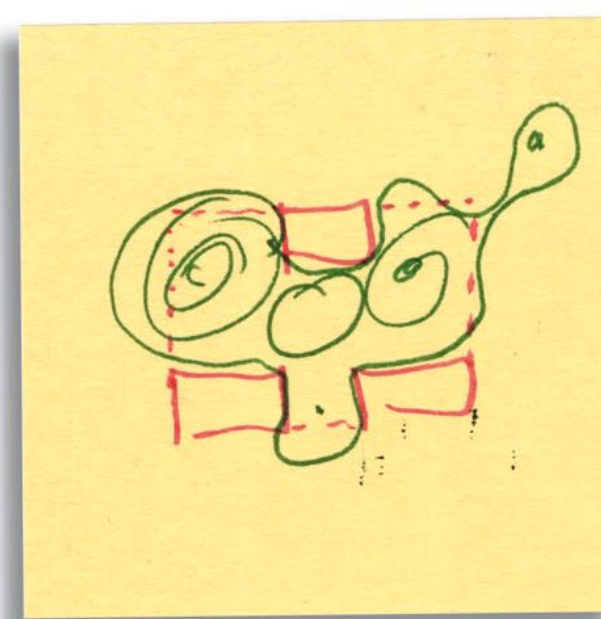
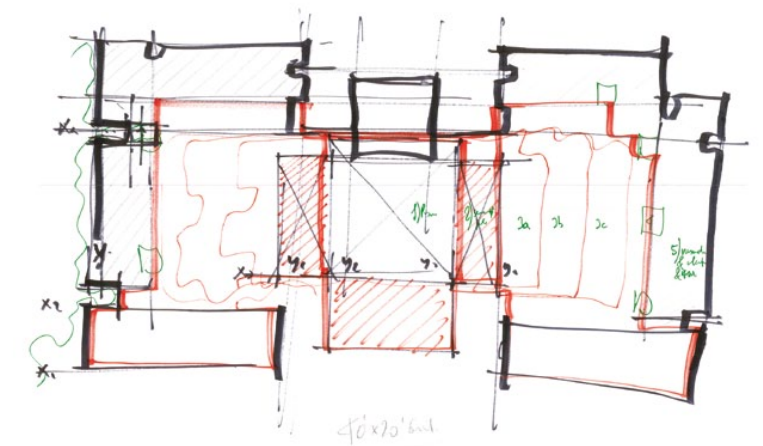
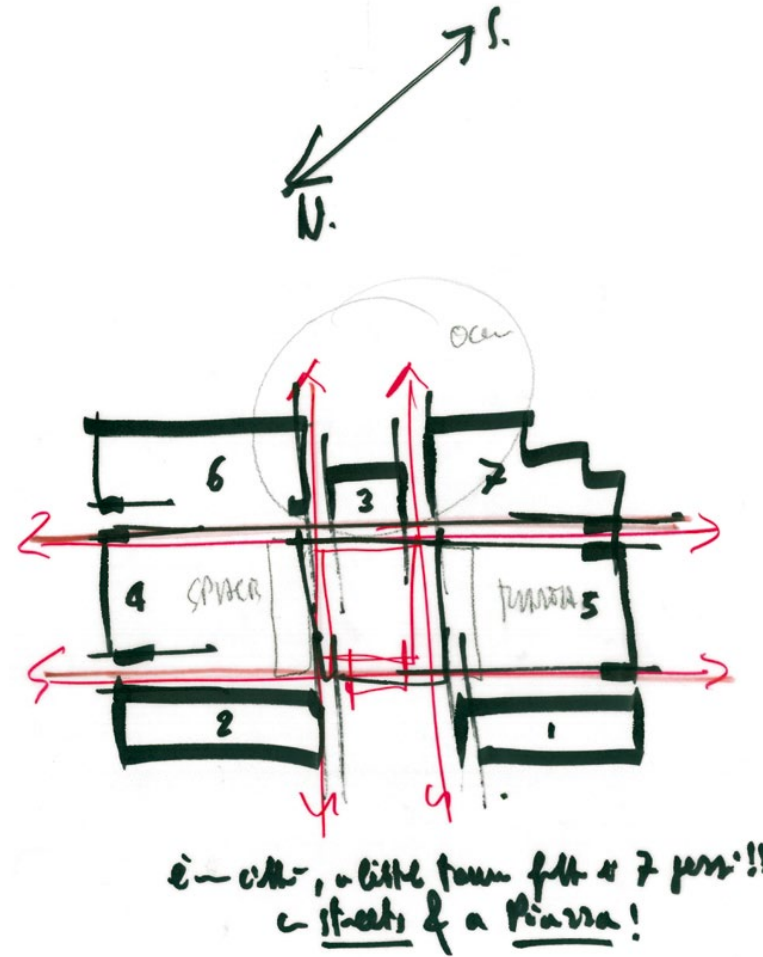
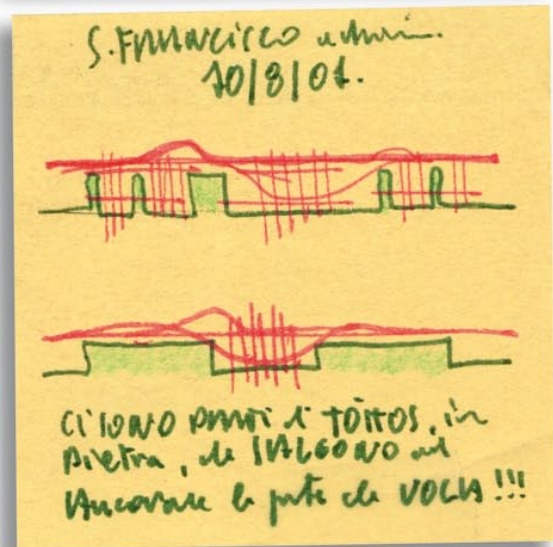
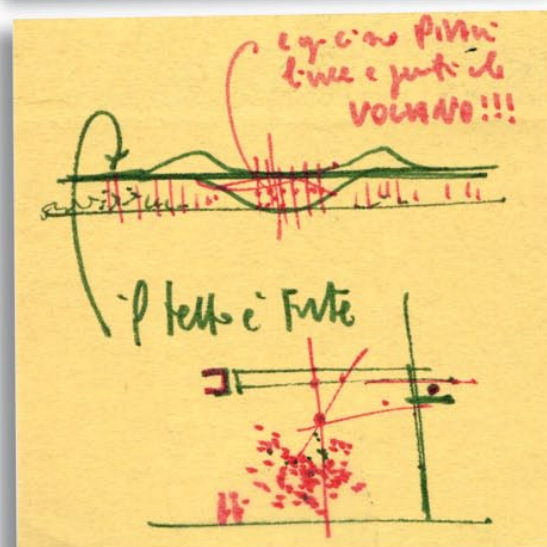
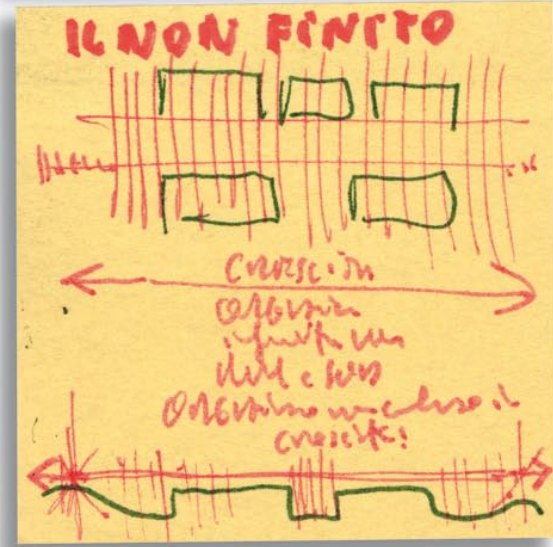
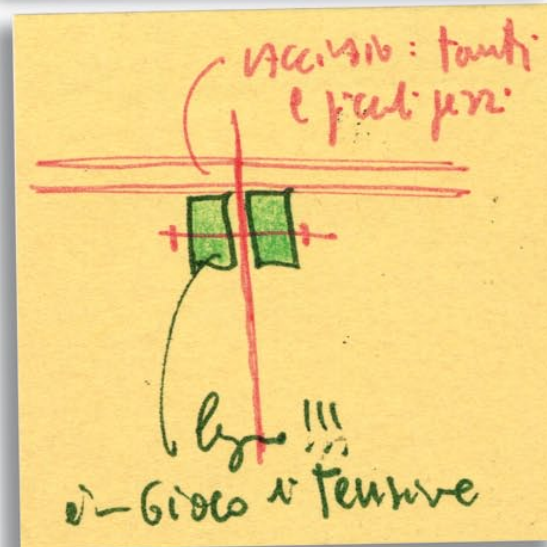
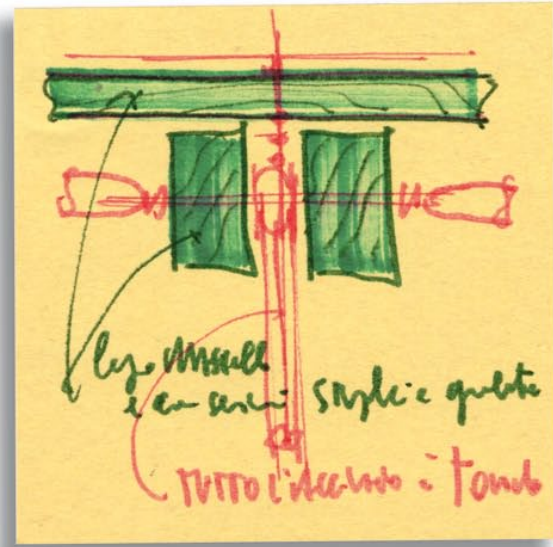
Bird Hall: 4
 African Hall: 3
 Science Hall: 3
 Roundabout Building: 3
 Tutti gli altri edifici non raggiungevano gli standard di sicurezza adottati a livello internazionale dopo il terremoto di Kobe (1995).

Seismic Hazard Rating after the Loma Prieta earthquake (1989) from 0 to 4:

Bird Hall: 4
 African hall: 3
 Science Hall: 3
 Roundabout Building: 4
 All the others buildings didn't meet the new standards that were adopted internationally after the earthquake in Kobe (1995).

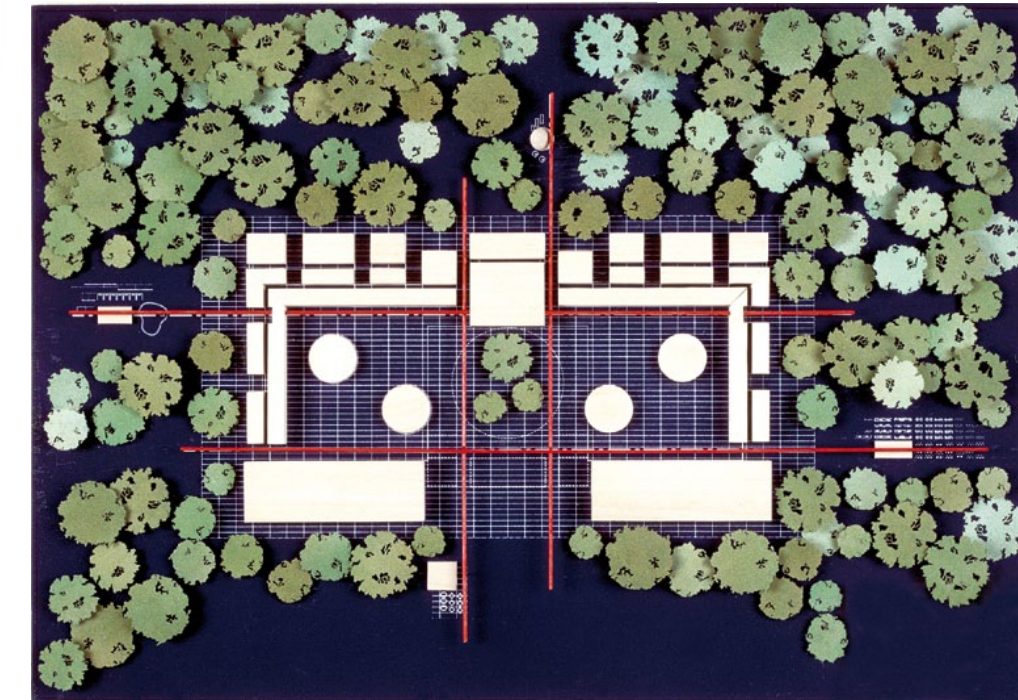


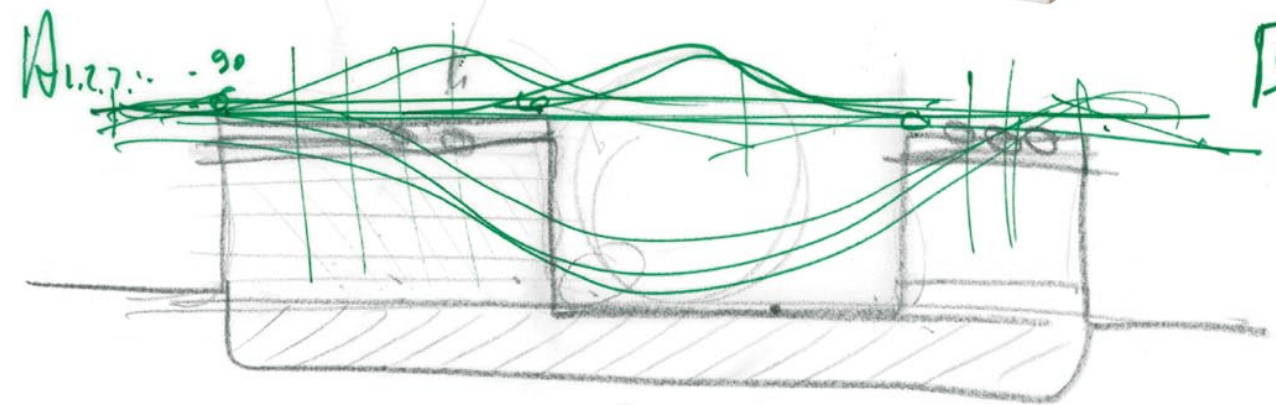
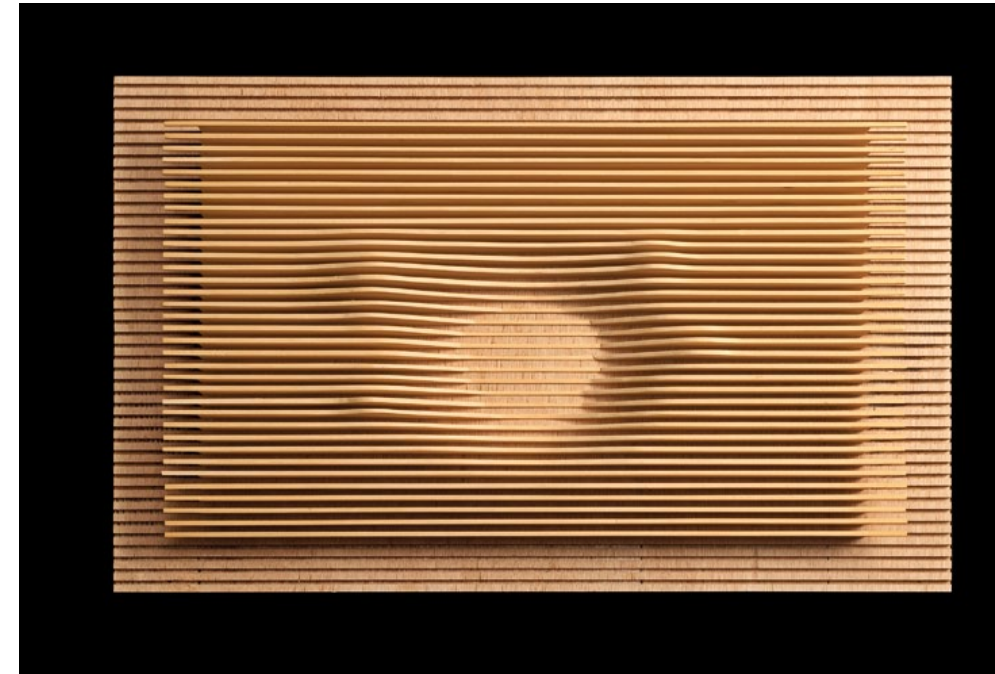
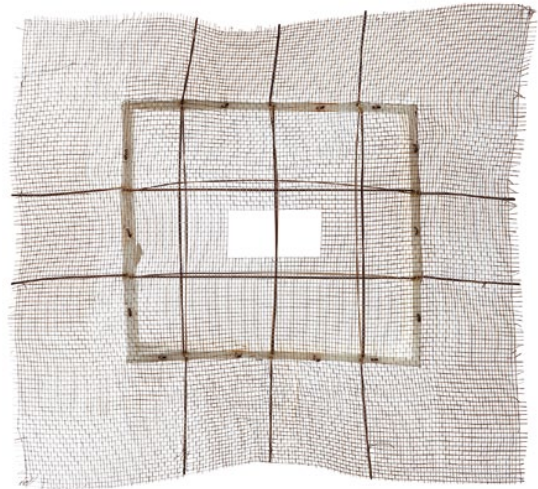
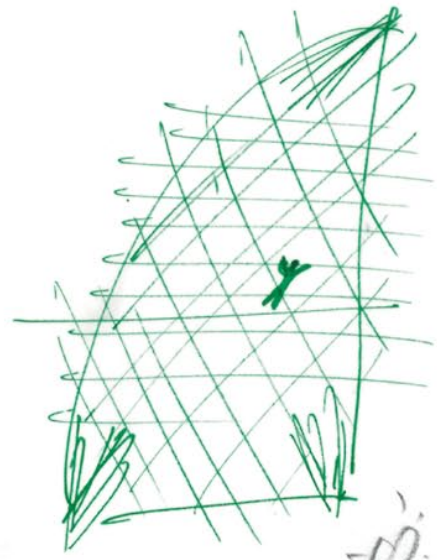
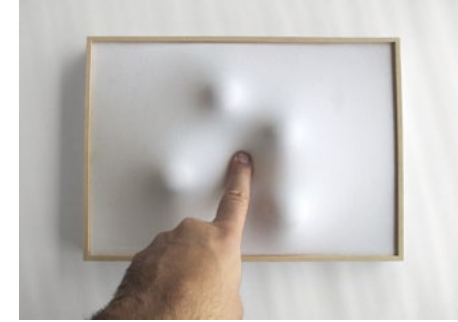
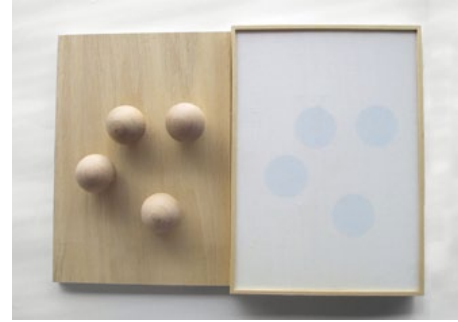
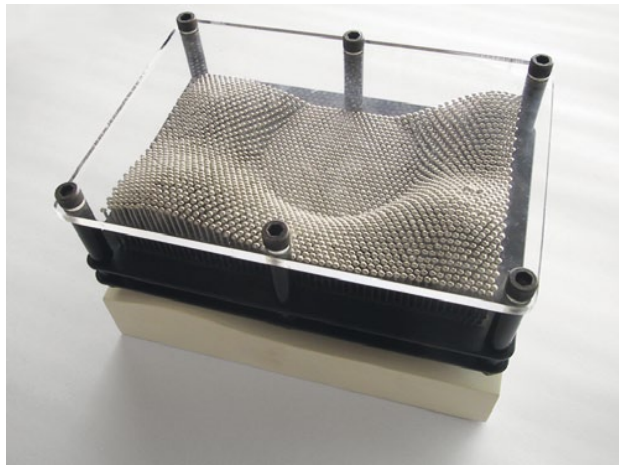
S. FRANCISCO



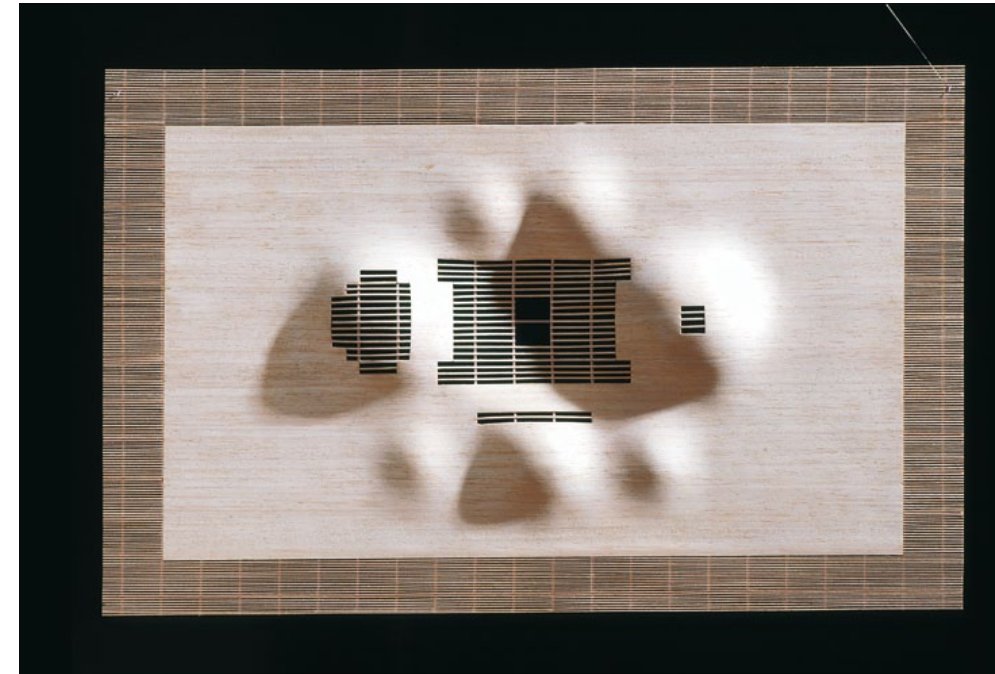
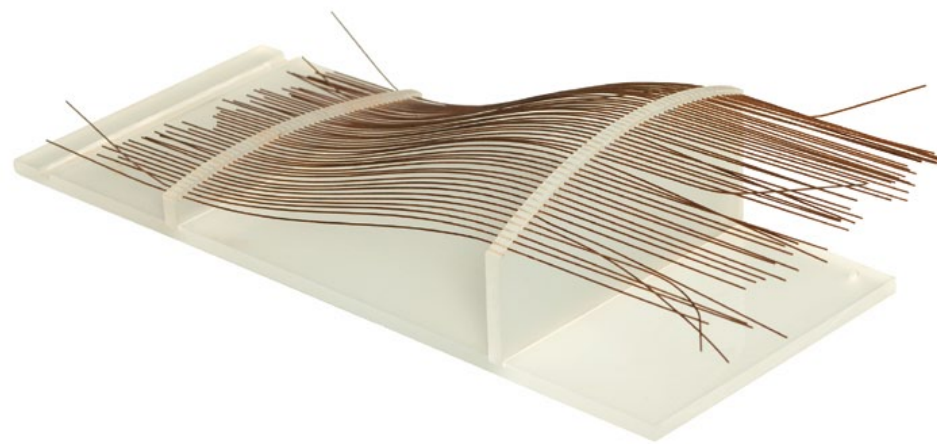
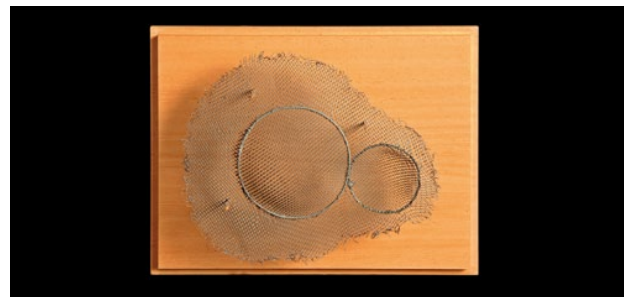
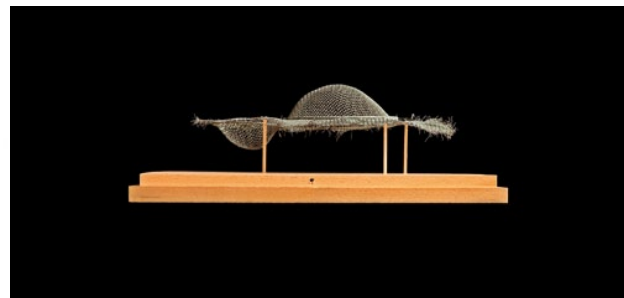
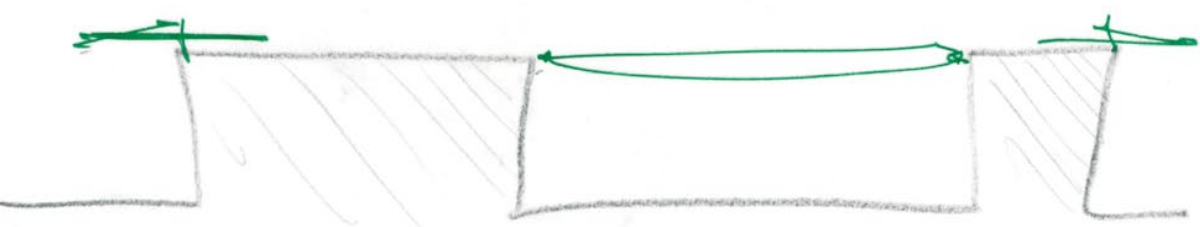
In qualche modo il museo era una piccola città, costituita da 12 edifici separati. C'era persino una piazza al centro. Proprio così: tutti gli edifici erano cresciuti lentamente attorno ad un quadrato, che era una specie di piazza a cielo aperto.

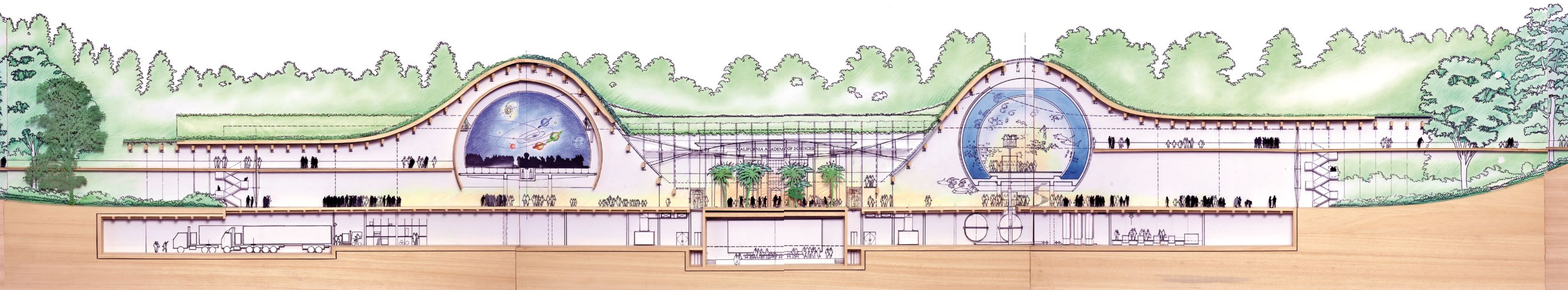
In a sense the museum was a little town of twelve separate buildings. There was even a central plaza. That's right. All the buildings had grown up around a square, a sort of open-air Italian-style piazza.

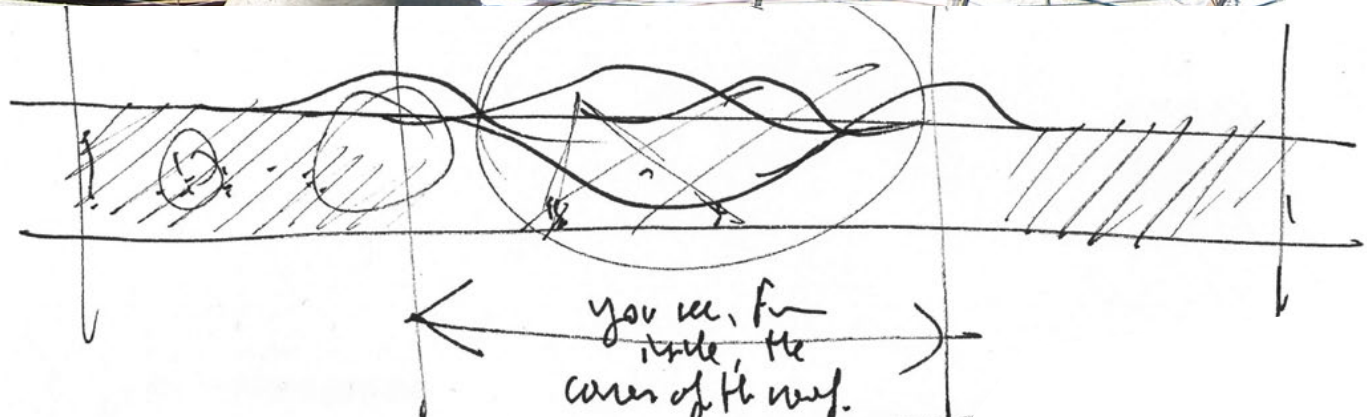




B. 1. 2. 3. - 90







90% of all demolition materials were recycled

32,000 tons of sand from foundation excavation applied to dune restoration projects in San Francisco

95% of all steel from recycled sources

15% fly ash (a recycled coal by-product),

35% slag in concrete

50% of lumber harvested from sustainable-yield forests

68% of insulation comes from recycled blue jeans

90% of office space will have natural light and ventilation

60,000 photovoltaic cells; 213,000 kilowatt-hours

30% less energy consumption than federal code requirement

Il 90% dei detriti di demolizione sono stati riciclati

32 tonnellate di sabbia, provenienti dagli scavi, sono state utilizzate nei progetti di rifacimento delle dune di San Francisco.

Il 95% dell'acciaio proviene da fonti riciclate

15% di ceneri volatili (sottoprodotto riciclato del carbone)

35% di scorie in calcestruzzo

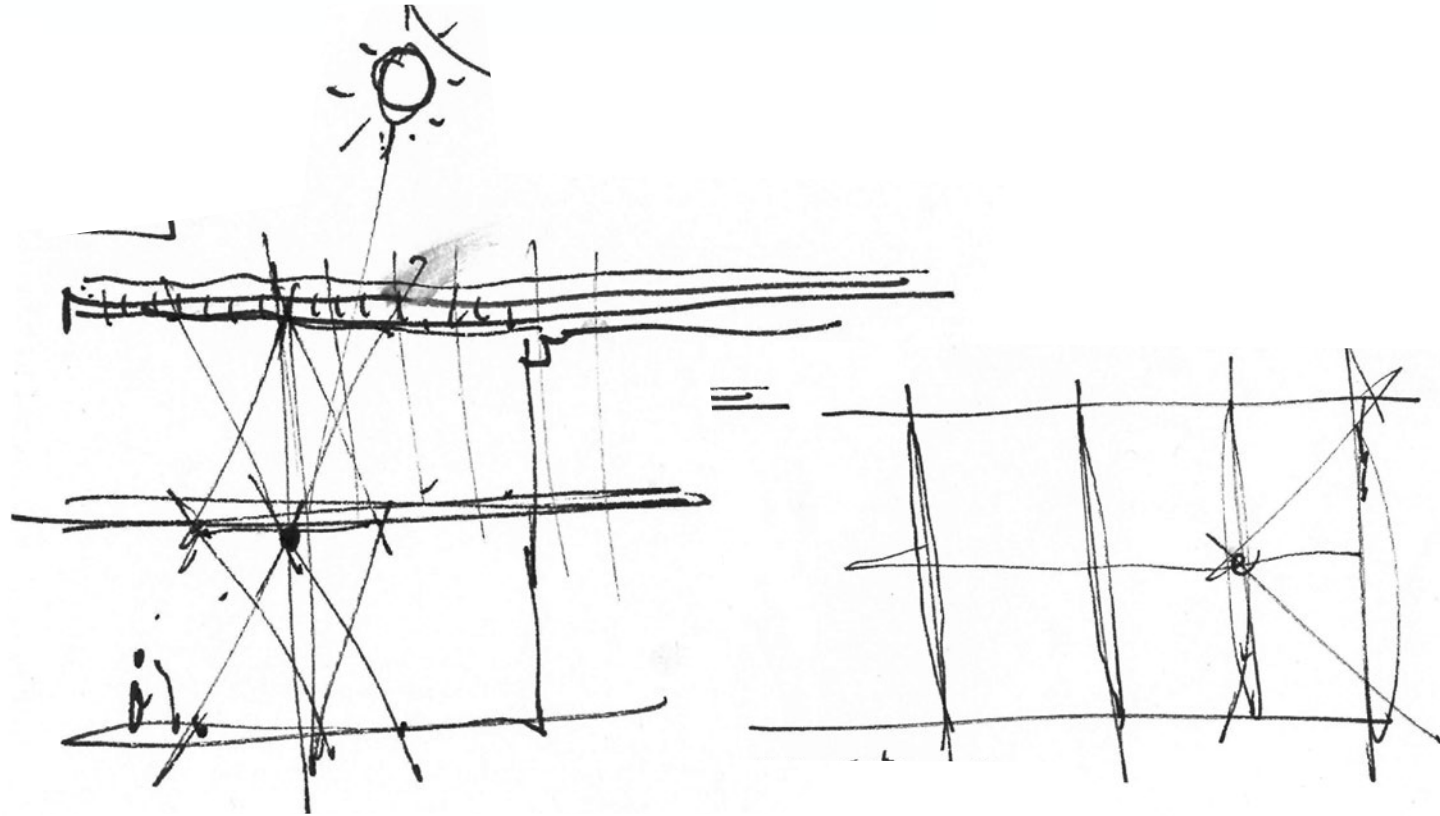
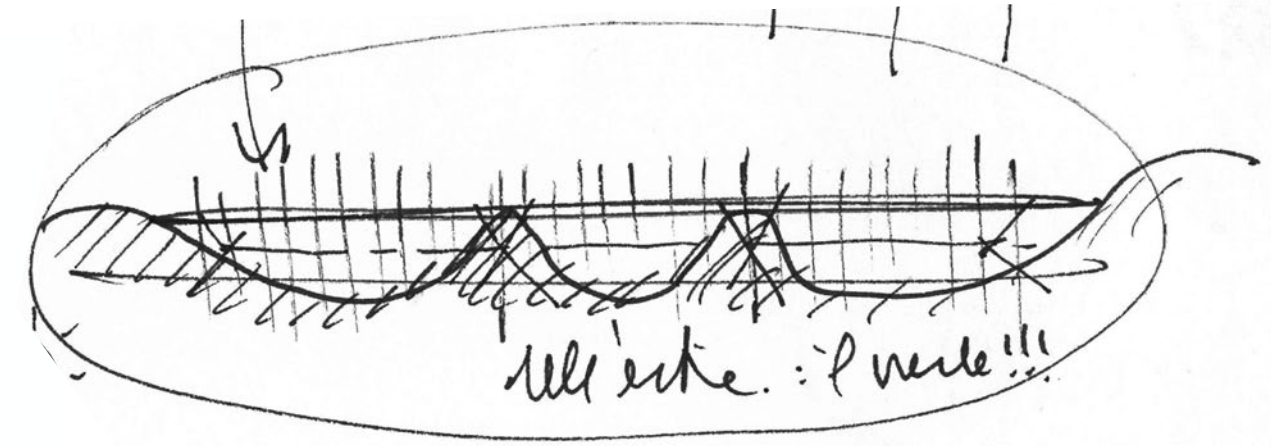
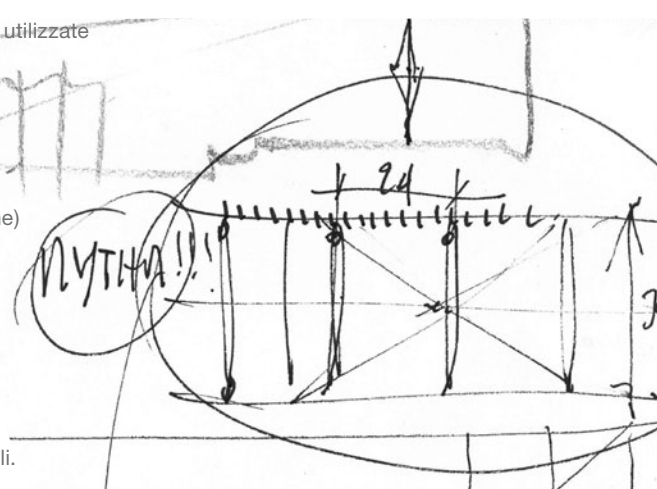
50% del legno proviene da foreste a gestione sostenibile.

Il 68% del materiale di isolamento proviene dal riciclo di blue jeans.

Il 90% degli uffici hanno illuminazione e ventilazione naturali.

60.000 cellule fotovoltaiche, 213.000 kilowatt-ora

30% di riduzione del consumo energetico rispetto al fabbisogno previsto dal codice federale.



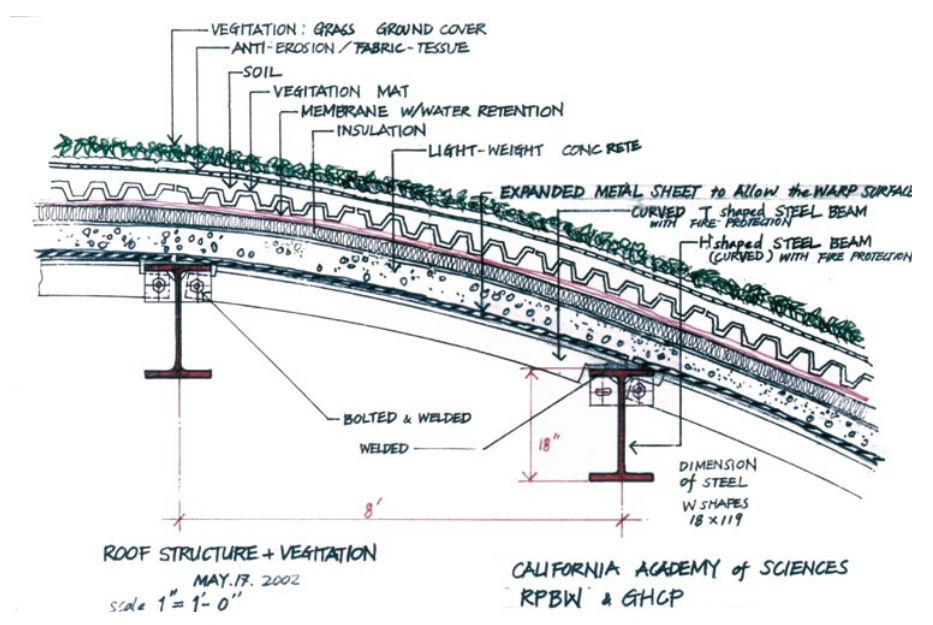
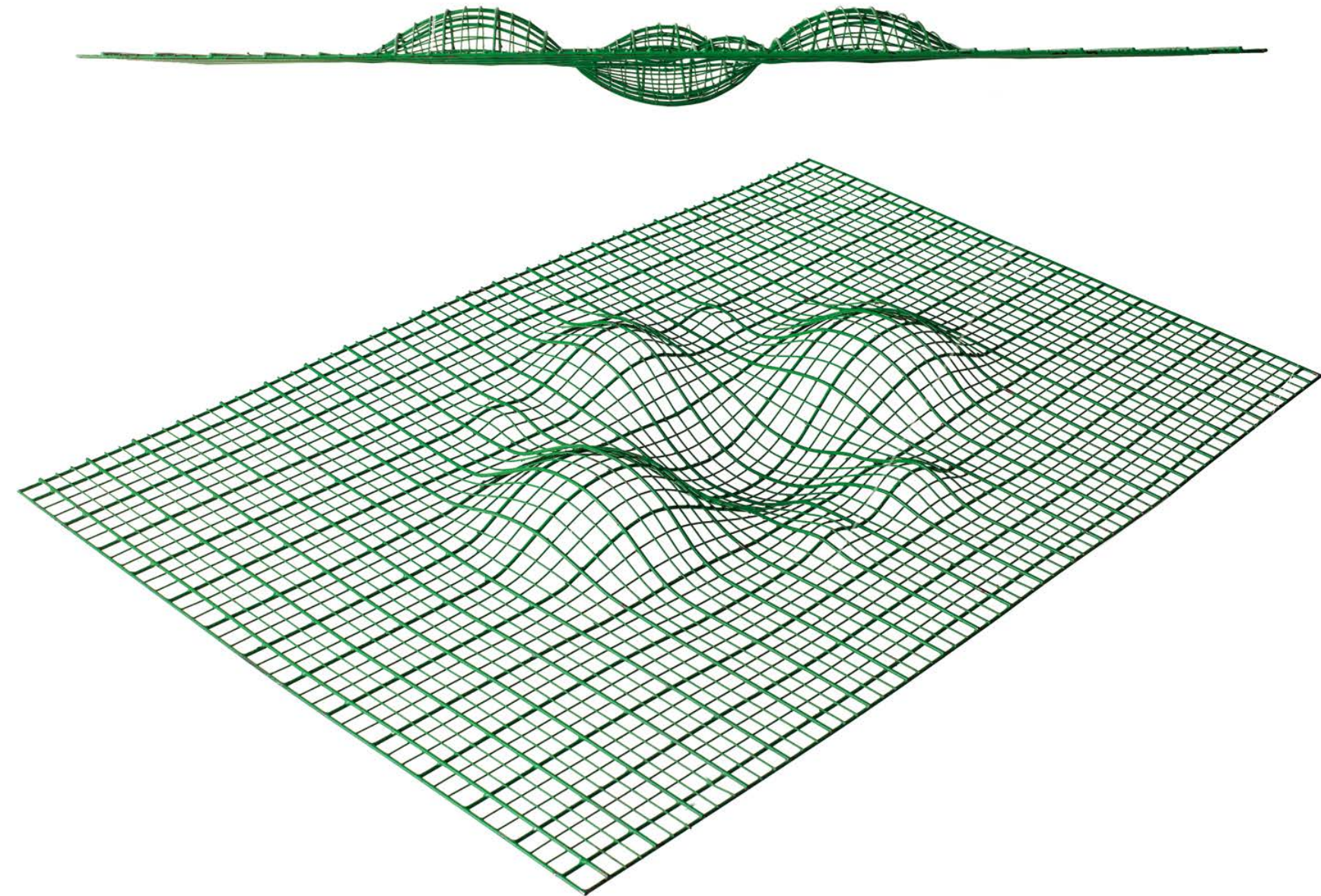


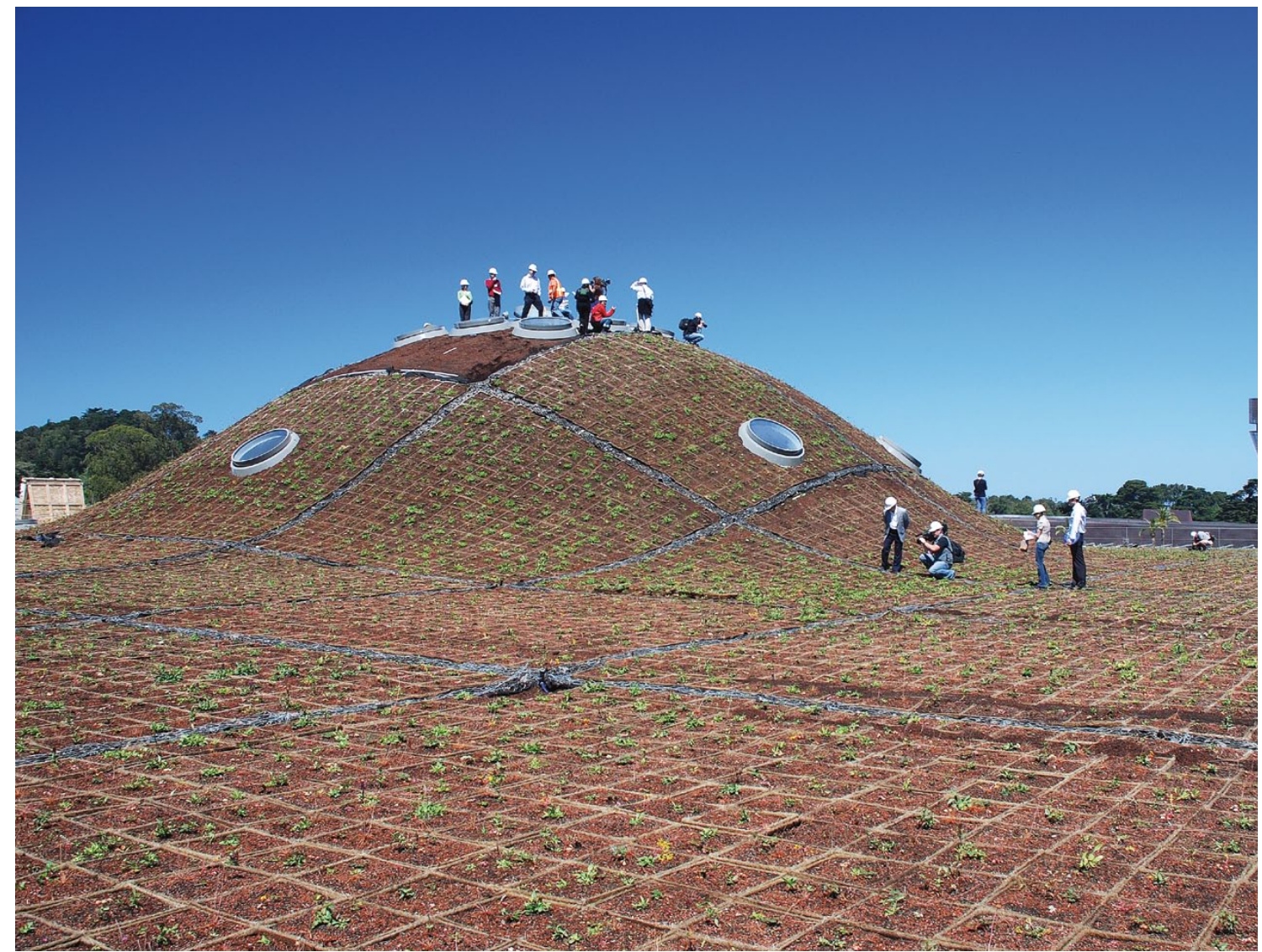
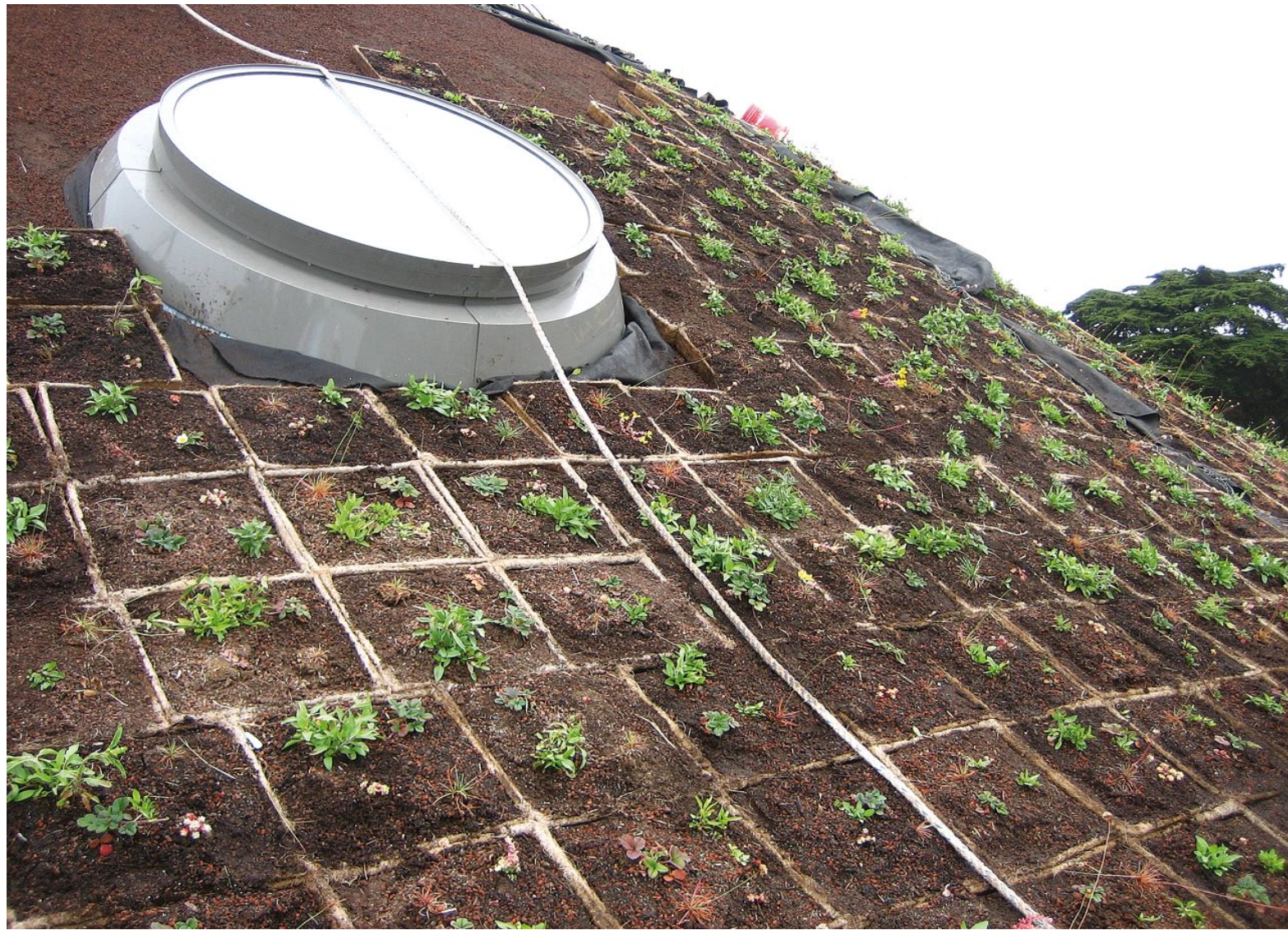


Queste specie furono poi piantate sul tetto del museo, erano un milione e settecentomila, tutte messe in "vassoi" di un materiale organico che dopo la radicazione spariscono e diventano terra.

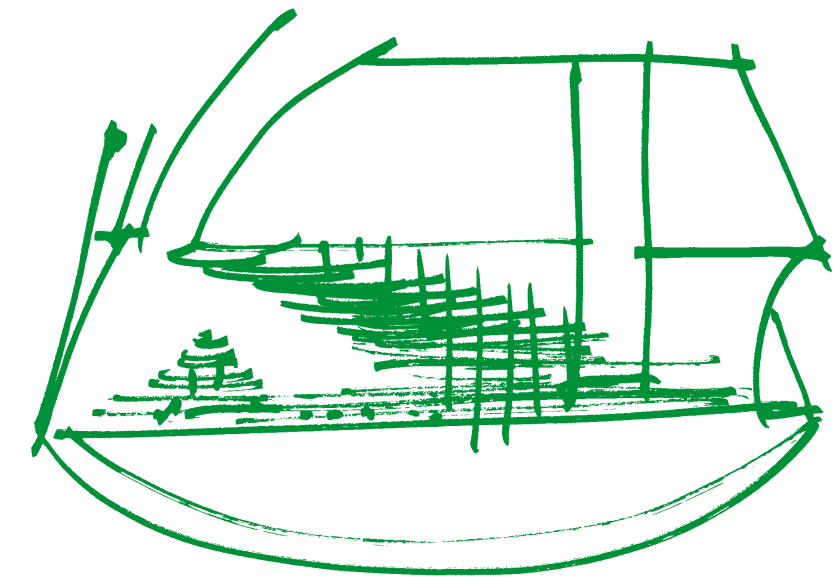
One million seven hundred thousand examples of these species were then planted on the roof of the museum, placed in biodegradable organic trays that after rooting, they disappear and become soil.

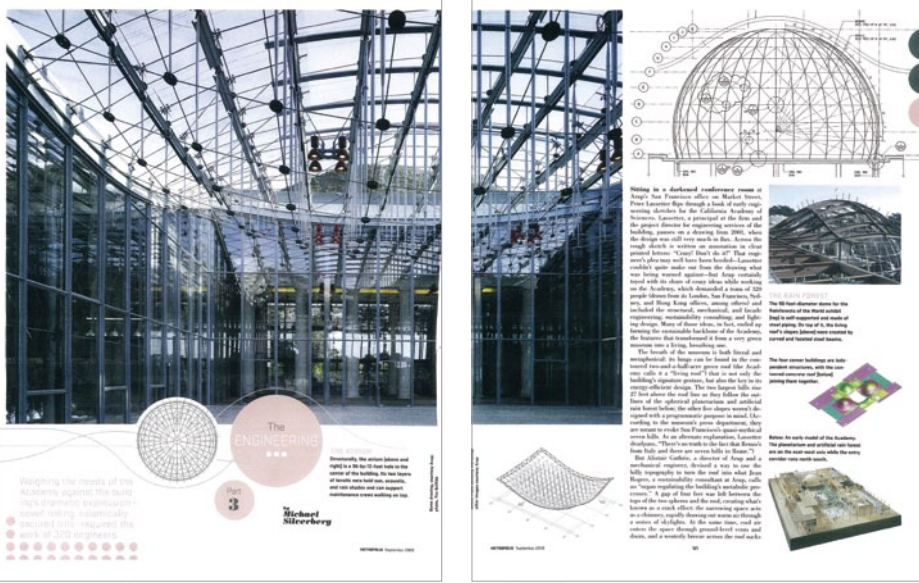












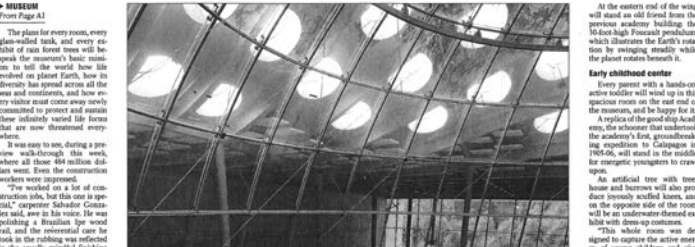
San Francisco Chronicle PAGE 11

Living roof tops Sciences Academy plan

Design will be revealed today

By John King, CHRONICLE LEAD DESIGN WRITER Golden Gate Park could get four acres of greenery added to it in the most unlikely location...

ACADEMY OF SCIENCES BREATHTAKING BUILDING



The design team's goal was to create a building that would be a landmark in Golden Gate Park...

Arts

King of the Hill. Italian architect Renzo Piano is changing the face of America, one inventive building at a time

ACADEMY OF SCIENCES IS ACADEMY'S NEW HOME

The new building incorporates the 1930s African Hall, lined with dioramas. The roof of the museum's lobby is supported by a gossamerlike web of cables and swells upward as if the roof were breathing.

ACADEMY OF SCIENCES: Officials getting keys to new \$484 million structure, which is ready to be filled with 20 million research specimens and 38,000 live animals in preparation for its fall 2008 opening



San Francisco Chronicle photo by Michael Moore/The Chronicle

BREATHTAKING SNEAK PEEK

Take a deep breath, science buffs — and get ready to be blown away. The newly built \$484 million California Academy of Sciences was officially turned over to academy officials on Friday...



Jamie Perez walks through a tunnel that leads to the four-story living rain forest dome at the new museum.

By Kevin Fagan and David Perlman, CHRONICLE STAFF WRITERS The Academy of Sciences is a place where the science of life meets the art of architecture...

THE Arts

A Building That Blooms and Grows, Balancing Nature and Civilization



California Academy of Sciences. Designed by Renzo Piano, the San Francisco museum's new building, top and above, opens on Saturday.

SAN FRANCISCO — Not all architects embrace the idea of evolution. Some, fixated on the 20th-century notion of the avant-garde, view their work as a divine revelation...

By Renzo Piano, ARCHITECTURE REVIEW The Academy of Sciences building is the last in a series of ambitious projects to be conceived and around the park's Mies van der Rohe museum since the devastating 1906 Loma Prieta earthquake.

THE Arts

A Building That Blooms, Balancing Humanity and Nature



The new California Academy of Sciences is capped with a living roof that will be planted with native wildflowers and grasses.

From First Arts Page heart structure has been built off the ground and suspended in midair. The idea is to create a balance between public and private, inside and out, the Cartesian order

From First Arts Page heart structure has been built off the ground and suspended in midair. The idea is to create a balance between public and private, inside and out, the Cartesian order

THE Arts

Un museo firmato dall'ecologia



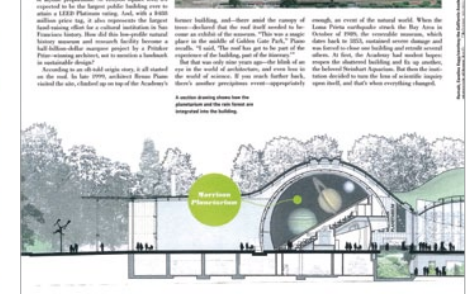
Il foto 24 Ore Venerdì 26 settembre 2008 - N. 286

GRANDI OPERE LA CALIFORNIA ACADEMY OF SCIENCES Domani sarà inaugurato a San Francisco il nuovo edificio progettato dall'architetto genovese

Un museo firmato dall'ecologia. Renzo Piano: «Una Ferrari a zero consumi e zero emissioni» - Hi-tech e vivibilità

THE Arts

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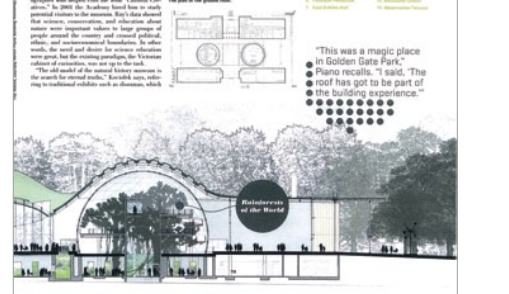
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