

THE ARCHITECT AS STORYTELLER

collaborative media projects at Harvard

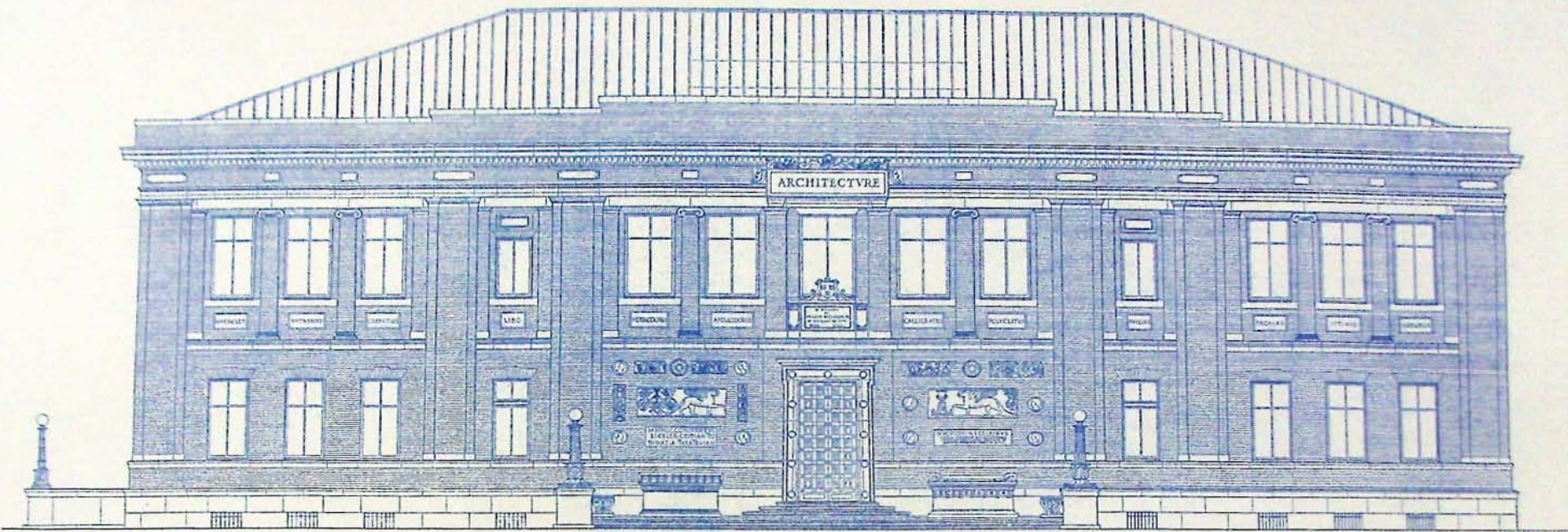
International Design Symposium
Kyoto University Design School
15 March 2013

Mark Mulligan
Director, Master in Architecture Degree Program
Harvard Graduate School of Design

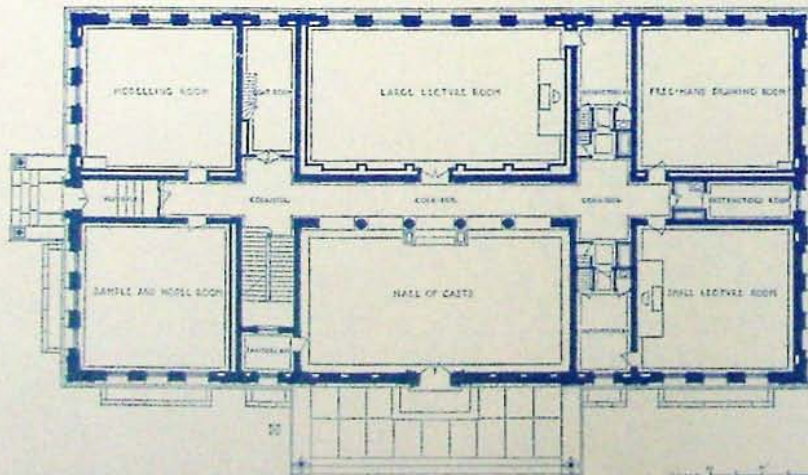


PART ONE: INTRODUCTION TO THE GSD

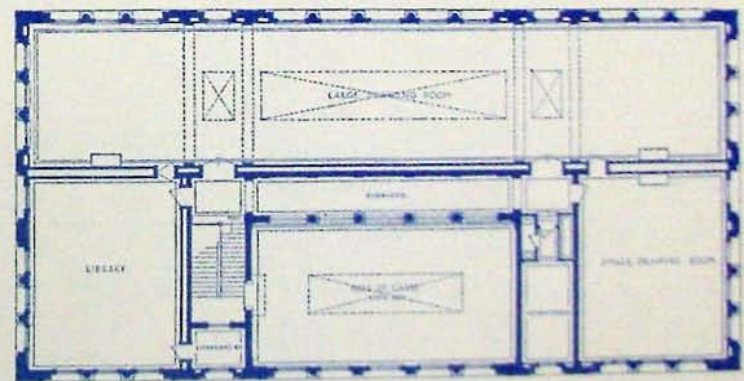
Harvard University's Graduate School of Design: the only major architecture school in the US whose name does not include the word "architecture"; an implicit understanding that design knowledge and expertise require interdisciplinarity.



SCALE 0 10 20 30 40 FEET
ELEVATION



SECOND FLOOR PLAN



FIRST FLOOR PLAN

ROBINSON HALL, HARVARD UNIVERSITY, CAMBRIDGE, MASS.
1904

Robinson Hall: the first home (1936-1972) of Harvard's Graduate School of Design, formed by joining the previously independent Departments of Architecture and Landscape Architecture.

The GSD today: nearly 800 students enrolled in ten separate degree programs in architecture, landscape, urban planning, urban design, and advanced study programs.







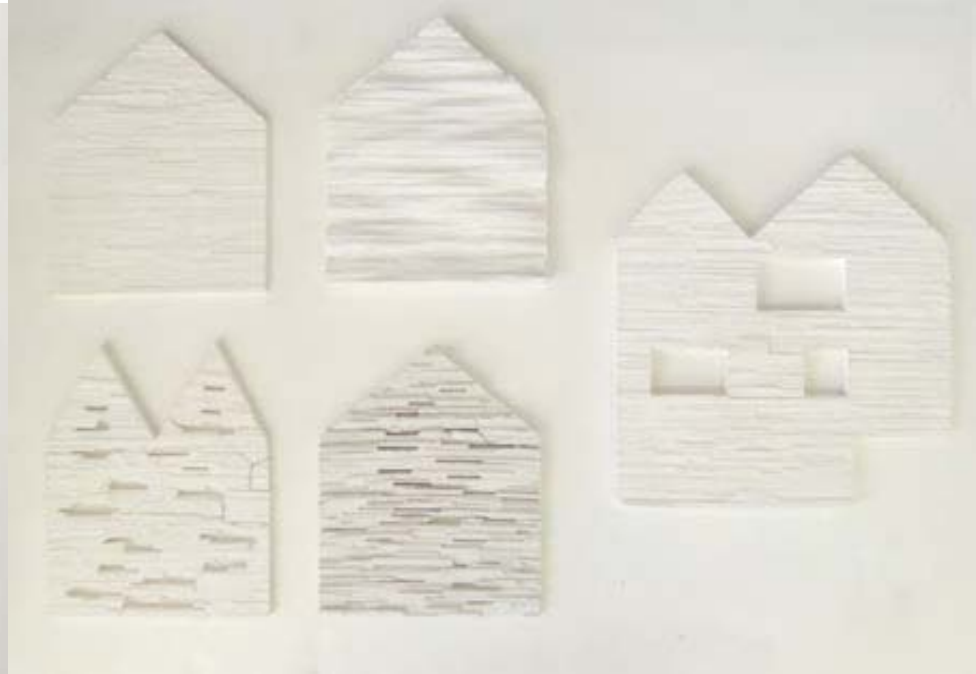
GSD programs: centered on design of the built environment, with occasional forays into furniture, product, web and graphic design... lectures on clothing, food, and scent design.



Studio pedagogy: high faculty-student ratio, hands-on instruction at the desk. Project-based research historically viewed as “too subjective” by other parts of the university, such as science faculty. The need to communicate better the value of what we do as designers to a broader public.



Juried reviews, public presentations: the architect as storyteller, arguing for creative synthesis of values.

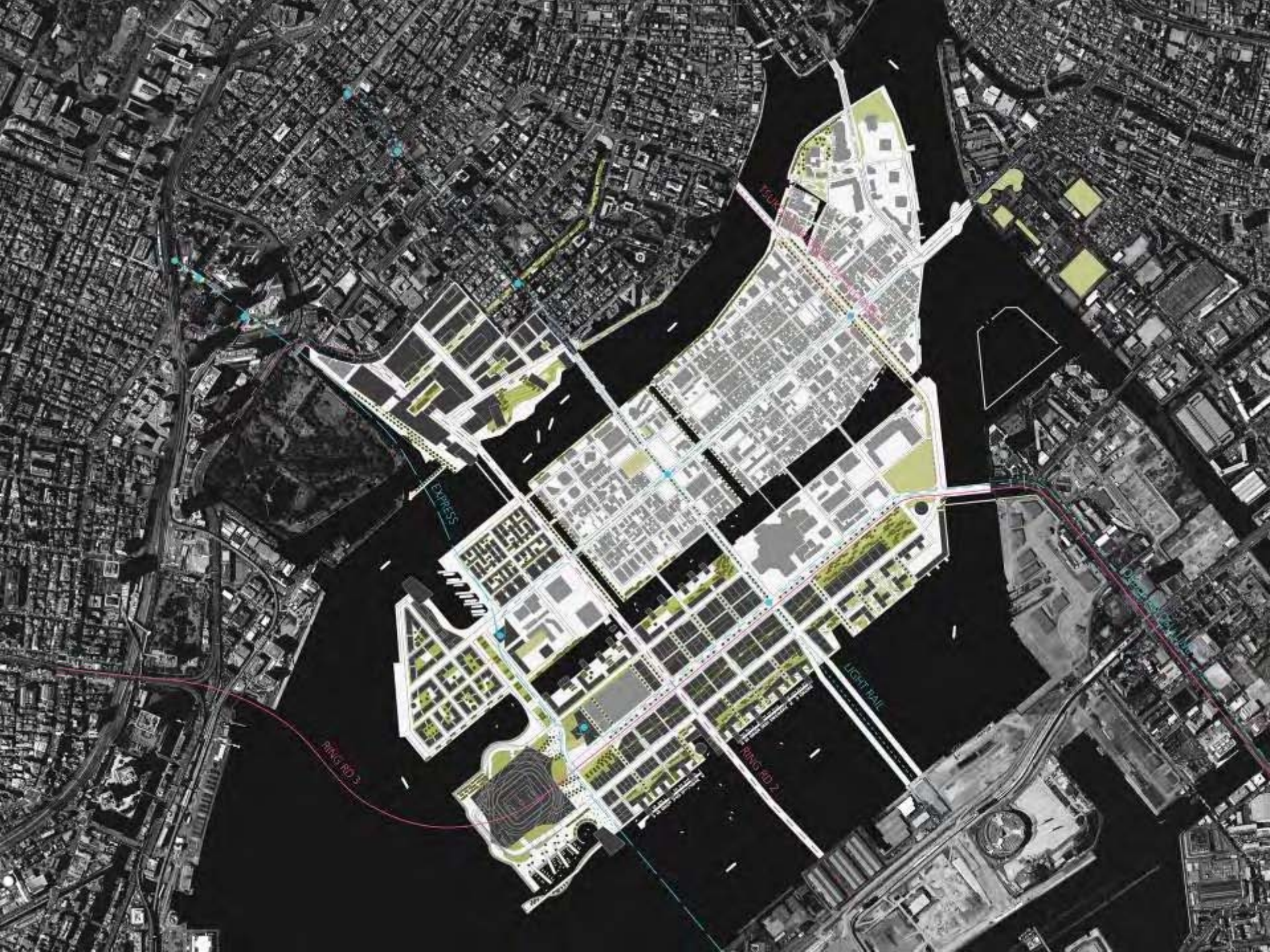


Examples of student design research in architecture...



...urban planning and design...







The GSD today: striving for greater integration within the University's intellectual life, shifting the School's mission from professional training to establishing a stronger research focus.





Faculty and students reminded of their responsibility to communicate the value of what we do to the world outside, relying on expertise in visualization, research, and writing...



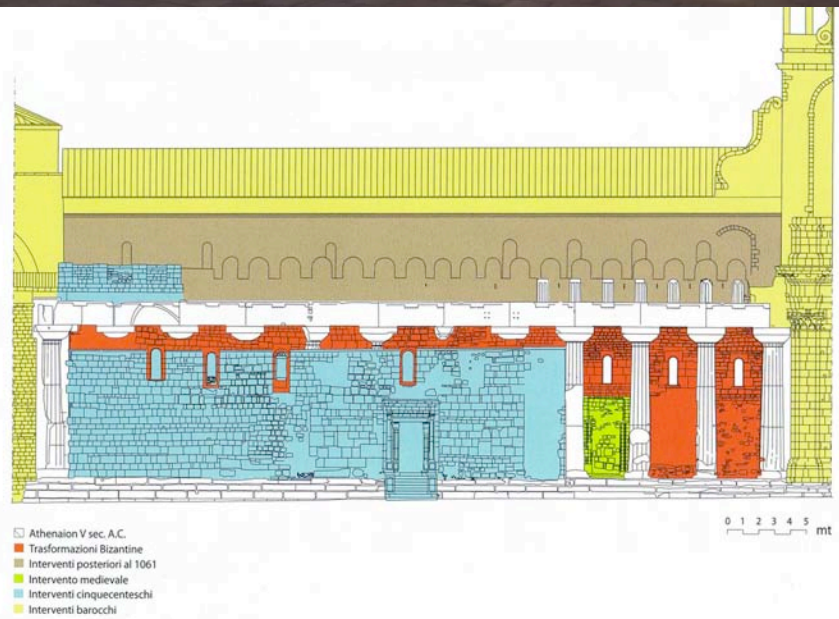
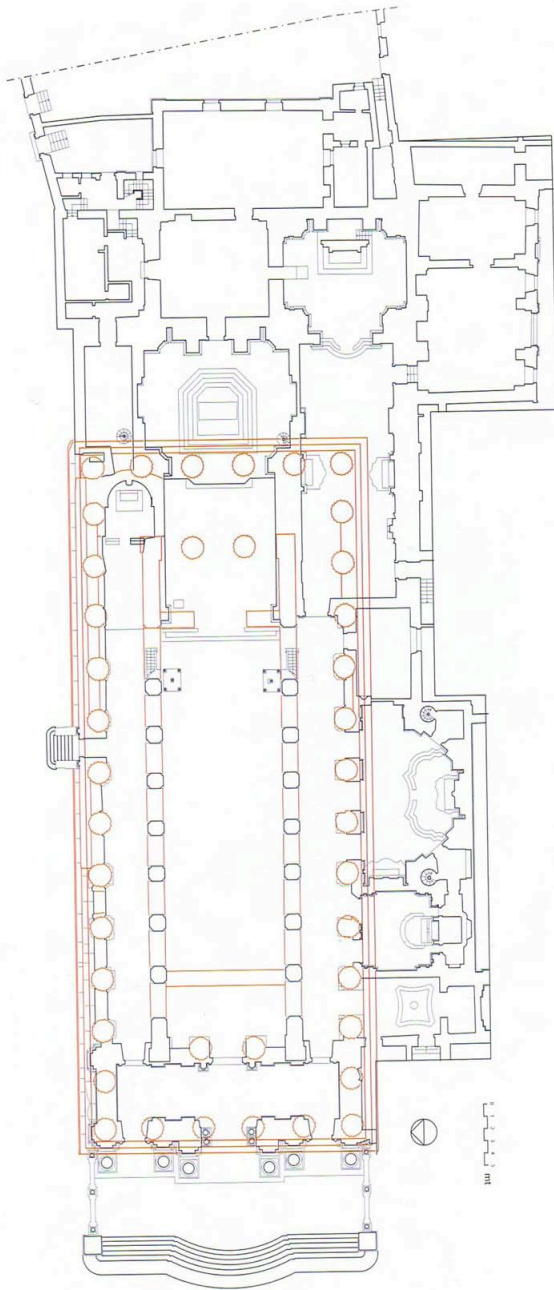
Collaborative, hands-on projects involving students from different disciplines and of interest to a public audience.



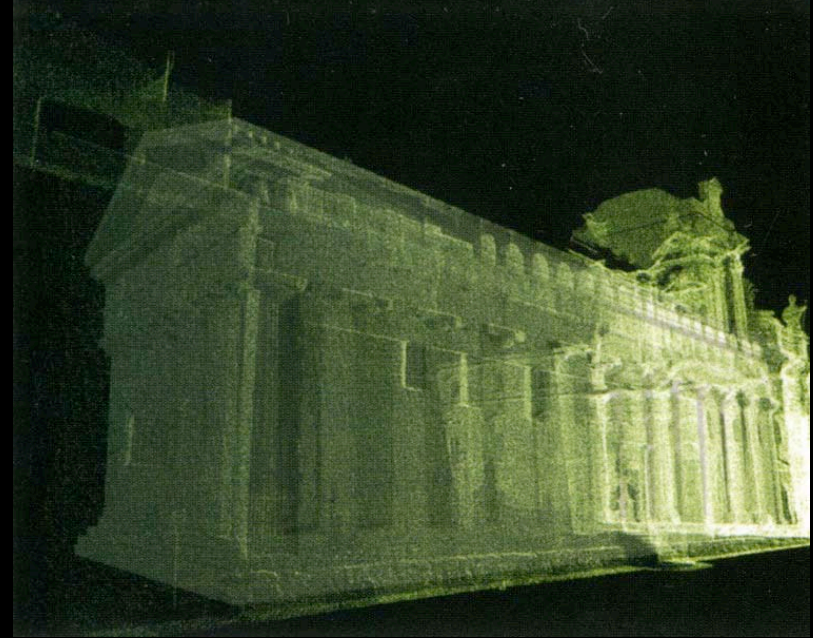
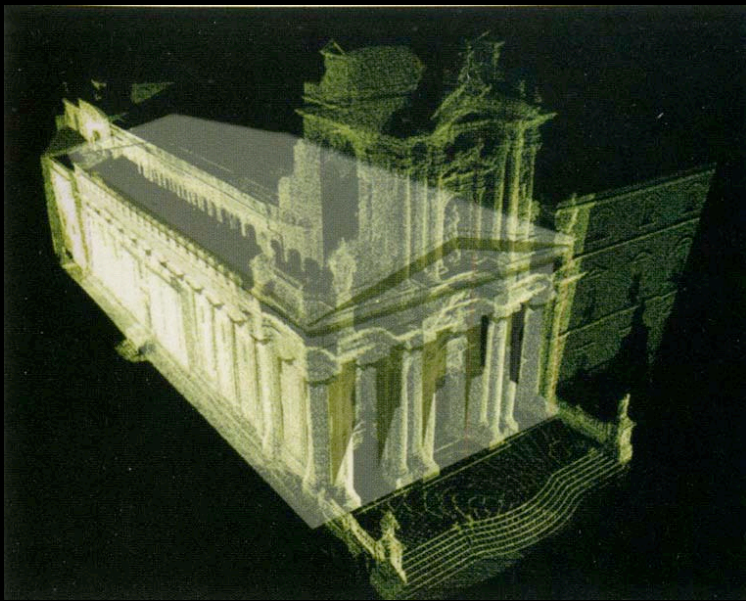
PART TWO: example of interdisciplinary research area “Critical Conservation”

Cathedral in Siracusa, Italy

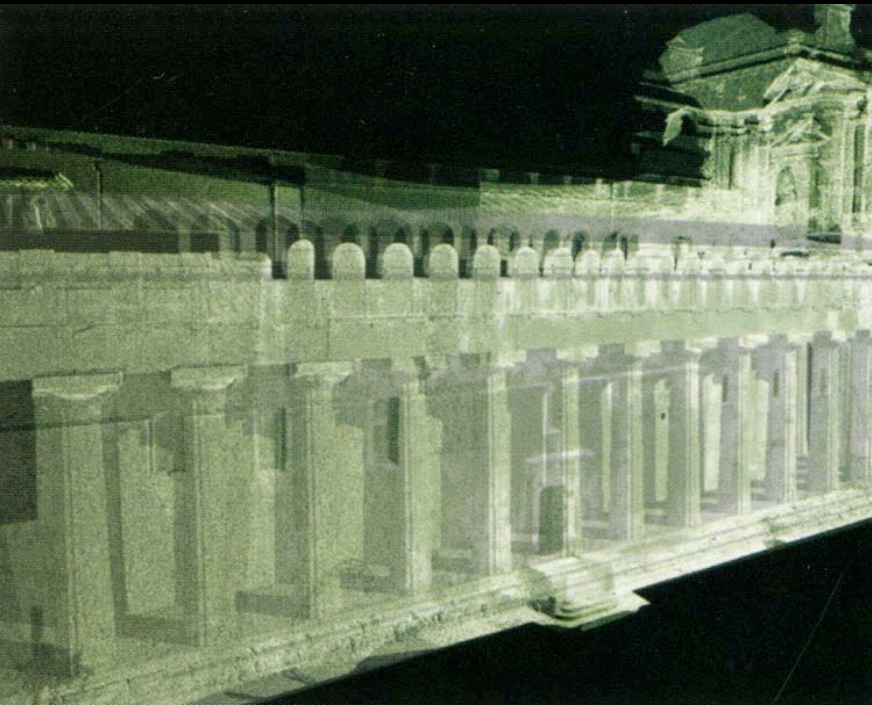




Siracusa Cathedral: multiple ages of architecture collaged in one historical structure.



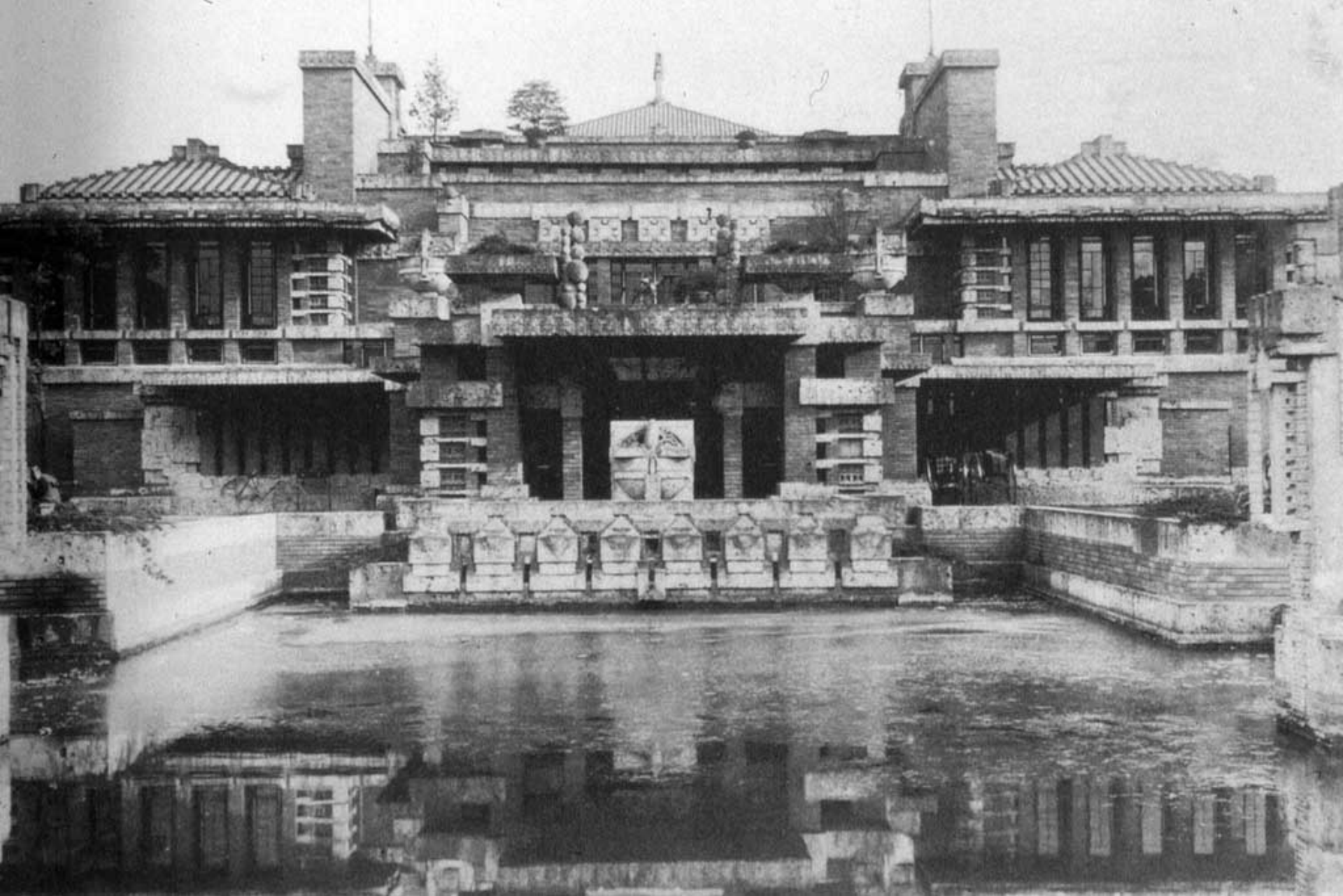
Digital visualization tools provide new understandings of conservation issues.



DIGITAL ARCHAEOLOGY

unearthing Frank Lloyd Wright's Imperial Hotel

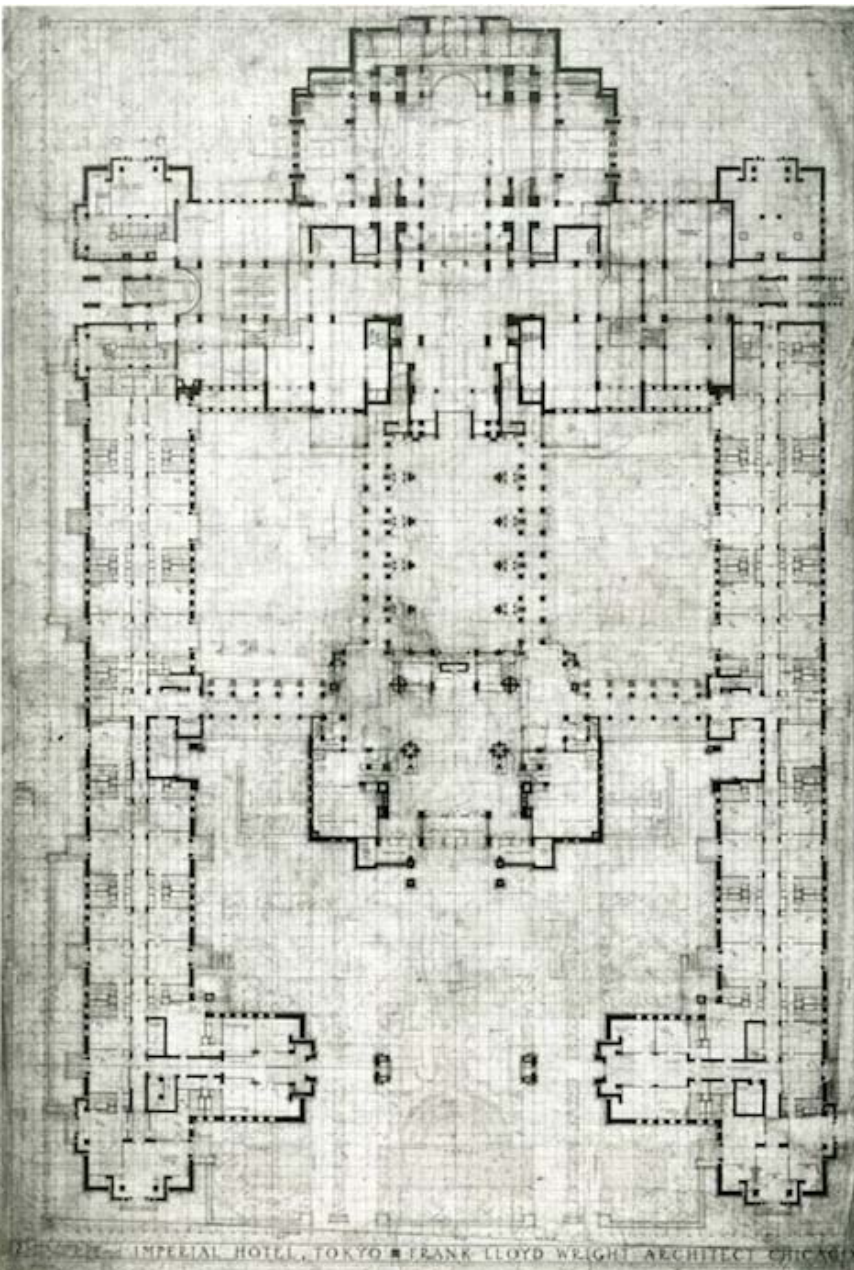
Spring 2010



Frank Lloyd Wright's legendary Imperial Hotel in Tokyo: demolished in 1968, now reconstructed in digital format; animation media recreates experiential dimension.



Digital reconstruction based on original design and as-built drawings, photos, texts...





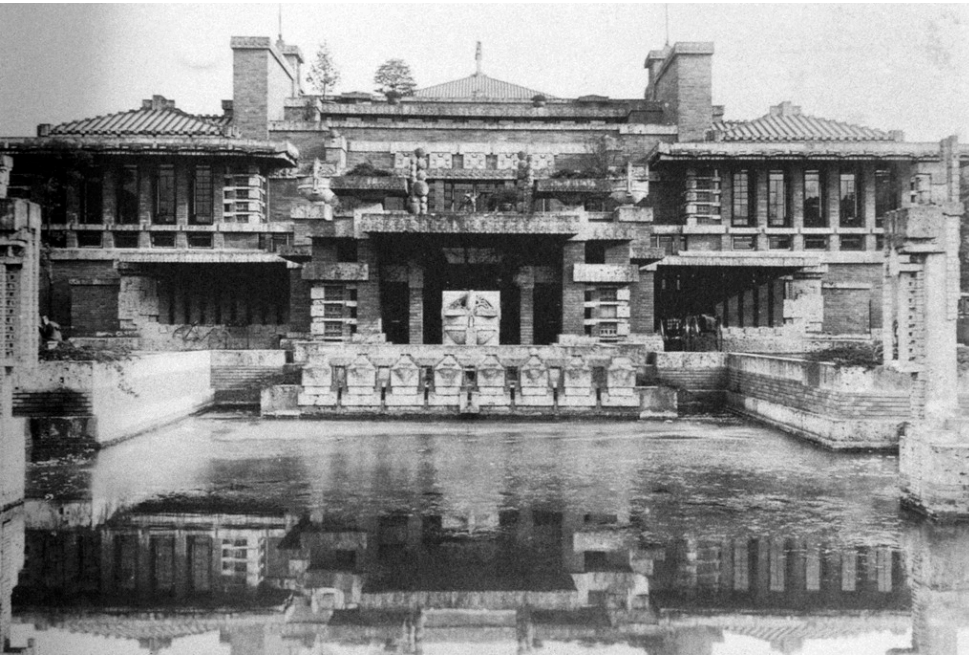


A portion of the Imperial Hotel lobby rebuilt in Meiji-mura, Inuyama, Aichi-ken





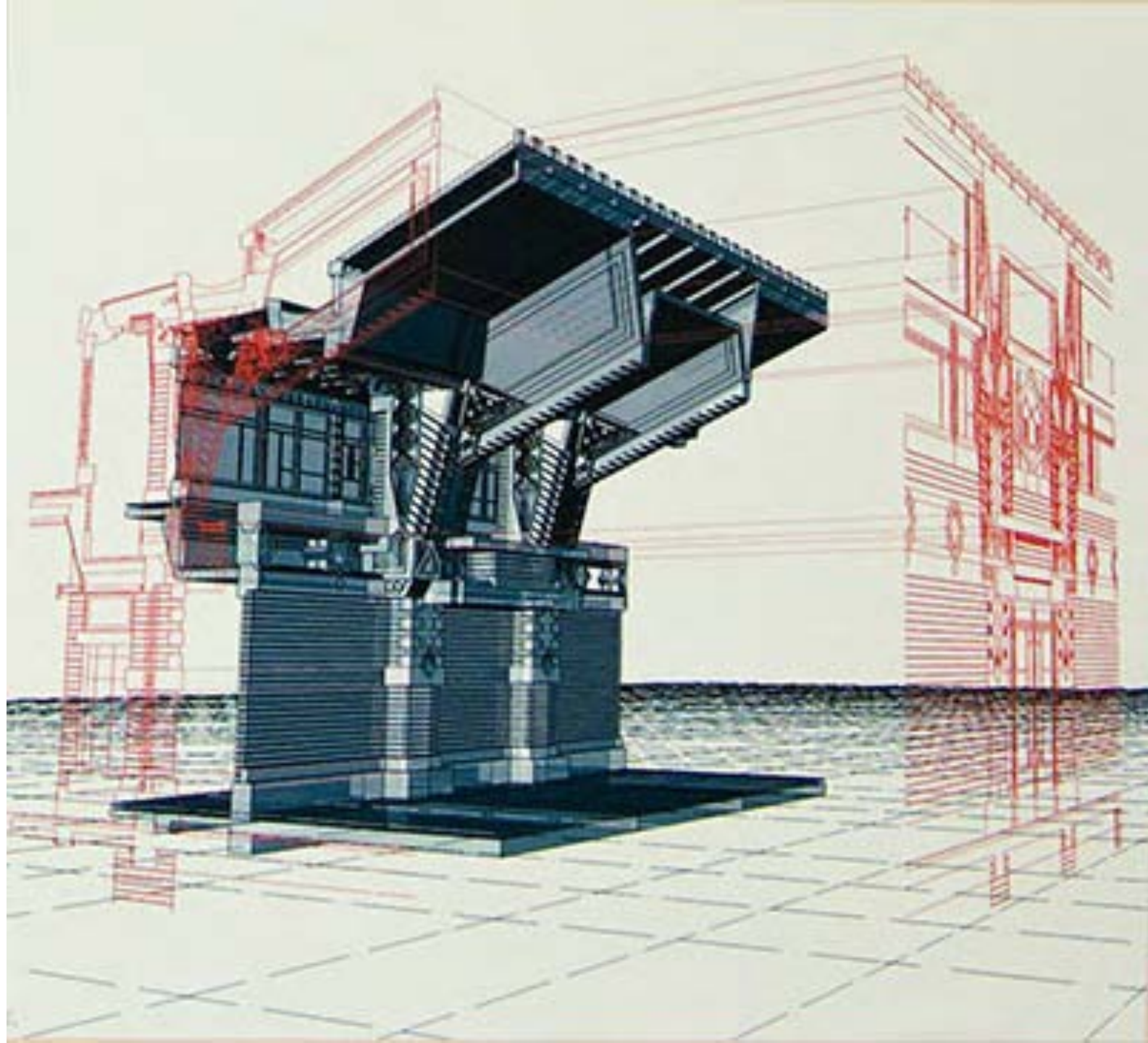
Completing the work of reconstruction in digital model:



Excerpts from the animated video project:

<https://www.youtube.com/watch?v=UqXpjYc0eAY>

<https://www.youtube.com/watch?v=F9yOesXsSIE>



KENZO TANGE'S YOYOGI OLYMPIC ARENA

Spring 2012



Digital reconstruction project undertaken to celebrate the centennial of Kenzo Tange's birth (1913) and anticipating the 50th anniversary of the 1964 Tokyo Olympics.



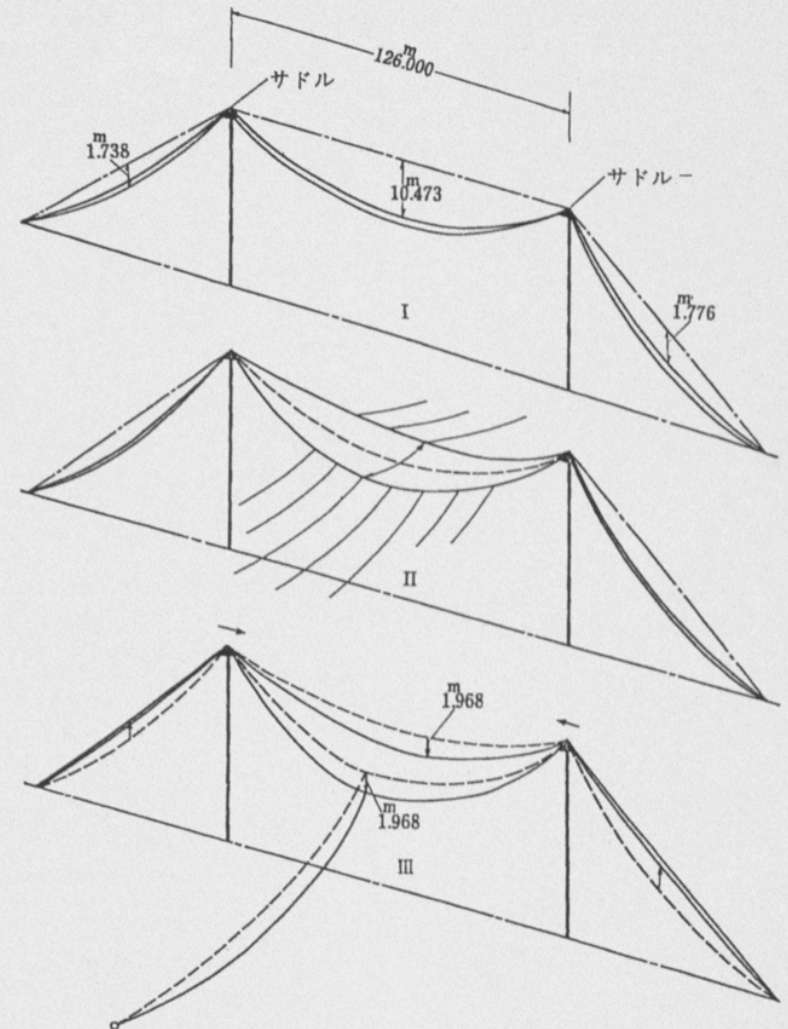
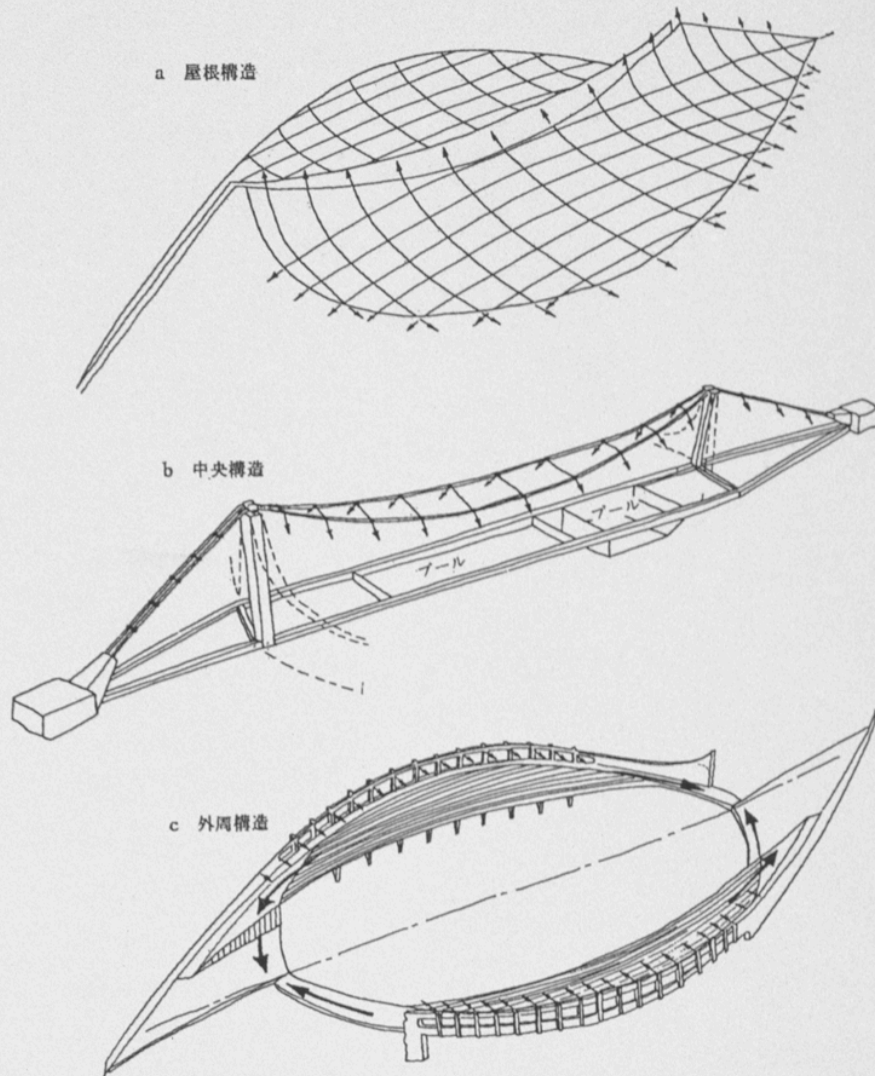
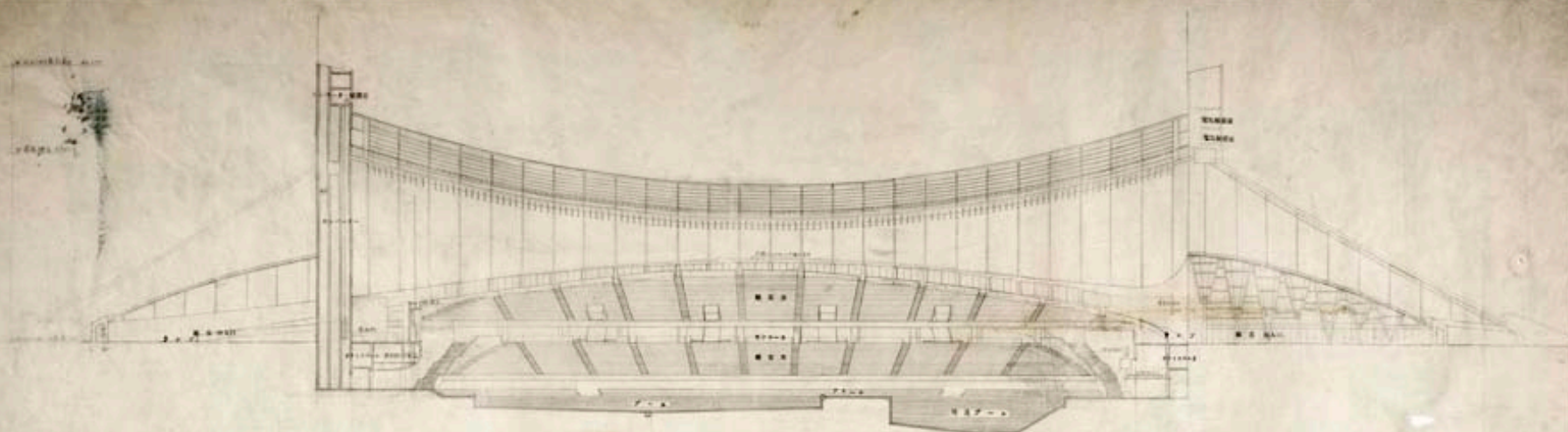
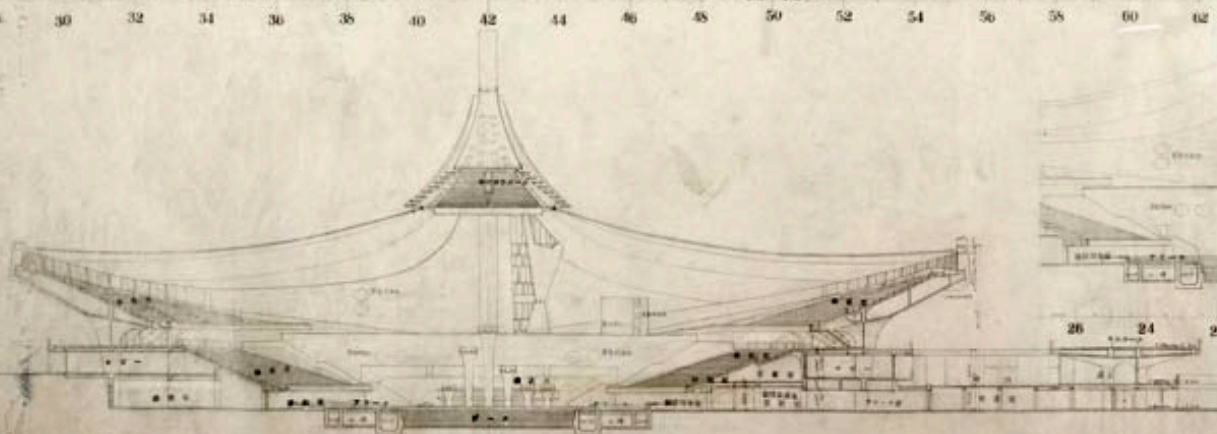


図-20 中央構造の施工中の変形

Using animation tools to analyze structural behavior and construction technique, previously illustrated only in diagrams...



26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72
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4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42

NIS 1112

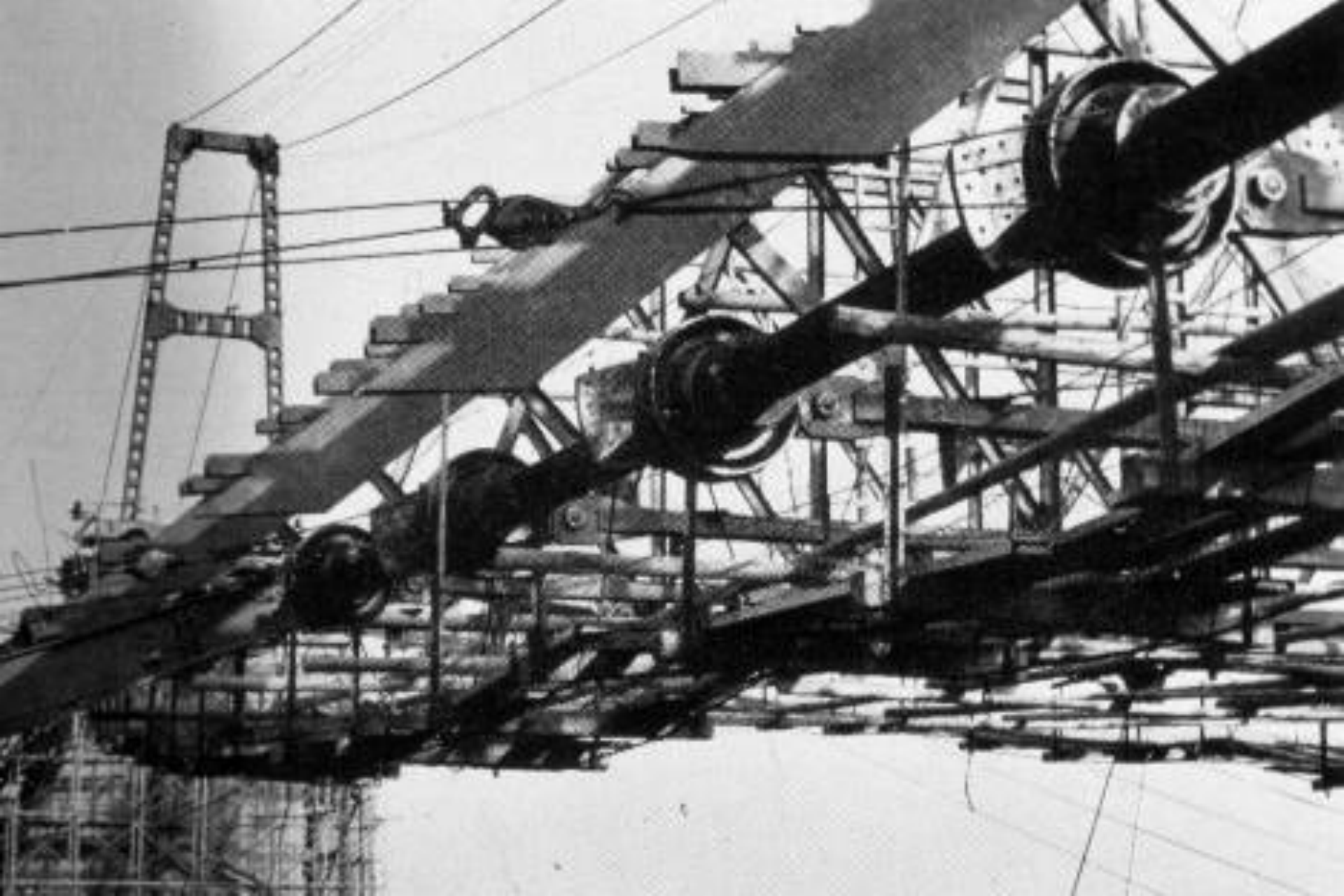
1. 某公司

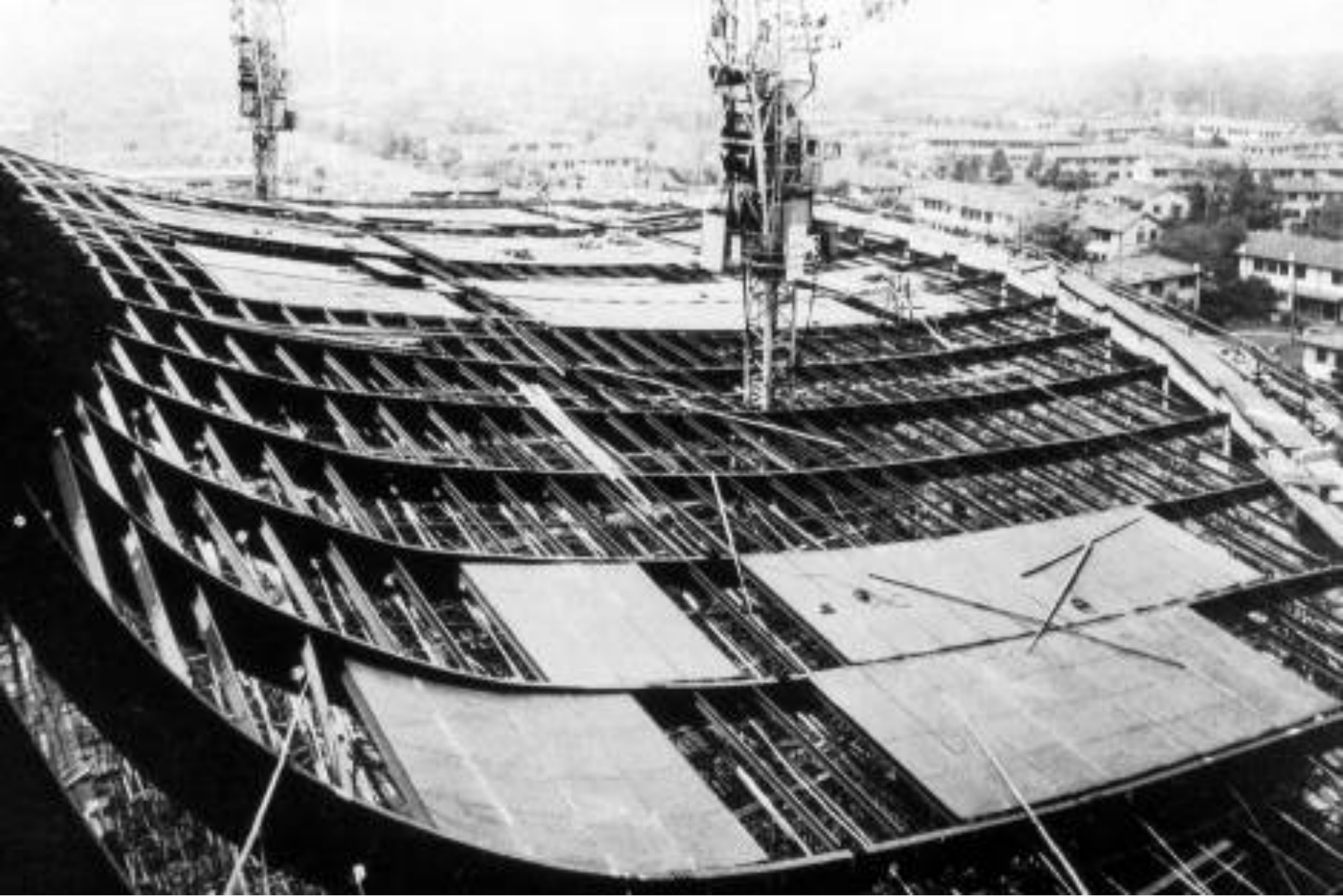
— 附錄五 — 中國經濟史(1911-1949)

[illegible]

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Excerpt from the animated video project “Kenzo Tange’s Yoyogi Olympic Arena”:
<https://www.youtube.com/watch?v=hbeo2nvaNjA>