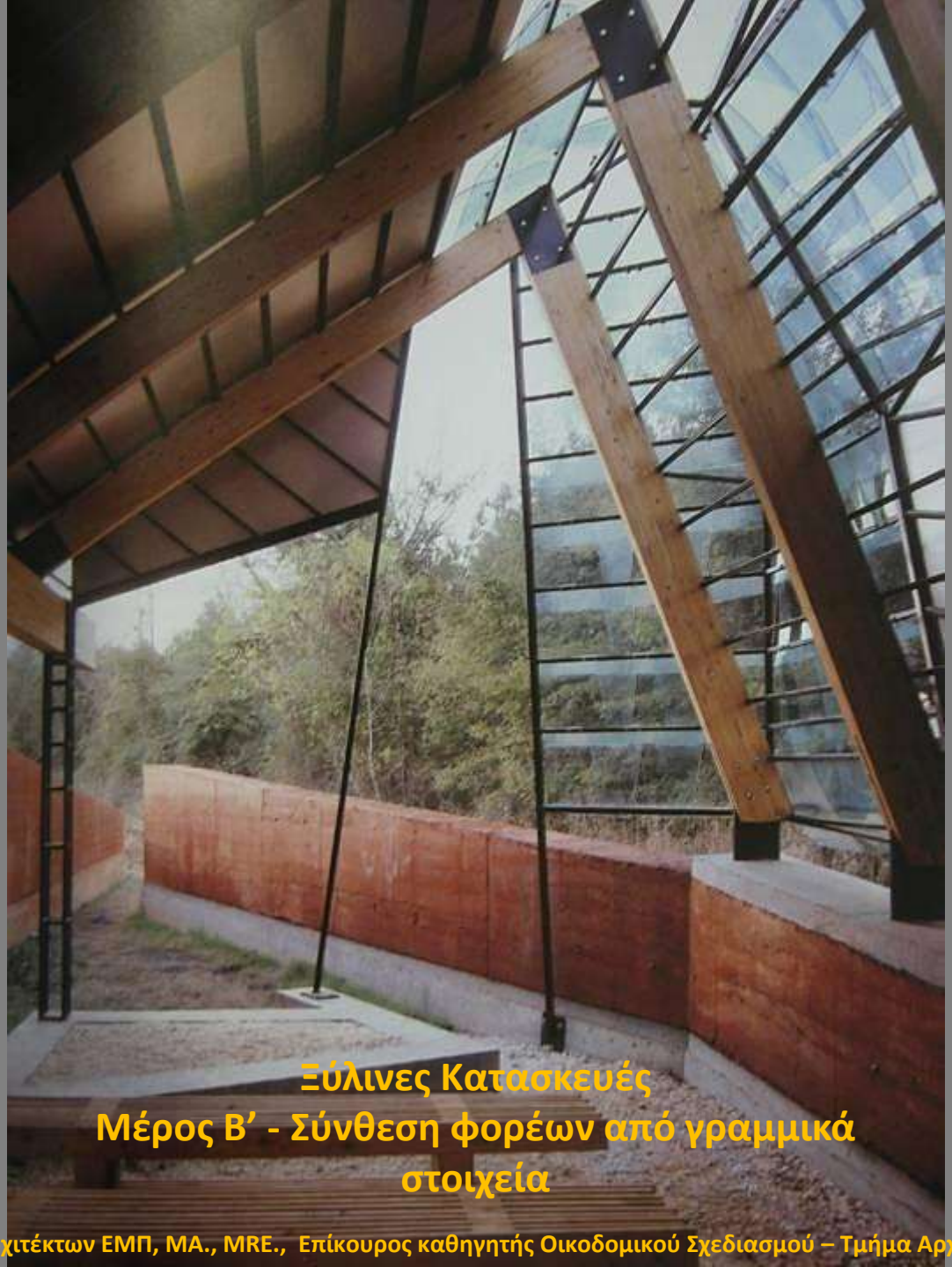
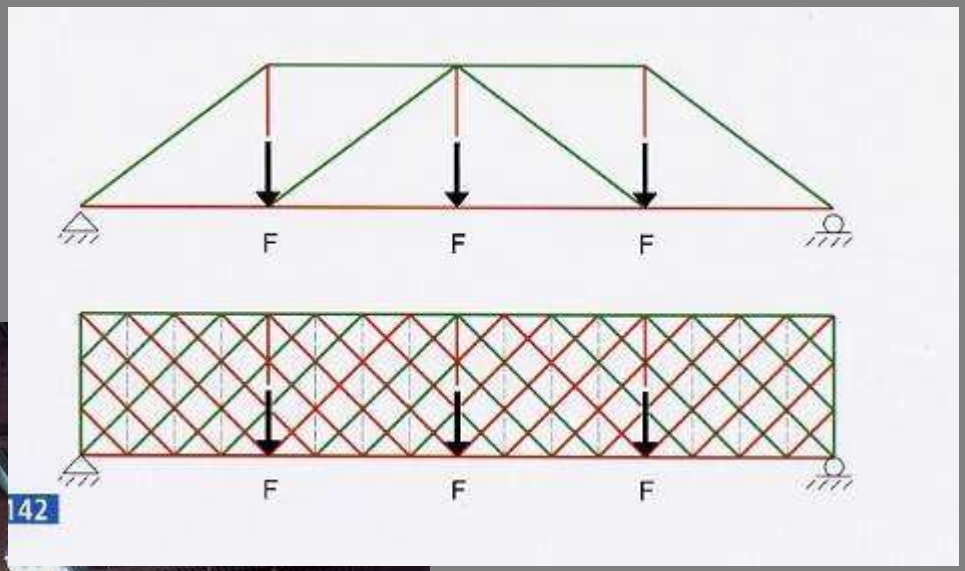


Ξύλινες Κατασκευές
Μέρος Β’ - Σύνθεση φορέων από γραμμικά στοιχεία

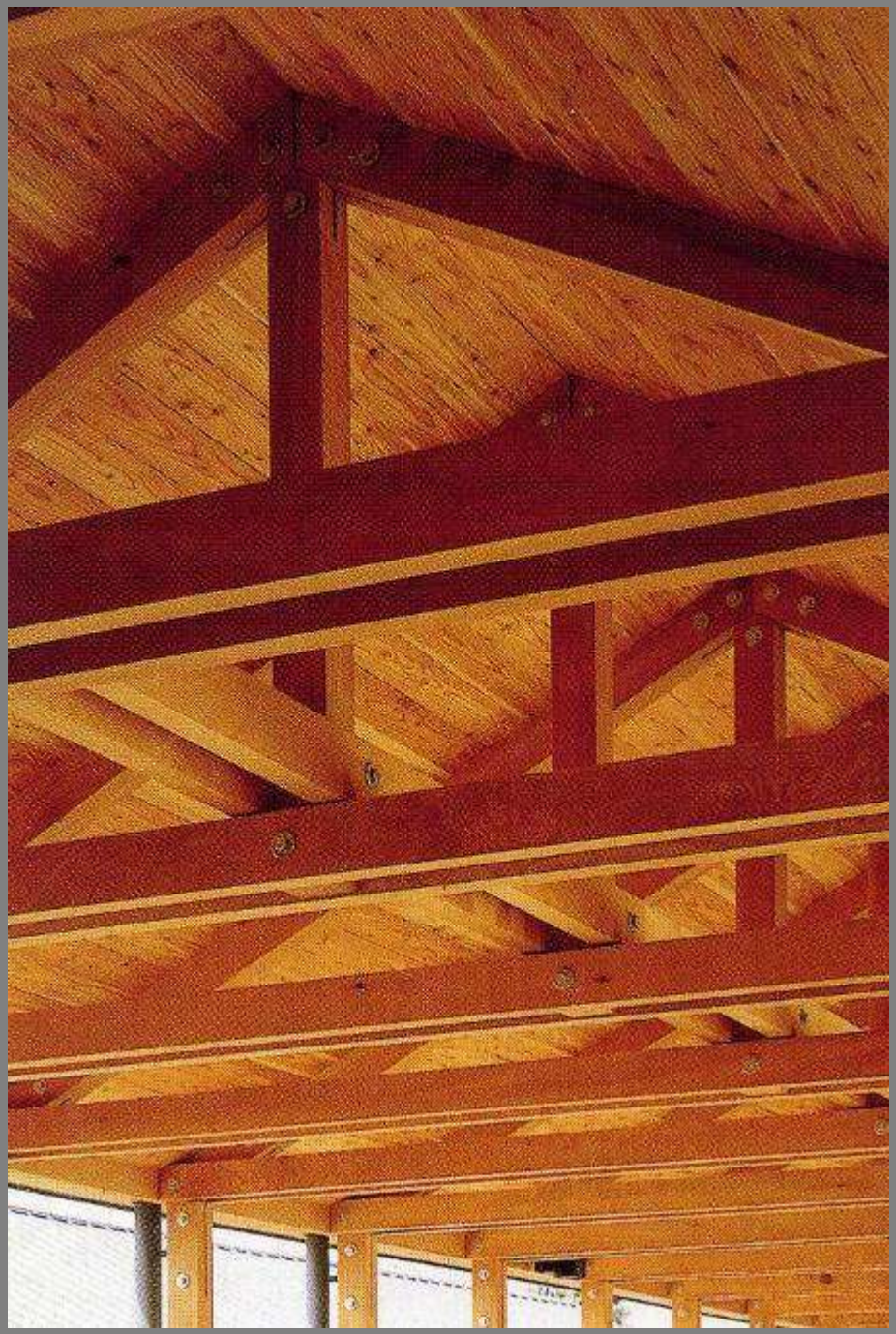
Δημήτρης Αντωνίου, Αρχιτέκτων ΕΜΠ, MA., MRE., Επίκουρος καθηγητής Οικοδομικού Σχεδιασμού – Τμήμα Αρχιτεκτόνων Παν. Πατρών

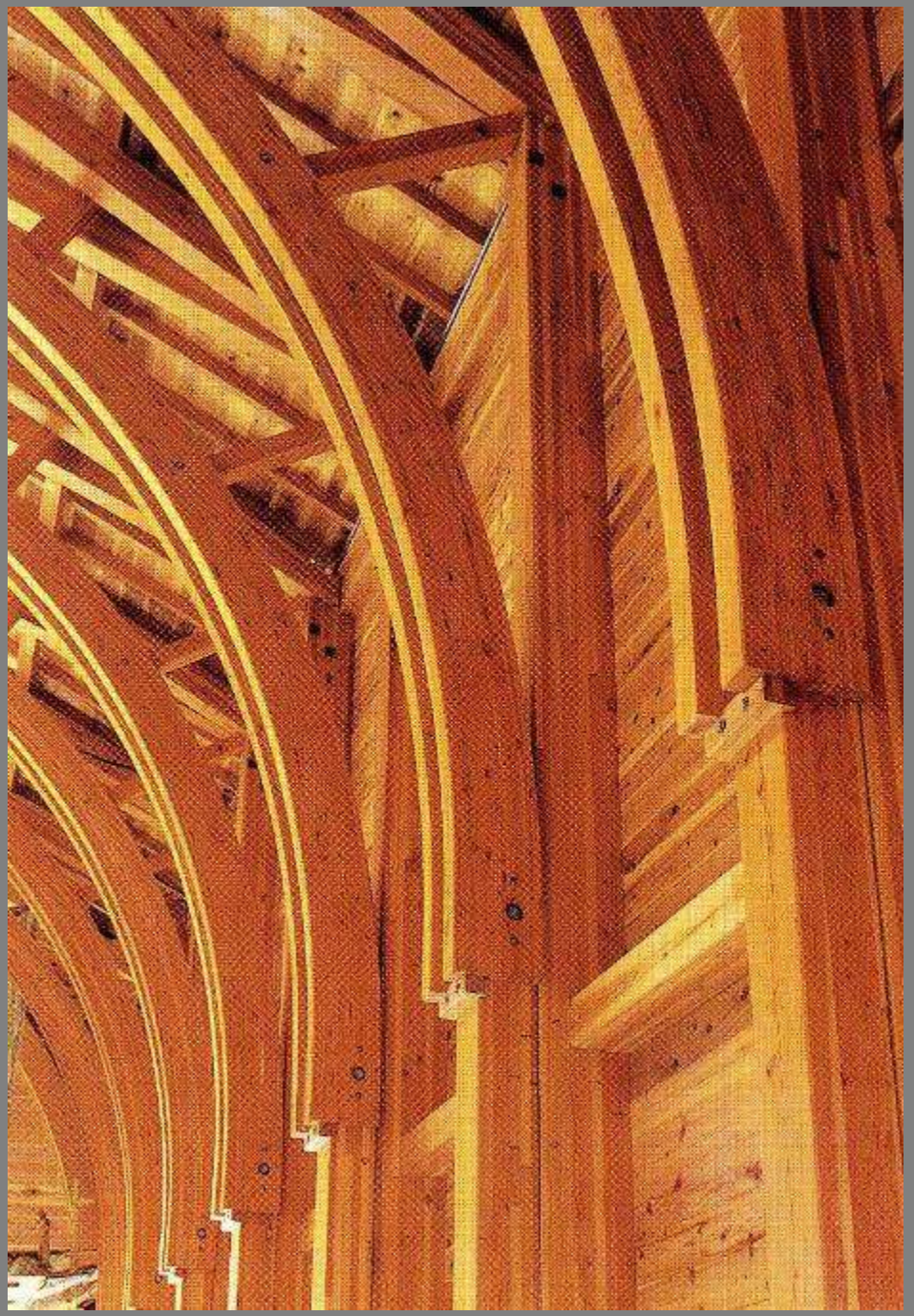
Σύνθεση δικτυωμάτων

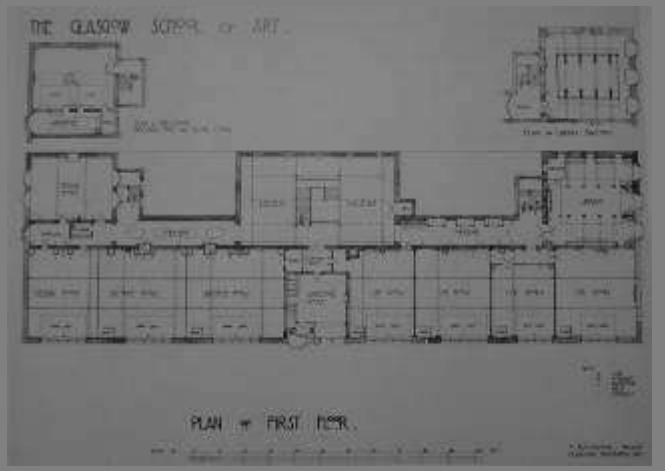


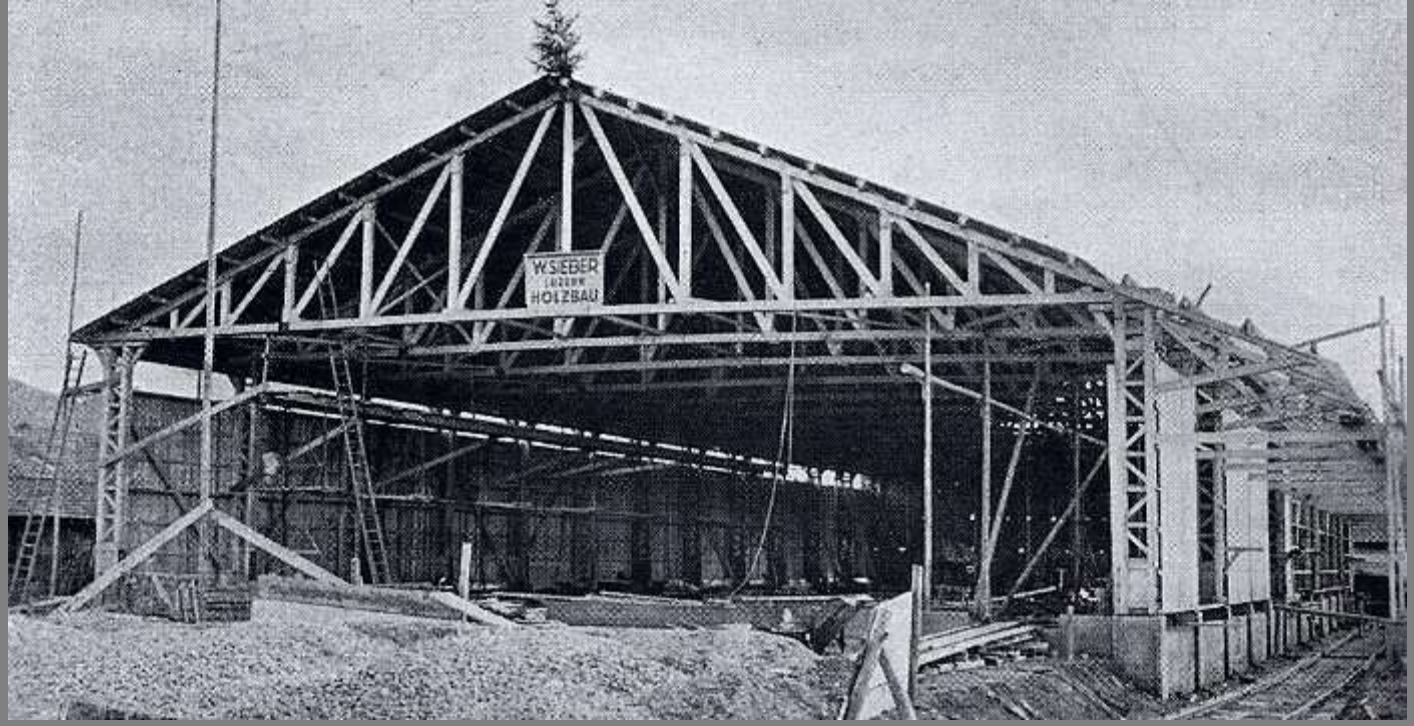

FWFM
FWFM

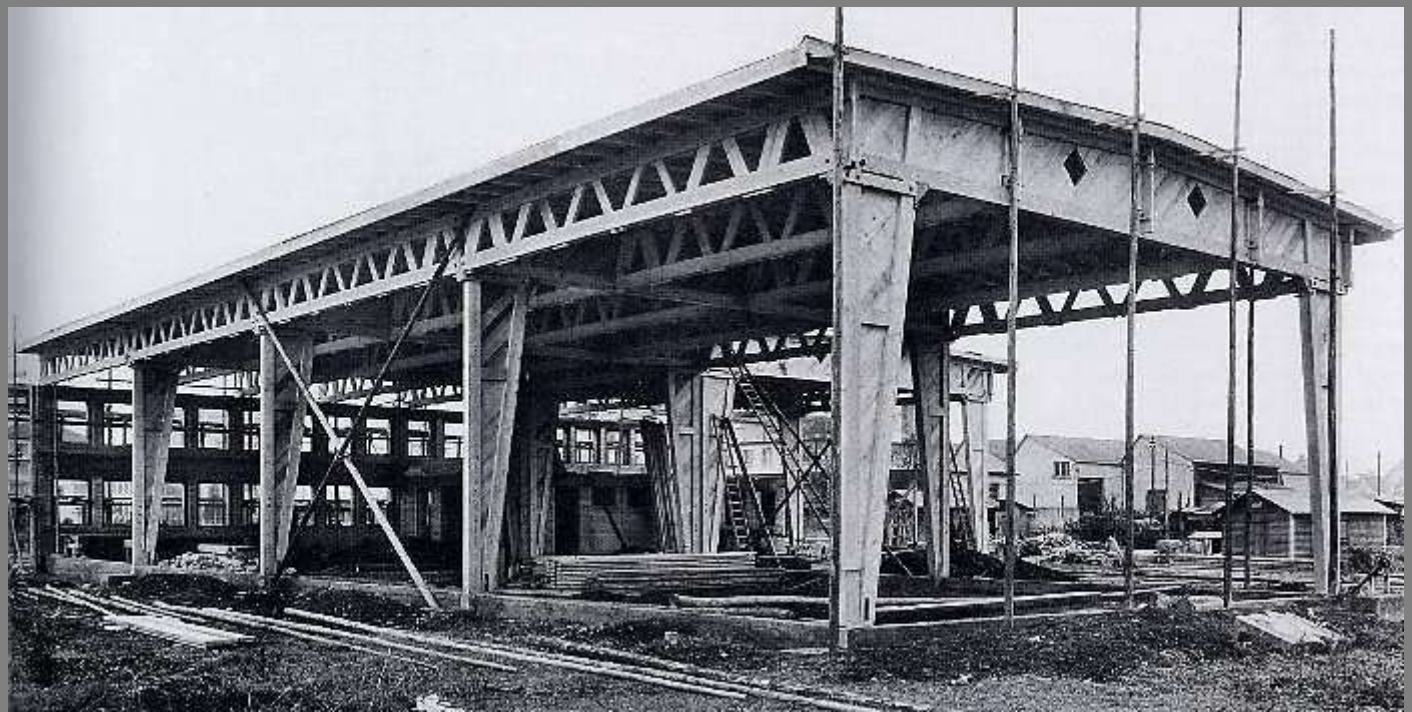

MNO 27

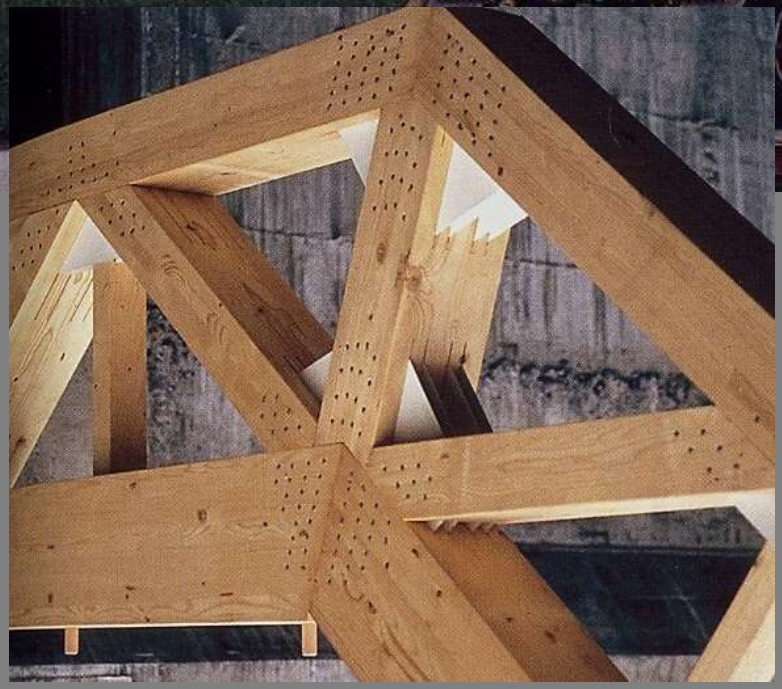


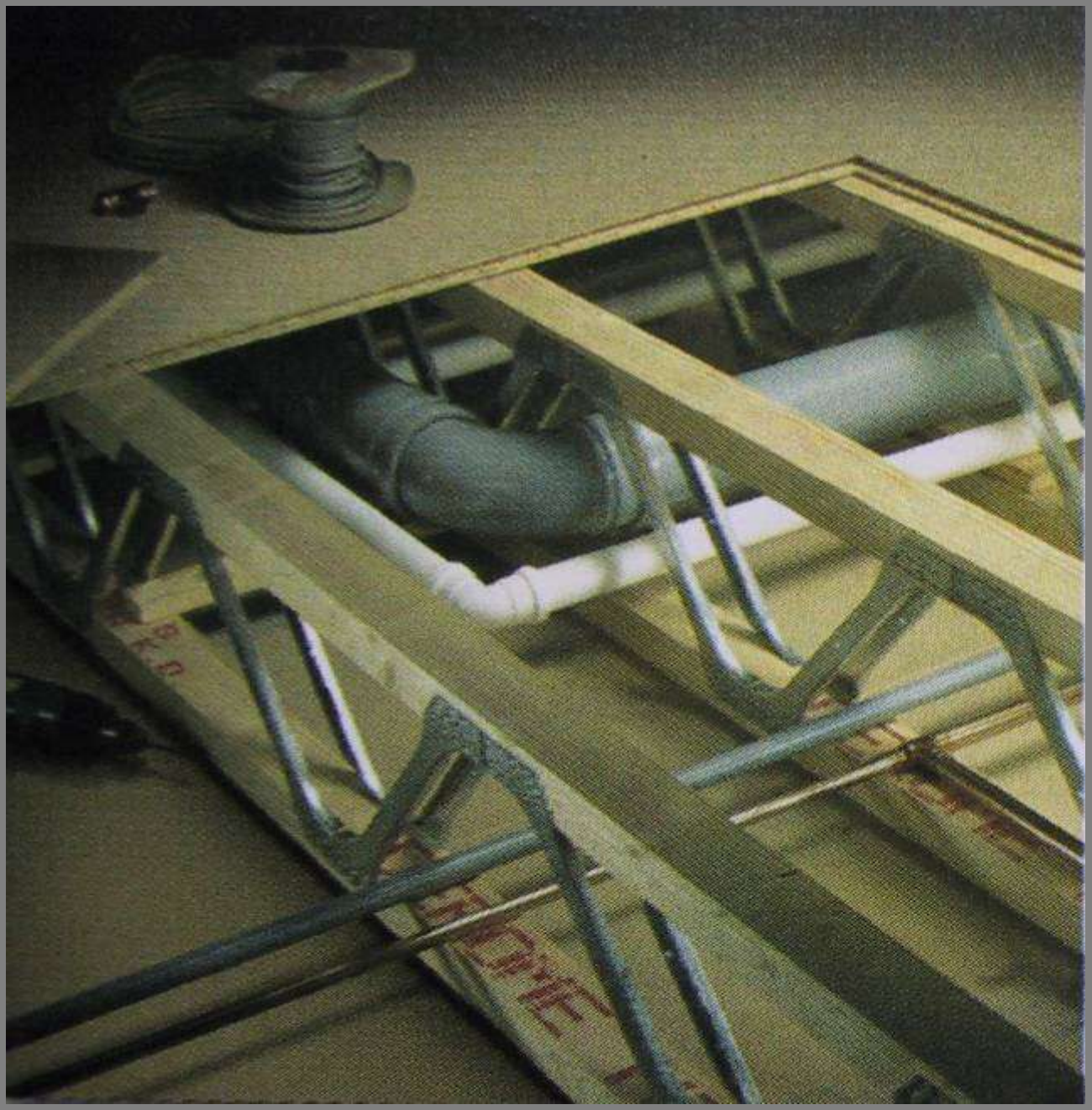


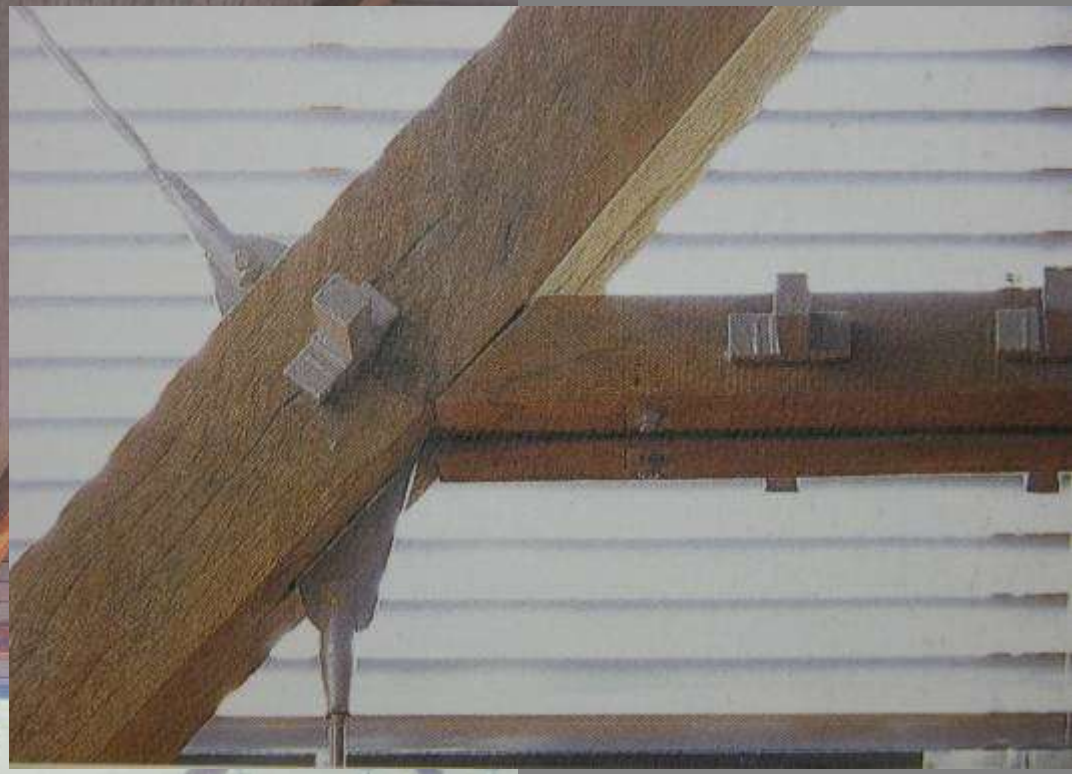

PLAN OF FIRST FLOOR.

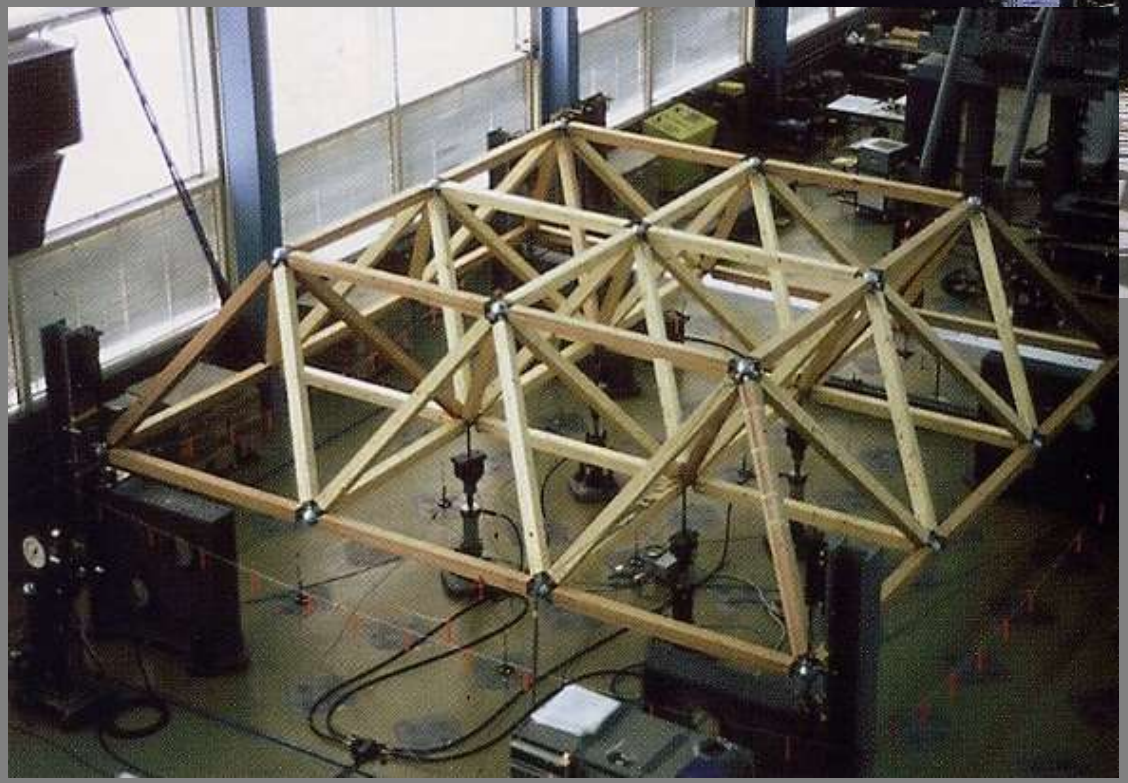

W. SIEBER
LUZERN
HOLZBAU

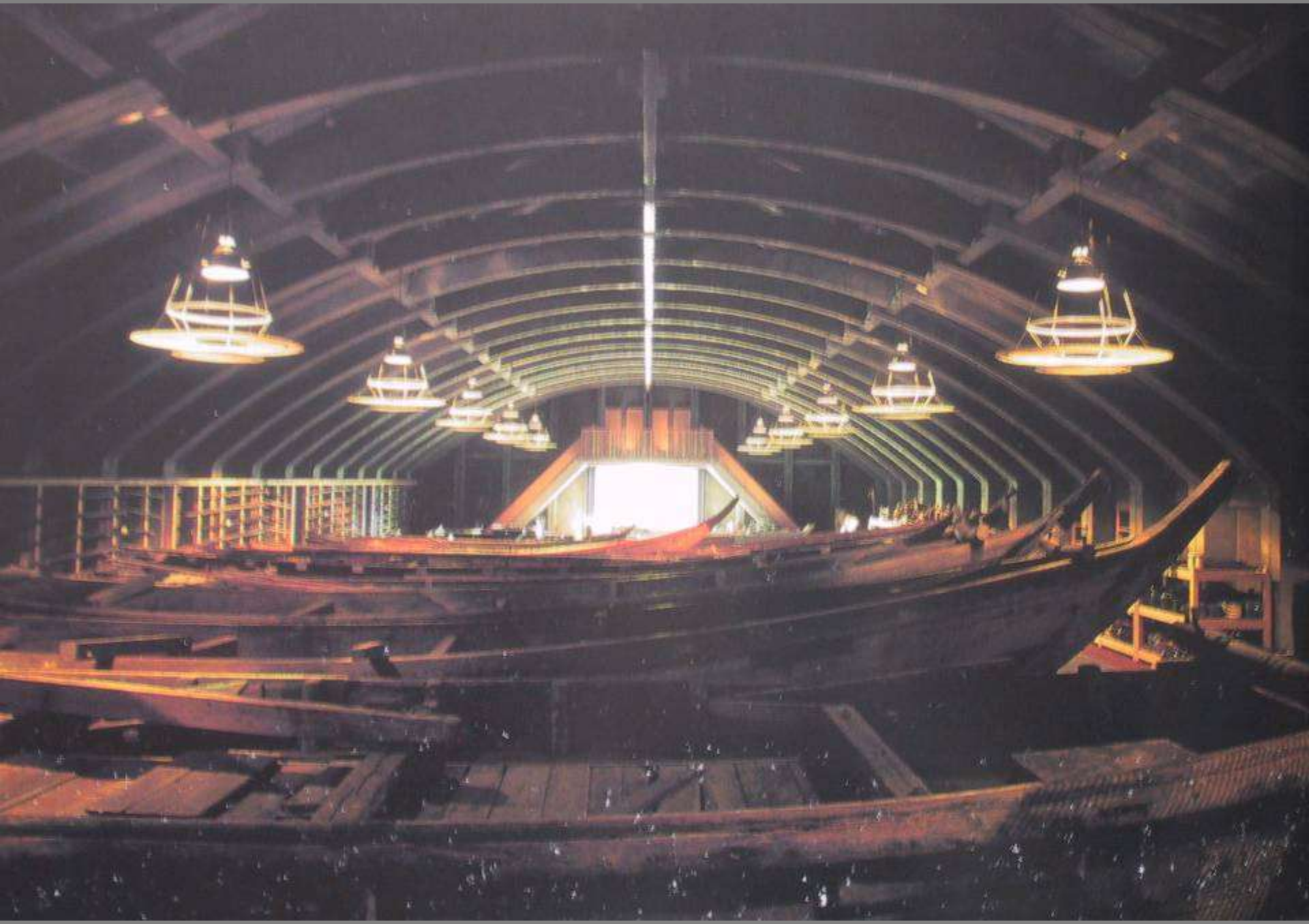


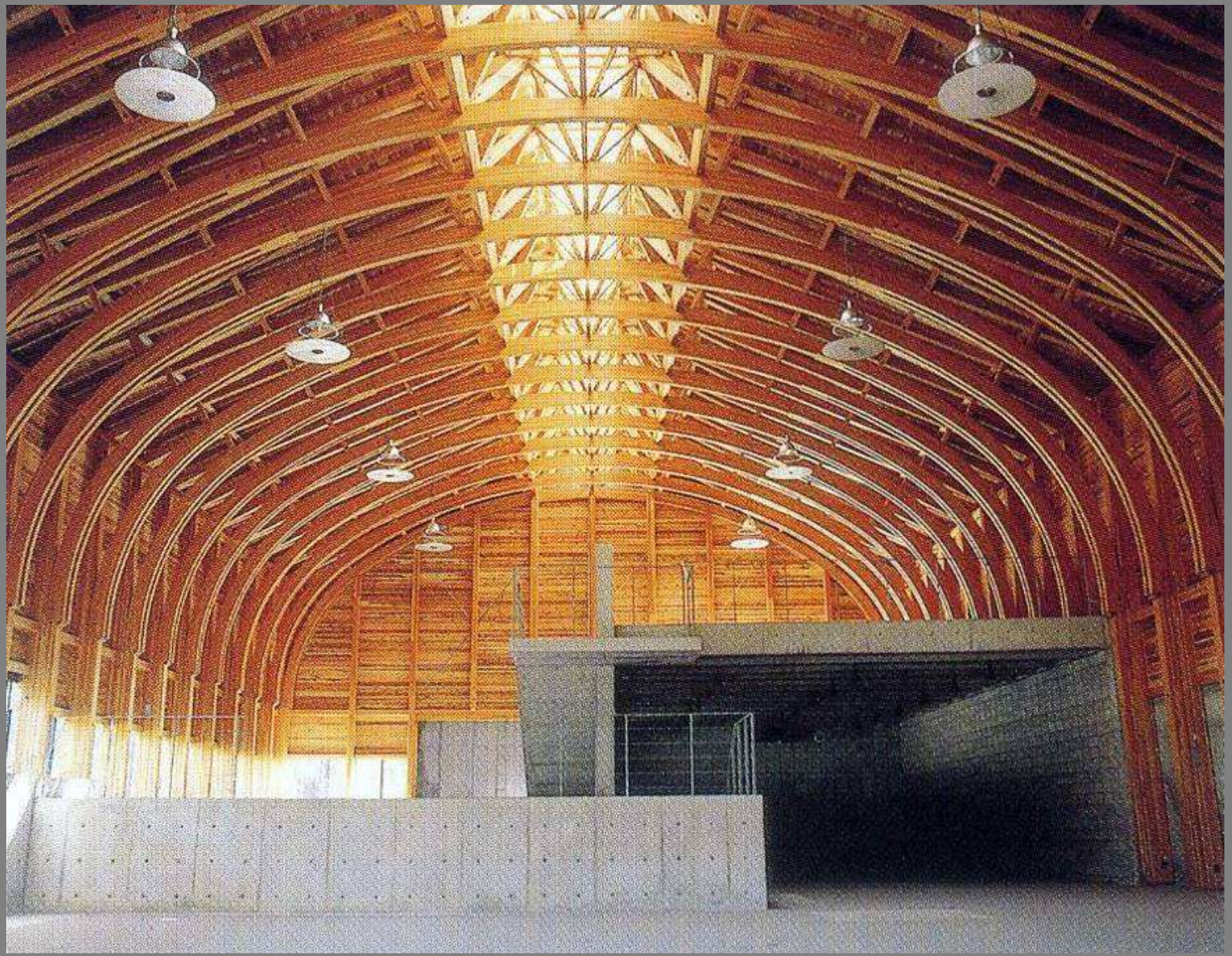


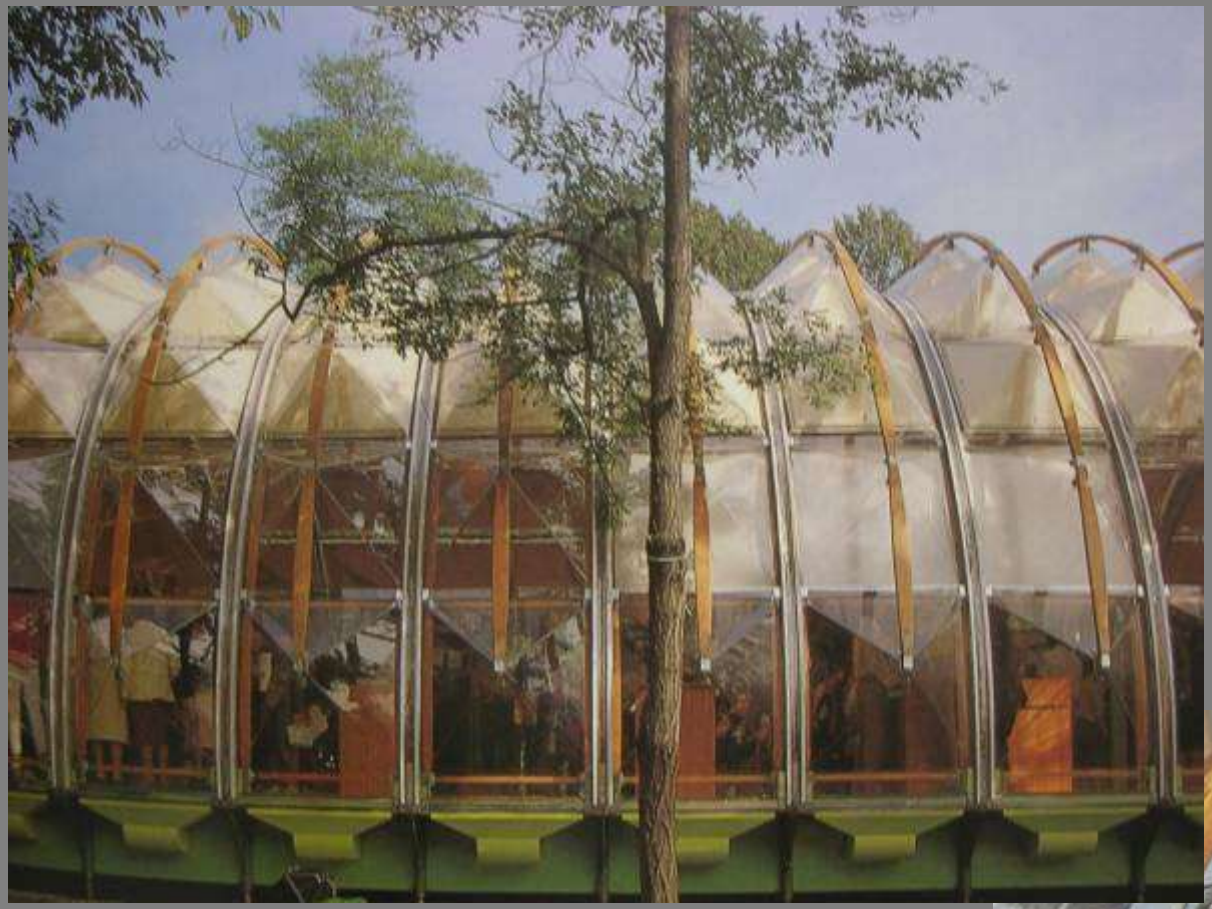


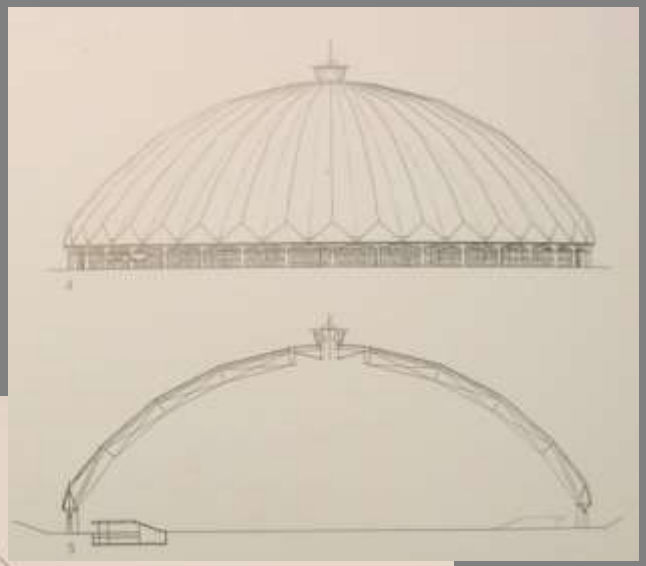


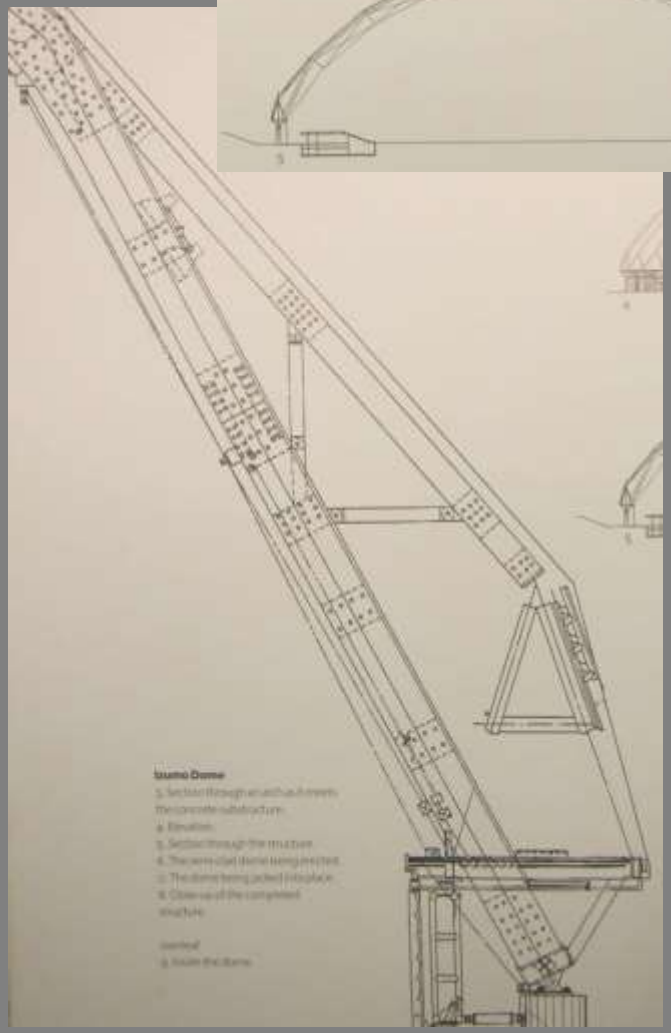








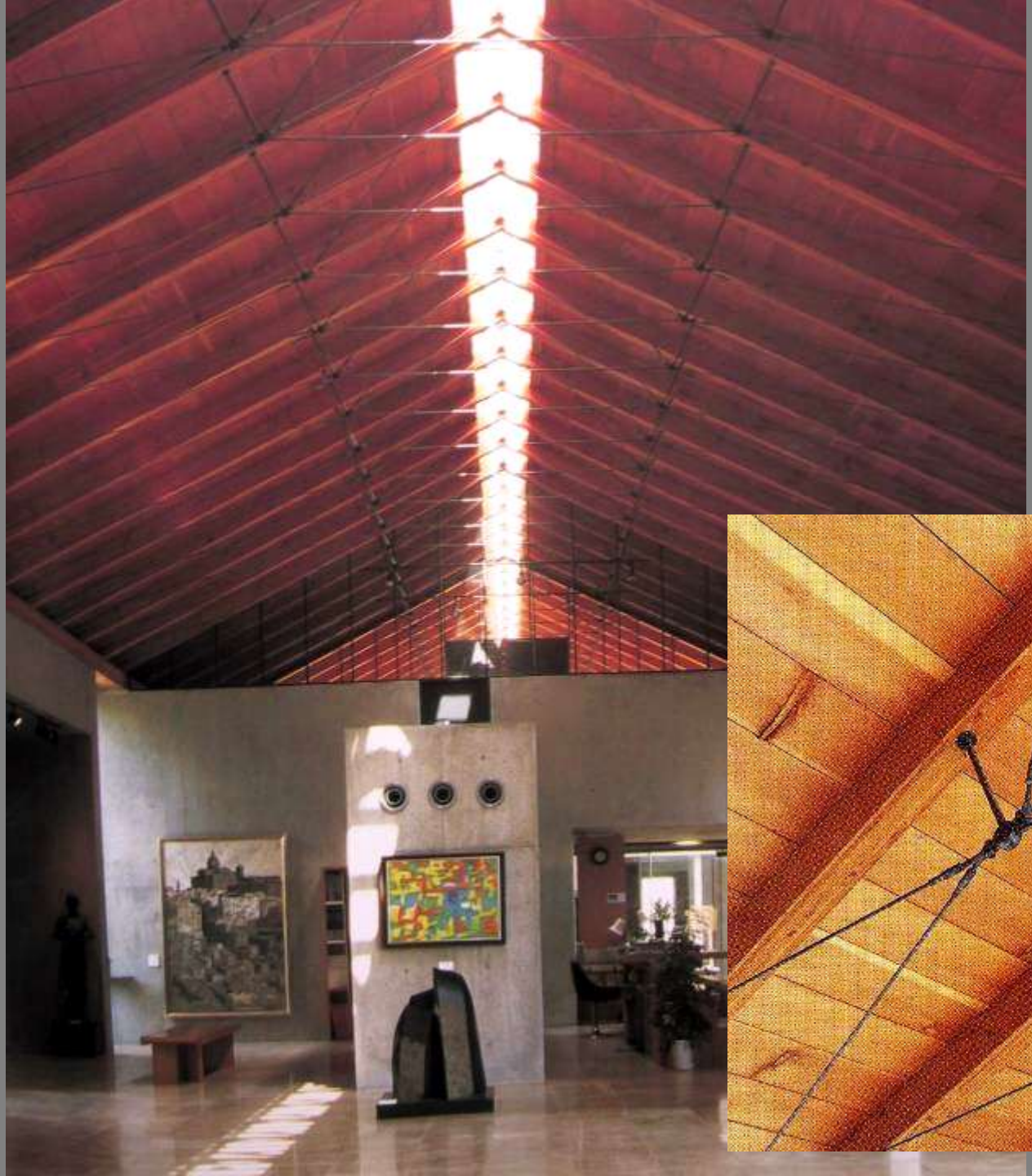


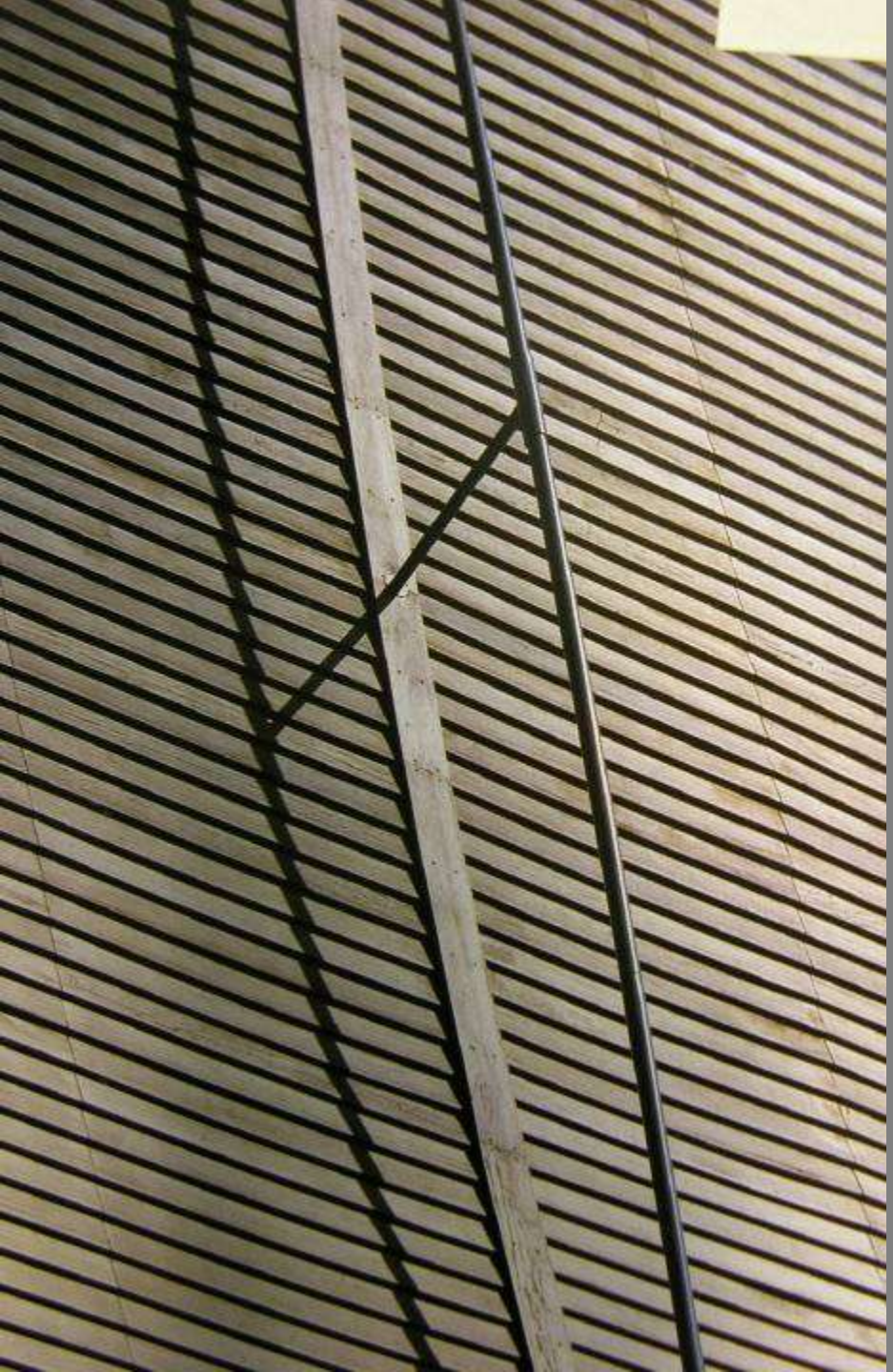


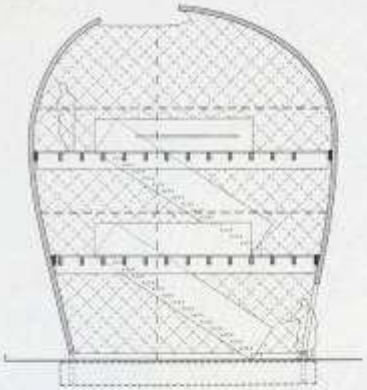
Izumo Dome

3. Section through an arch, which meets the concrete substructure
4. Elevation
5. Section through the structure
6. The semi-clad dome being erected
7. The dome being jacked into place
8. Close-up of the completed structure

overleaf
9. Inside the dome



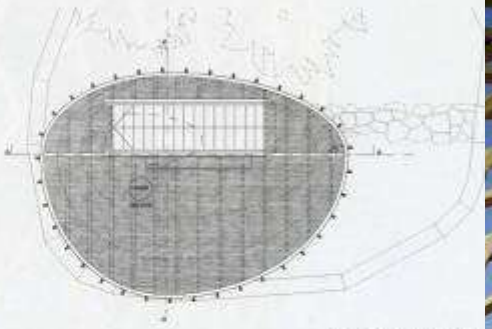




section A-A

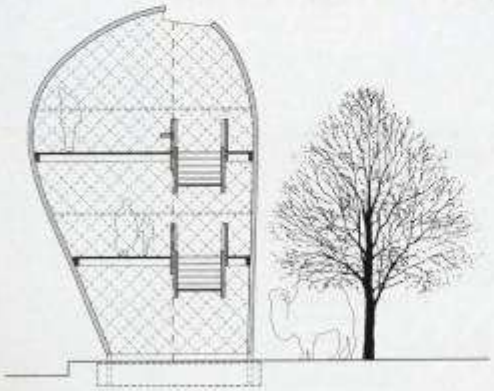
The Korkeasaari building, with more than 600 bolted joints, was created by eight students over some three months in the summer o 2002. Dry weather necessitated steaming the 72 component laminated battens to seven shapes determined by previous experiments. All wood components are treated with linen oil and a steel elements are galvanized. The gazebo should last for generation It is structurally like an eggshell, so it can withstand local damage an alteration (for instance the rectilinear entrance door).

The jury was very impressed by the thoroughness of the creation the little structure, its understanding of materials, and its generous response to location, both as a part of the harbour panorama, and a an observer of it. P. D.



upper level (scale approx 1:1

ar+d PRIZEWINNER
LOOKOUT TOWER, HELSINKI, FINLAND
ARCHITECT
VILLE HARA WITH HUT WOOD STUDIO

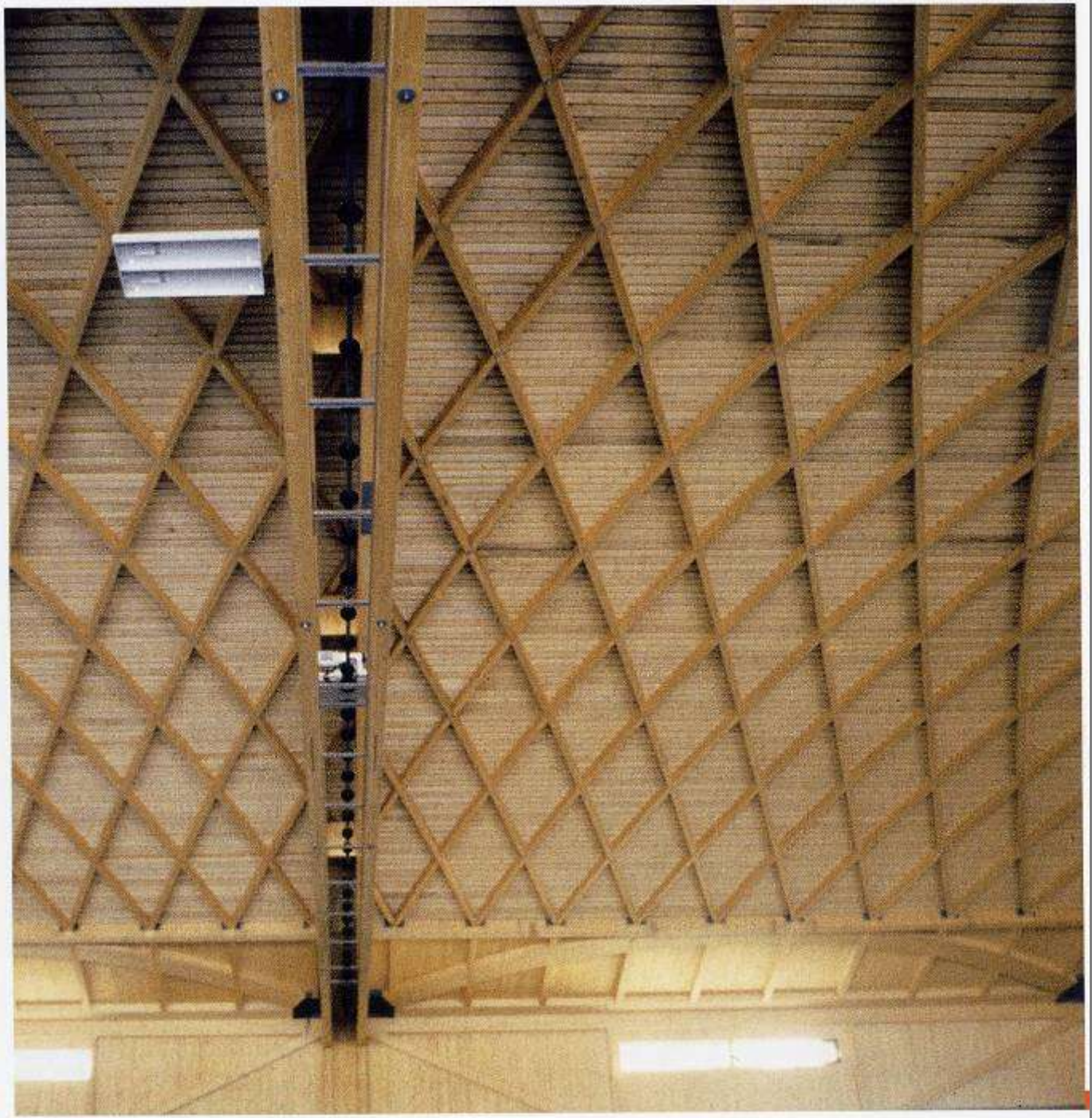


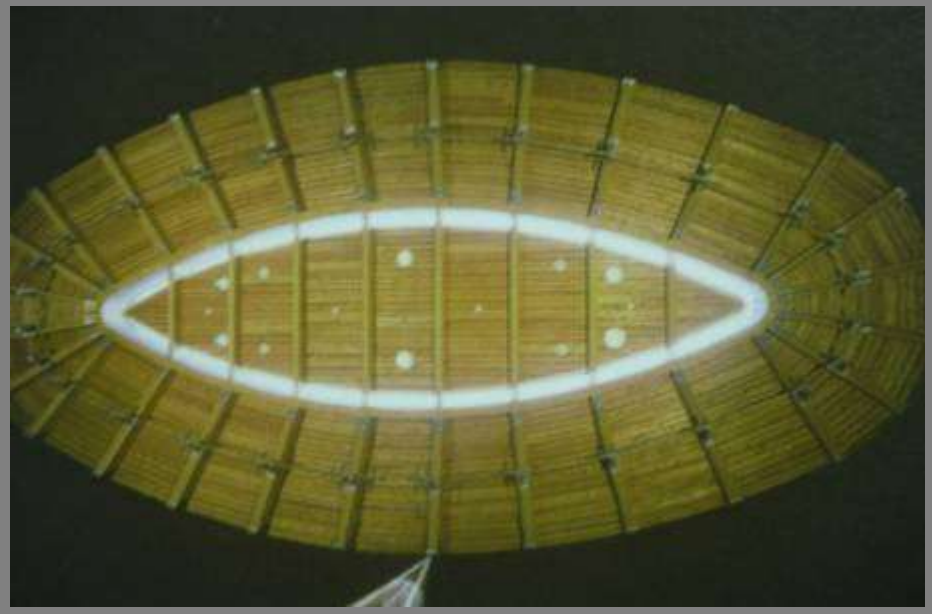
section B-B

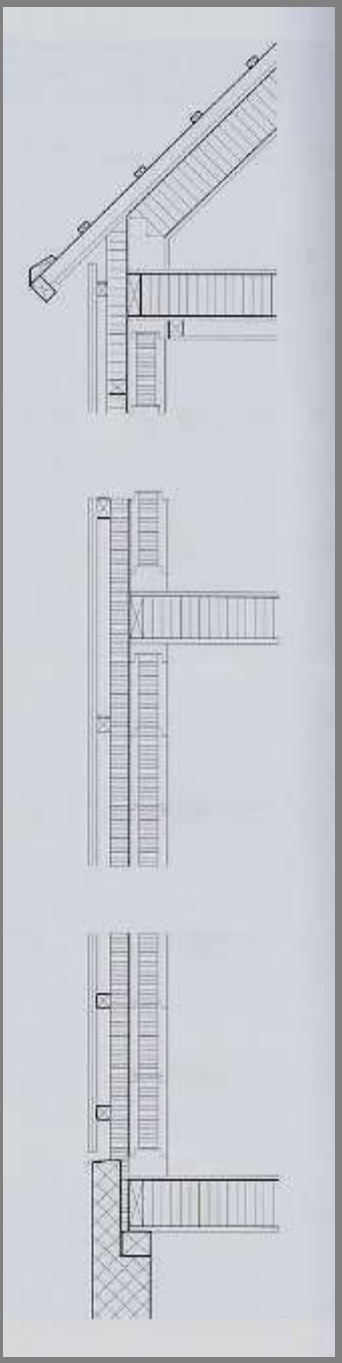
4 | 12 site section

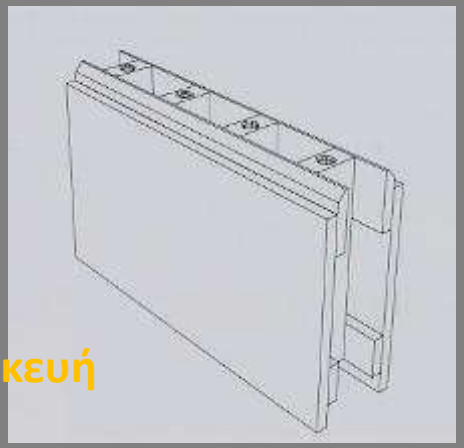
Architect
Ville Hara with HUT Wood Studio, Helsi
Photographs
Jussi Tiainen

3
Shell has over 600 bolted joints whic hold bent laminated larch battens into shell form.

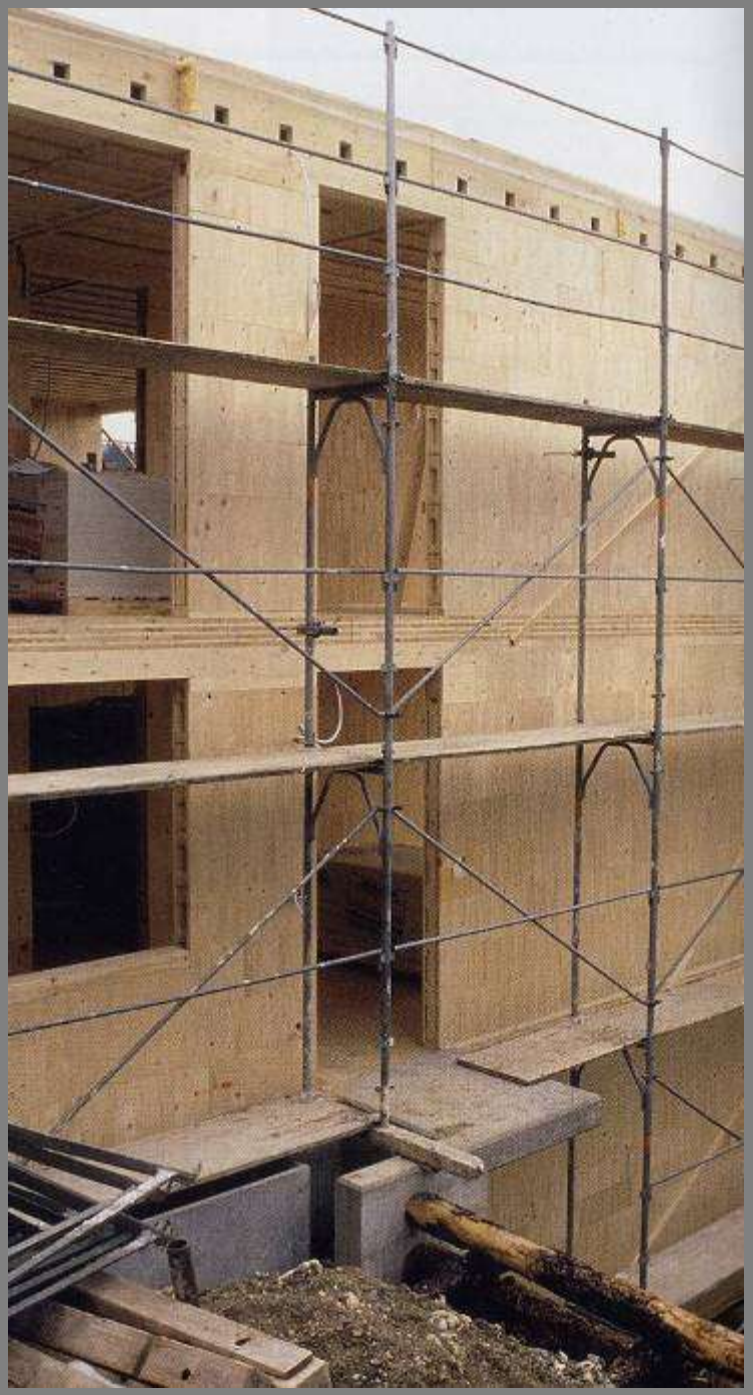


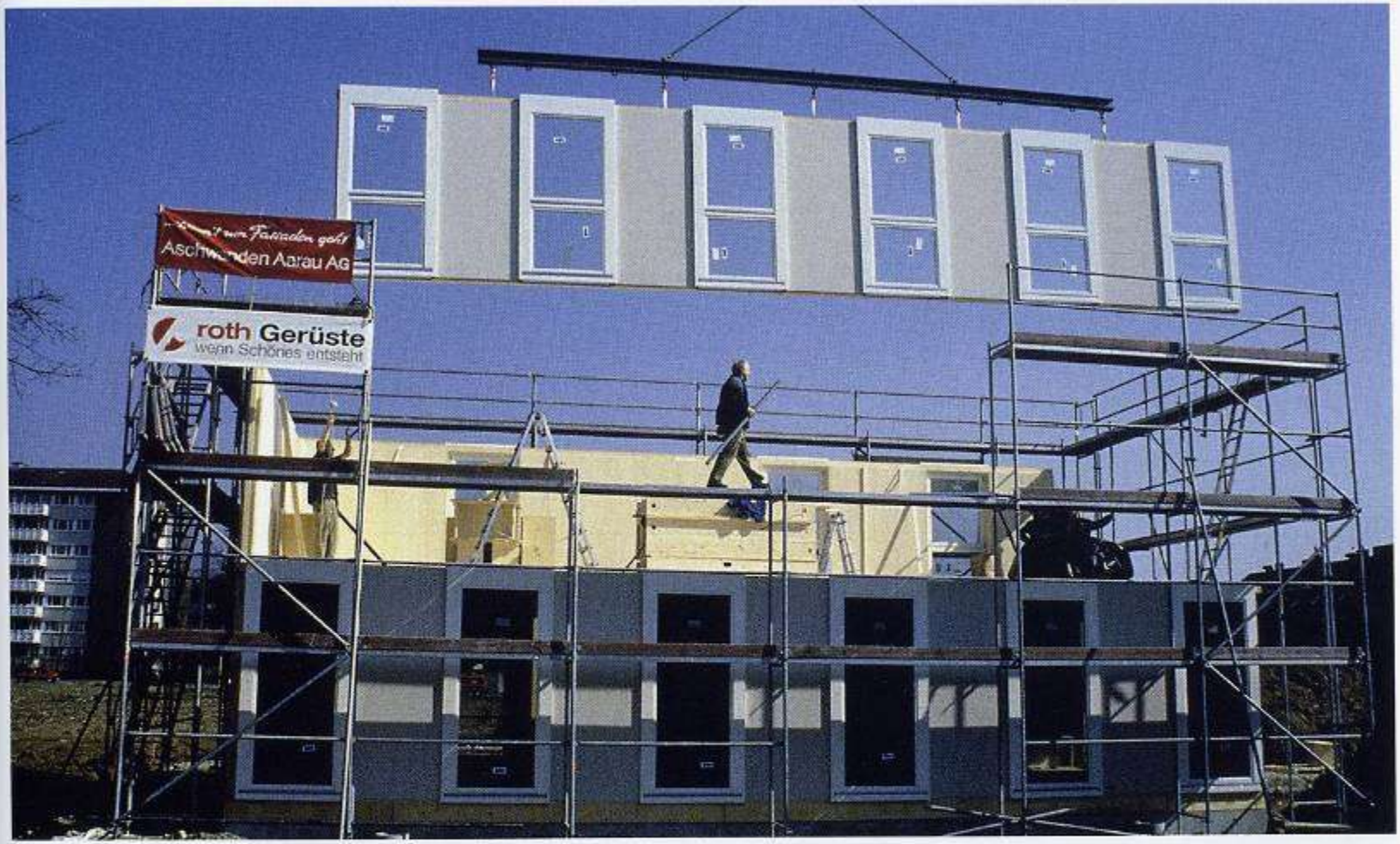






προκατασκευή



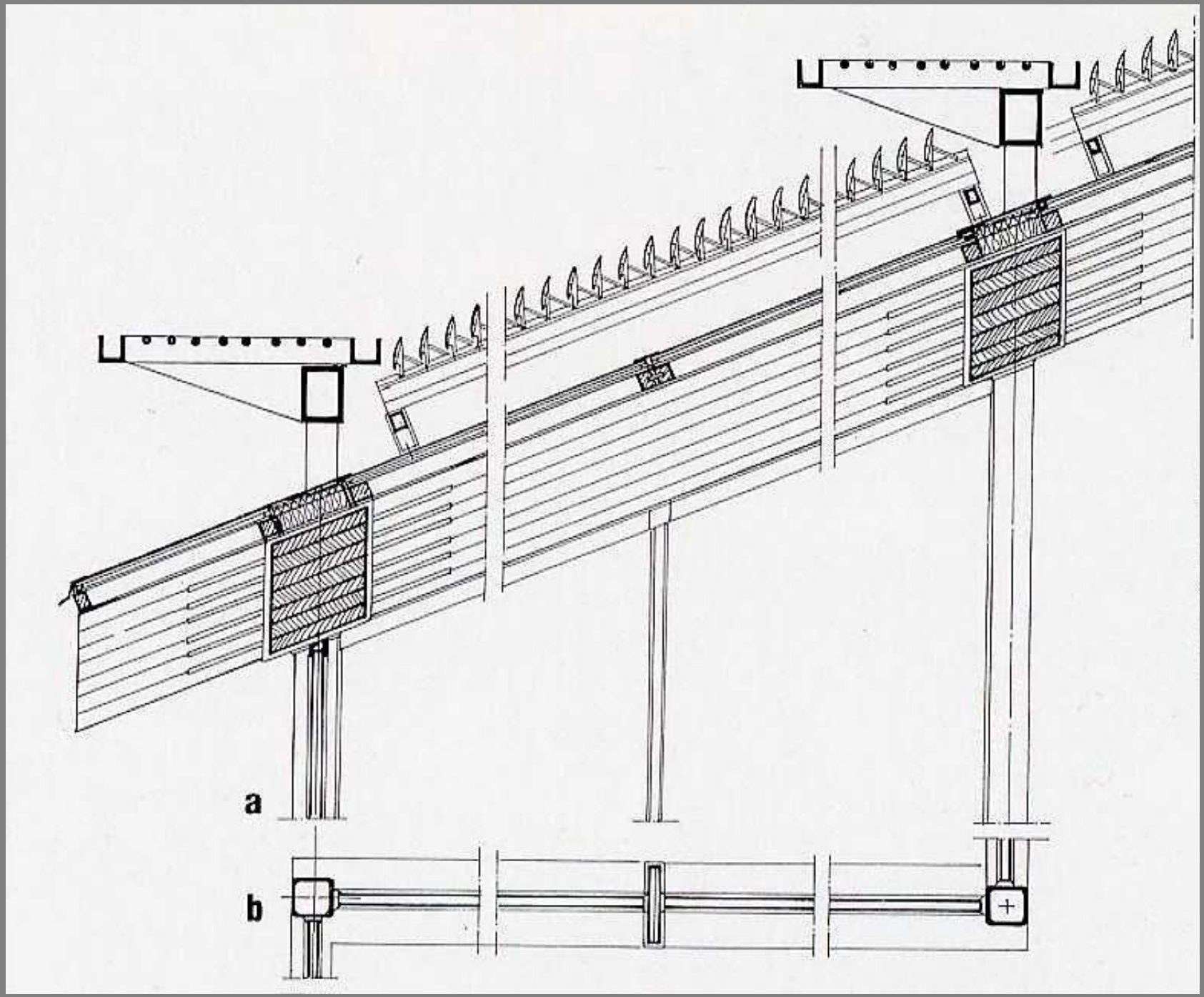


One of the biggest differences (and a difference with far-reaching consequences) is the means of production, that is, the actual process of "producing" the building. Whereas in traditional construction, houses are built piece by piece and successively finished on site, timber construction and its building systems call for prefabrication of entire components (normally wall and ceiling parts) in the factory using a basic system and industrial equipment.

The three-story research and development building constructed in 1998 for Schindler in Ebikon (Lucerne Canton) consists of 66 wooden "boxxin" modules designed by the Zurich architects Kündig & Bickel. This building block system is based on a single module (3.5 m x 3.5 m x 7.5 m) plus a small number of additional components. Efforts to define both the structural relationship between the system's components and their joints played a formative role in its development.


burger


ΔΙΑΚΑΤΑΣ


a
b


SPUNTINO
SPUNTINO


ΣΥΚΑΡΗΣ