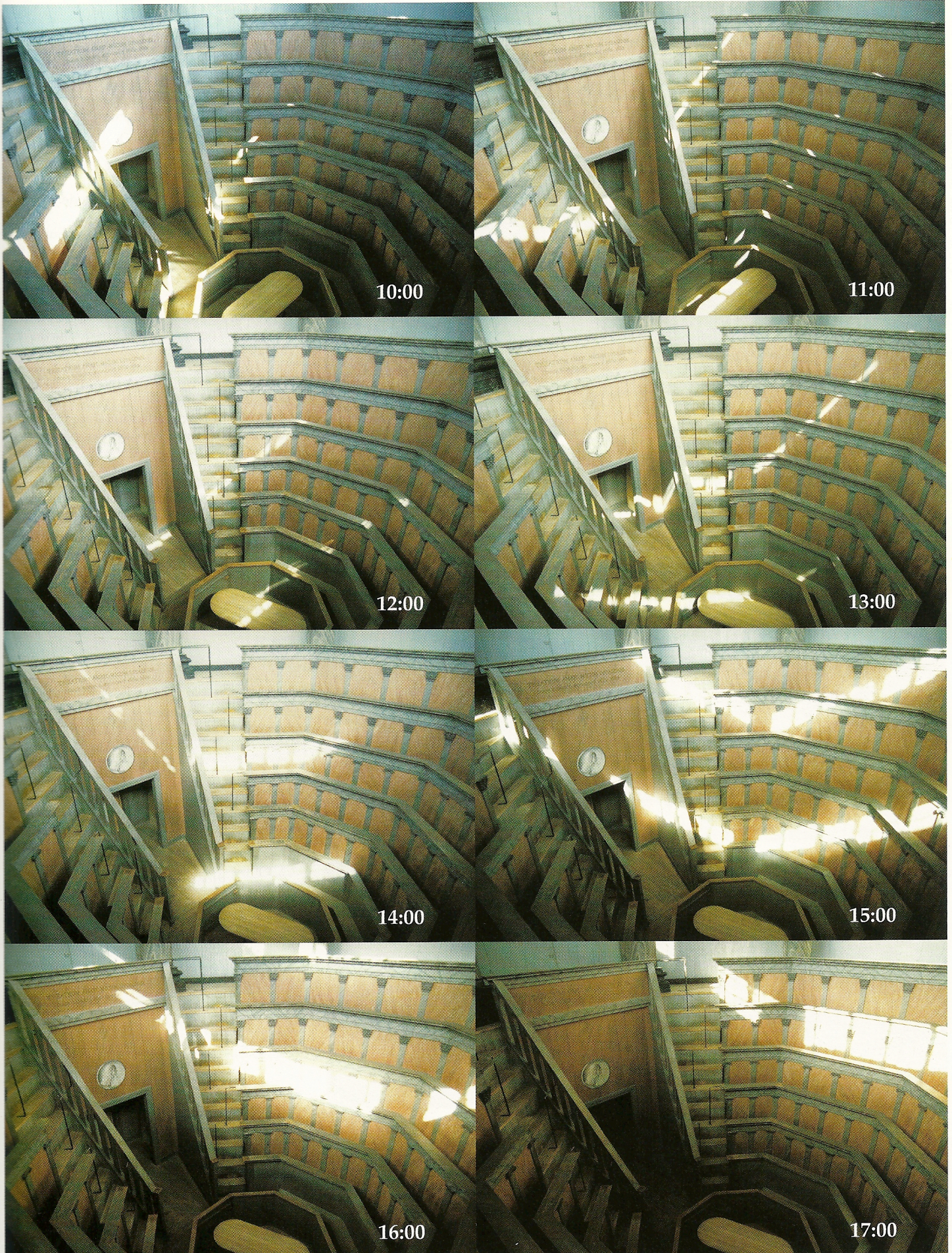




△ Exterior view showing the two rows of clerestories.

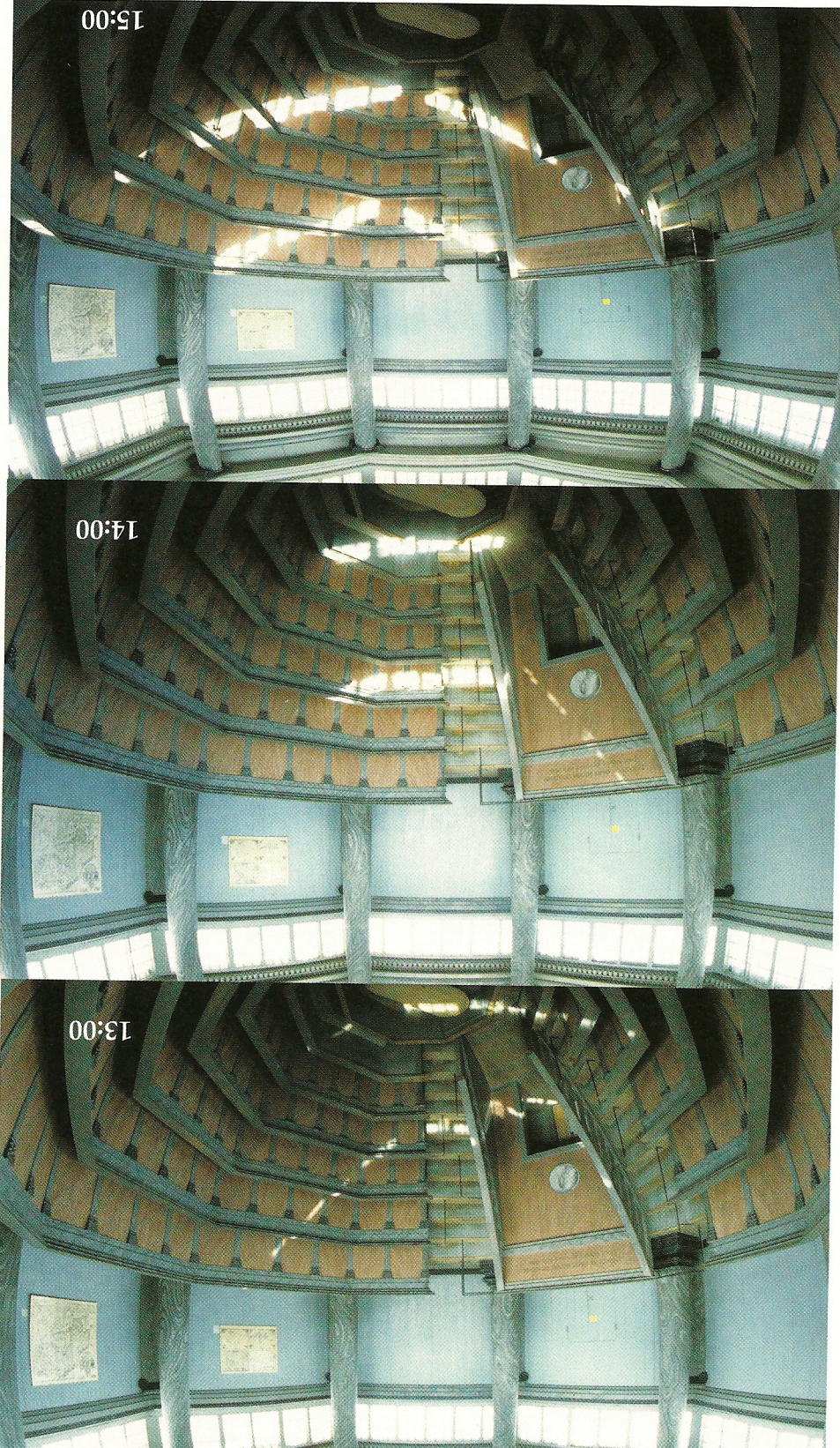


Δ Pictures of sunbeam penetration taken at one hour intervals, on 27 May 1997.

Window	72%
Grey painted walls	35%
Painted grey marble imitations	18%
Painted red marble imitations	18%
Hemispherical-hemispherical Reflectances	72%

Material properties assessed on site

Δ Pictures of sunbeam penetration taken at one hour intervals, on 27 May 1997.



Building description

Built in 1663.
Class area/Floor area: 0.40% - 0.50% - 0.60%
Height floor at dissection table - 1.50m

Number of standing spectators - 100

Climate
Uppsala is located near the Swedish coast about 65 km north of Stockholm. Latitude: 59°8'7"N, Longitude: 17°6'0"E. Altitude: 17-60E.

The climate is of the temperate north-west coastal type, although more continental than the Swedish west coast climate. The average temperature is around 4°C in winter and around 16°C in summer. During February there are on average 10 cloudy days per month, whereas during the rest of the year there are on average 10-15 totally cloudy days per month. Clear days at a maximum during March to July, an average of about five to seven clear days per month. During November and December are only about two clear days per month.

Client
The Swedish National Board of Technical Buildings Uppsala (Statiga Akademin), Uppsala AB.

Architect
Olof Rudbeck (1630 to 1702), Professor of Medicine at Uppsala University, Director of the Uppsala Hospital, and author of the book *Atlantica*. Rudbeck here claimed that the four-volume work *Atlantica* was identical to Plato's submergical Atlantis, consequently the ancestral home of all culture and knowledge.

Monitoring organisation
Chalmers University of Technology, Department of Building Services Engineering and The Monitoring Centre for Energy Research, Göteborg, Sweden.

References
Andersson, H.O. and F. Bedaride. *Swedish Architecture - Drawings and Building Project Group*, 1985. *Completion of the Building Group Gustavum C502, Uppsala* (in Swedish). Statens Fastighetsverk, Uppsala, Sweden.

Engström, J. 1983, 1986. *The Theatre, Information Office*, Uppsala University, Uppsala, Sweden.

Sörbom, P. 1995. «Renaissance» Pseudo-Intellectual Fanaticism. SAAB Information Office, Uppsala, Sweden.

Acknowledgements
National funding for the monitoring Department of Energy Efficiency, Swedish National Administration of the Department of Energy Efficiency (BFR) is gratefully acknowledged.

