Atlas of Details



Jørn Oberg Utzon. Sydney Opera House 1958-1973

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Atlas of Details is a research project to demonstrate how insightful a section can be, in order to represent the complexity of the architectural artifact, since it allows the simultaneous perception of materiality and form, of building envelope and interior spaces. Atlas of Details is a project by The Formwork, an association established by professors and PhD candidates with diverse academic backgrounds (history, architectural design, technology, preservation) working at the IUAV University in Venice and at the Milan Politecnico. For more information about the Atlas of Details and The Formwork, please contact info@theformwork.org.

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Jørn Oberg Utzon Sydney Opera House

1958-1973

Text

Althea Andreoni IUAV Venezia

Drawings

Althea Andreoni IUAV Venezia

Architect

Jørn Oberg Utzon

Name of the building

Sydney Opera House

Site

Sydney (NSW, Australia)

Client

New South Wales Government (Premier John Joseph Cahill)

Contractors

Ove Arup and Partners, Consulting Engineers

Engineer

Ove Nyquist Arup (1895-1988)

Other actors

Peter Hall (architect, third phase);

Civil & Civic (base structure);

Hornibrook (roof structure);

Höganäs (tiles);

Concrete Industries (Monier)(pavings);

Cremer, Gabler (acoustics);

Waagner-Biro (stage);

Hornibrook (contractors, third phase)

Competition

1956

Building permit

1957

Start of construction works

1958

Project variations

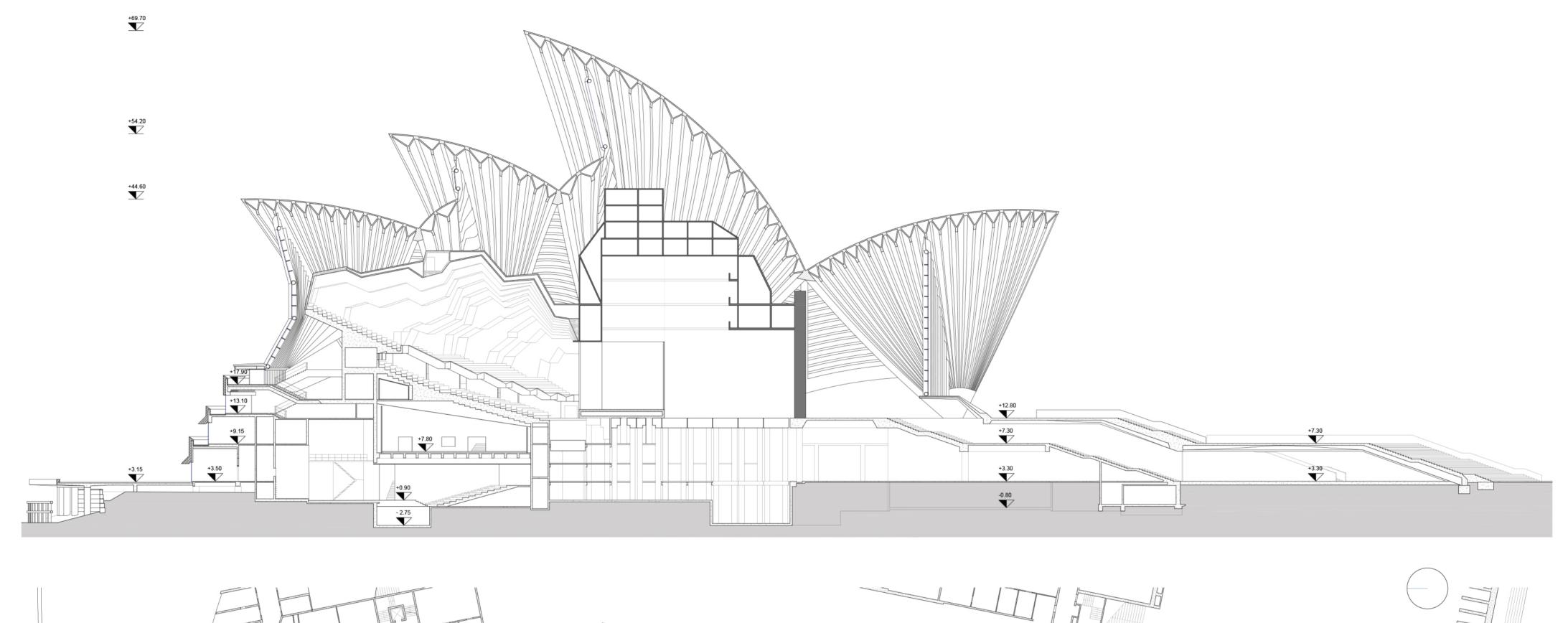
First variation (1958); Second variation (1966); Utzon dismissed (1966)

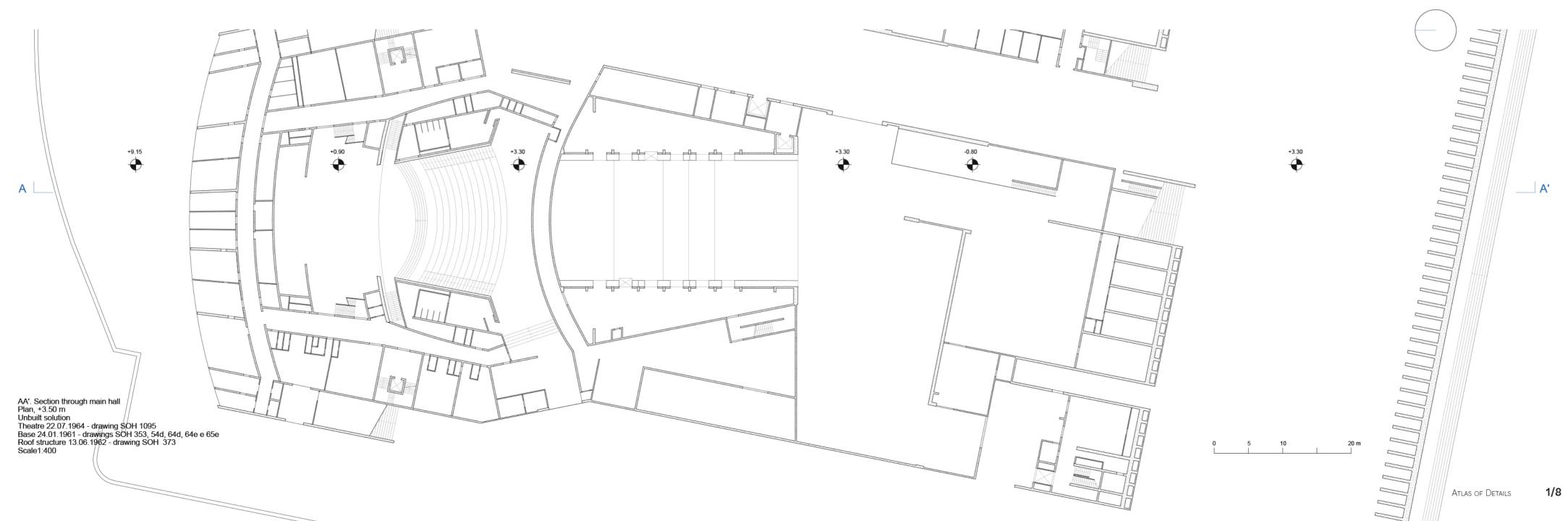
End of construction works

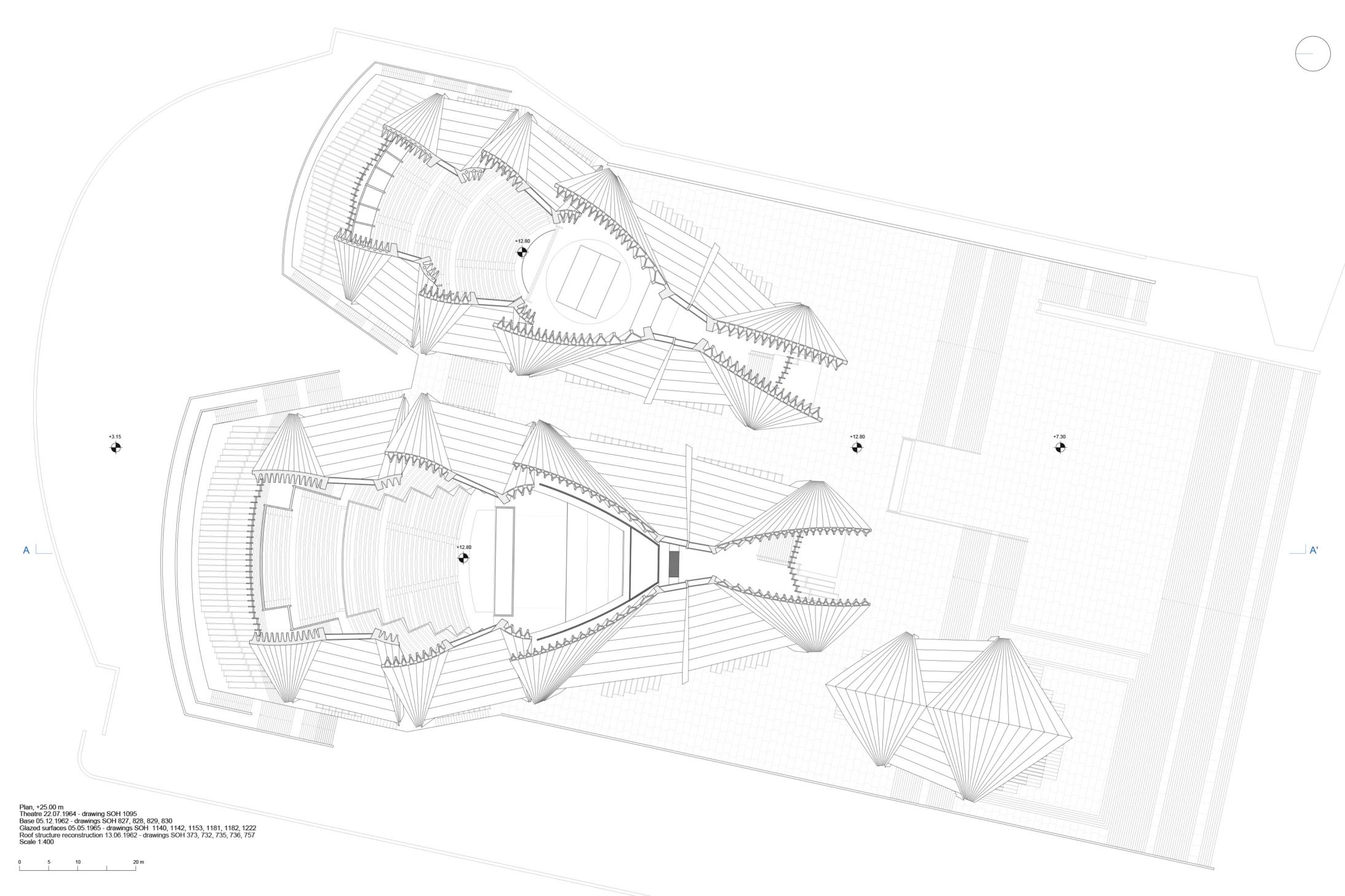
1973

Construction system

Tile-coated reinforced concrete shell with prefabricated ribs.



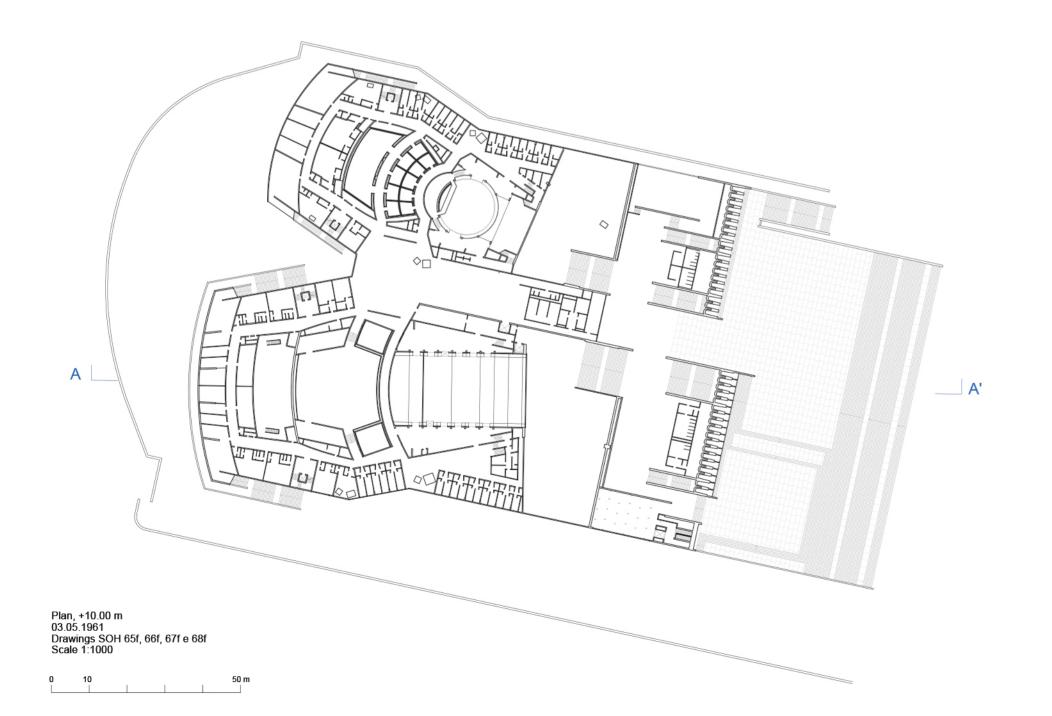


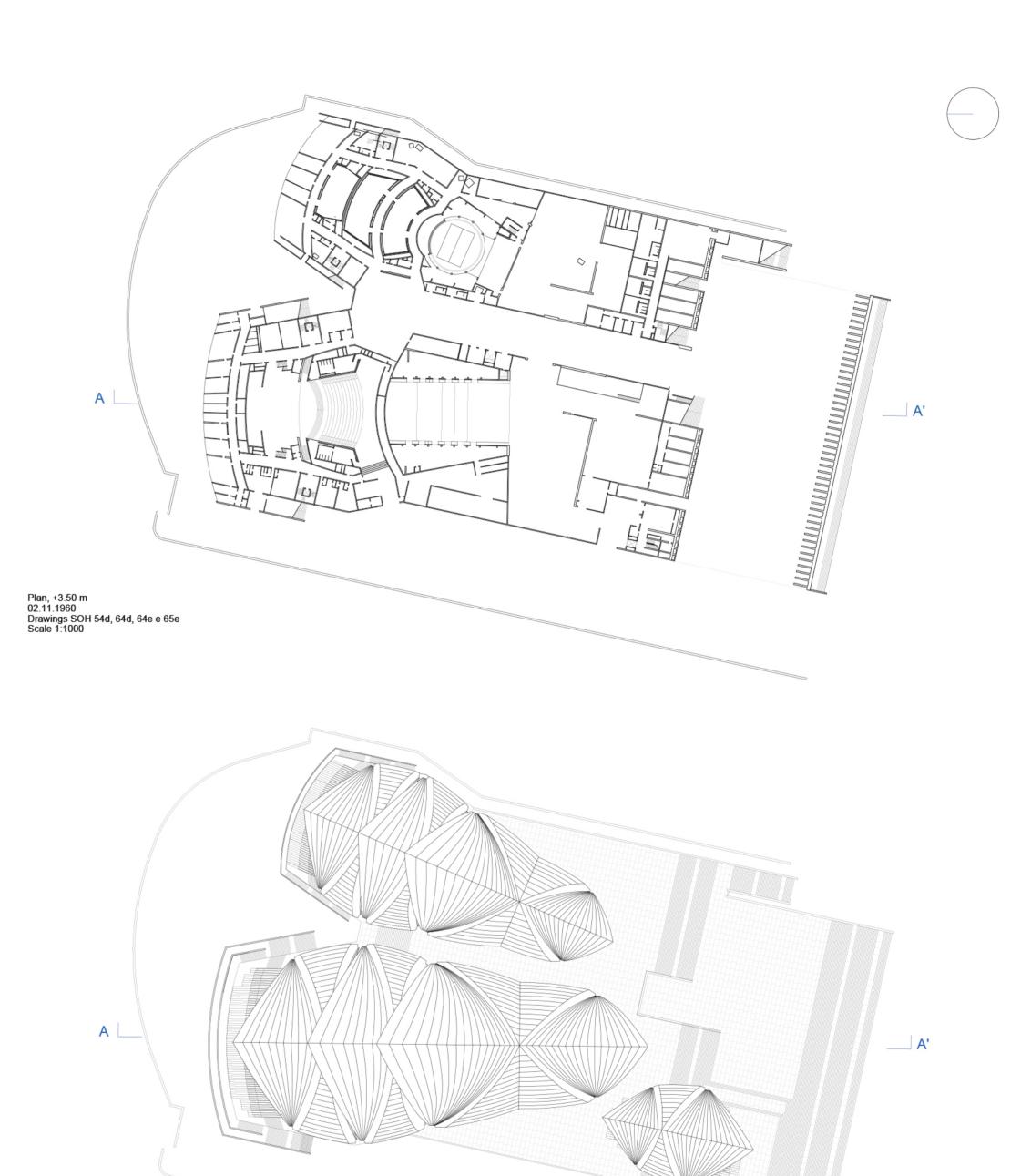




General site plan 01.05.1964 Drawing SOH 1090 Scale 1:10000

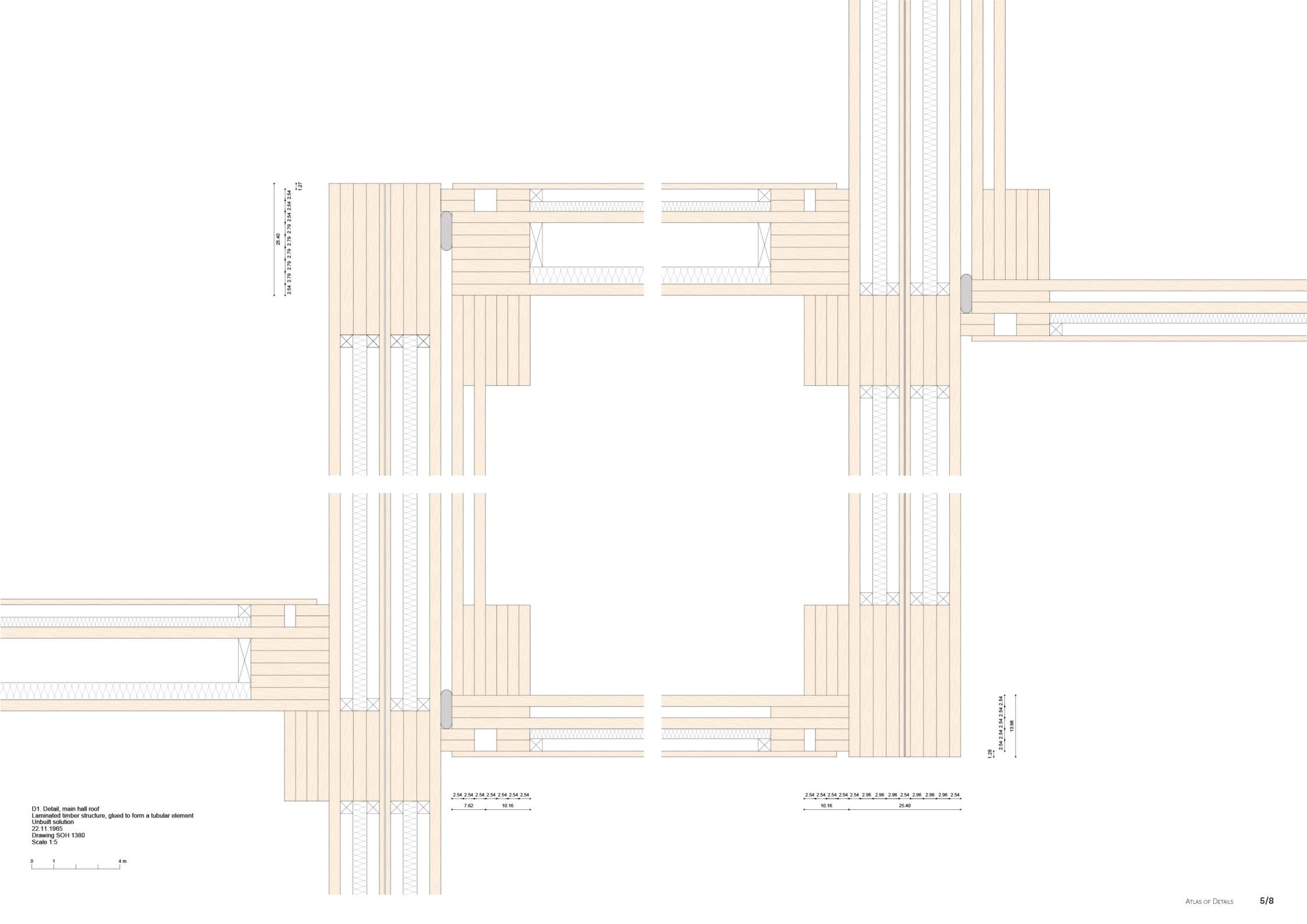
0 100 500 m

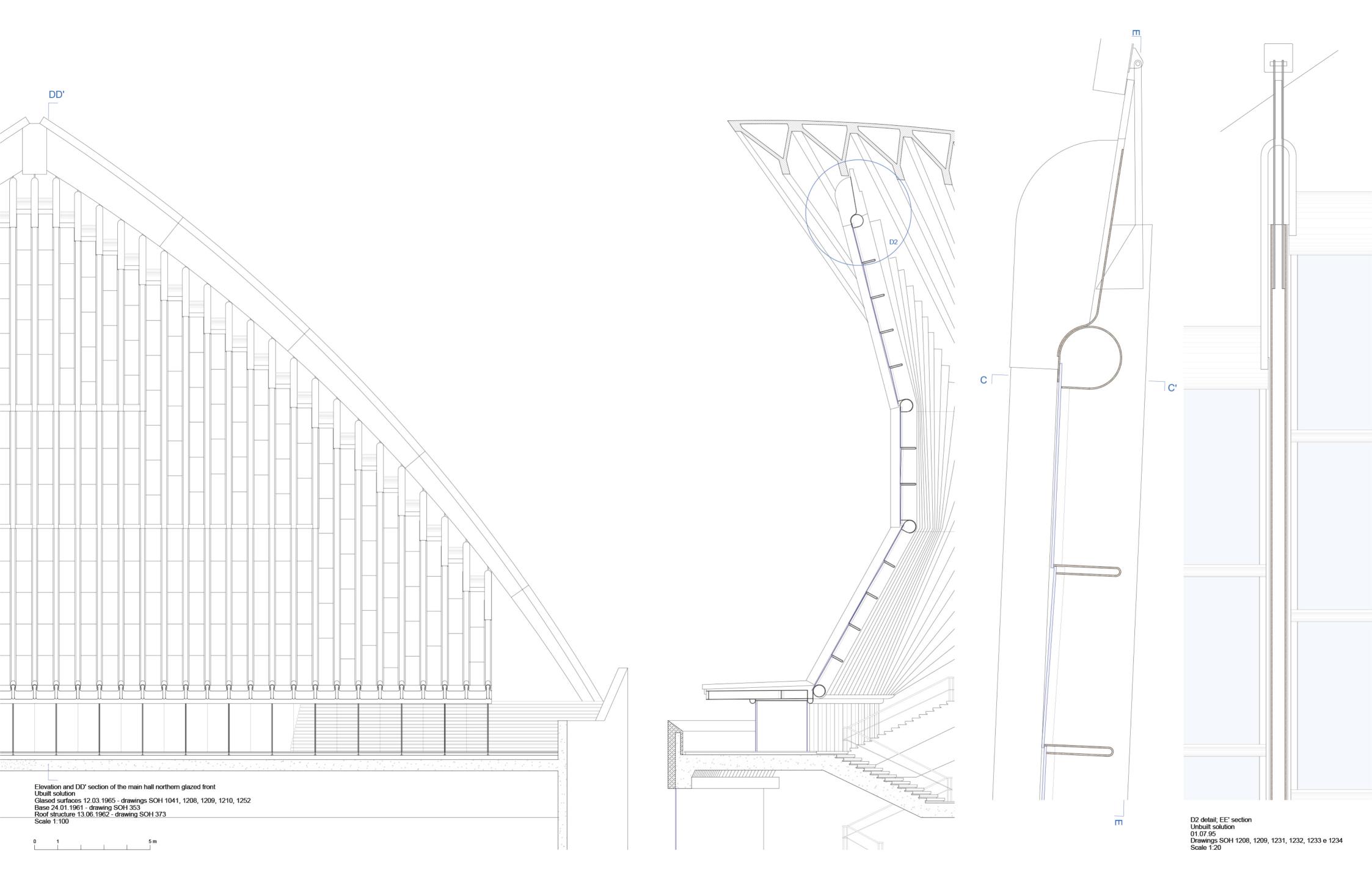


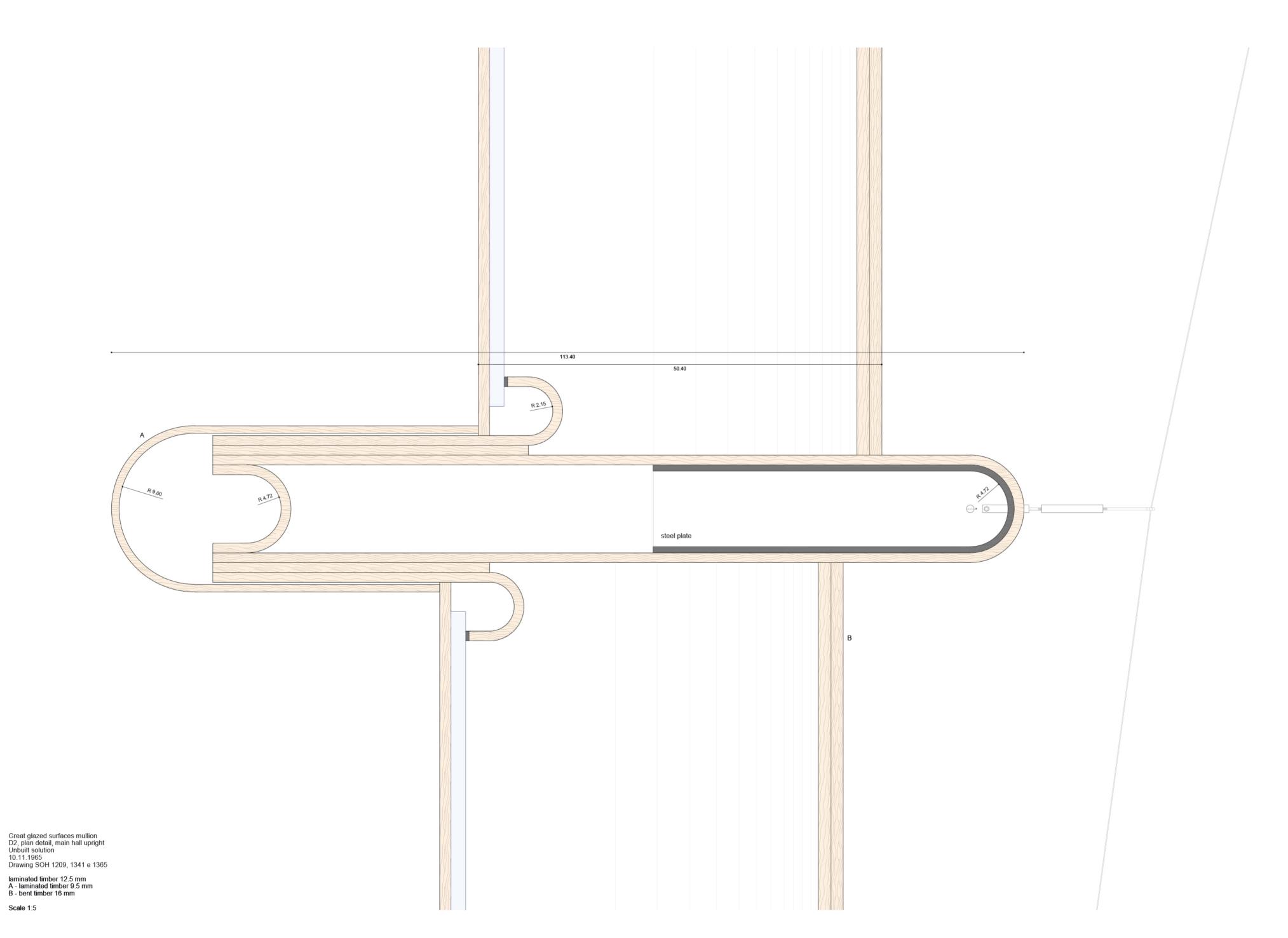


Plan, roof structure 02.1962 Drawing SOH 641 Scale 1:1000



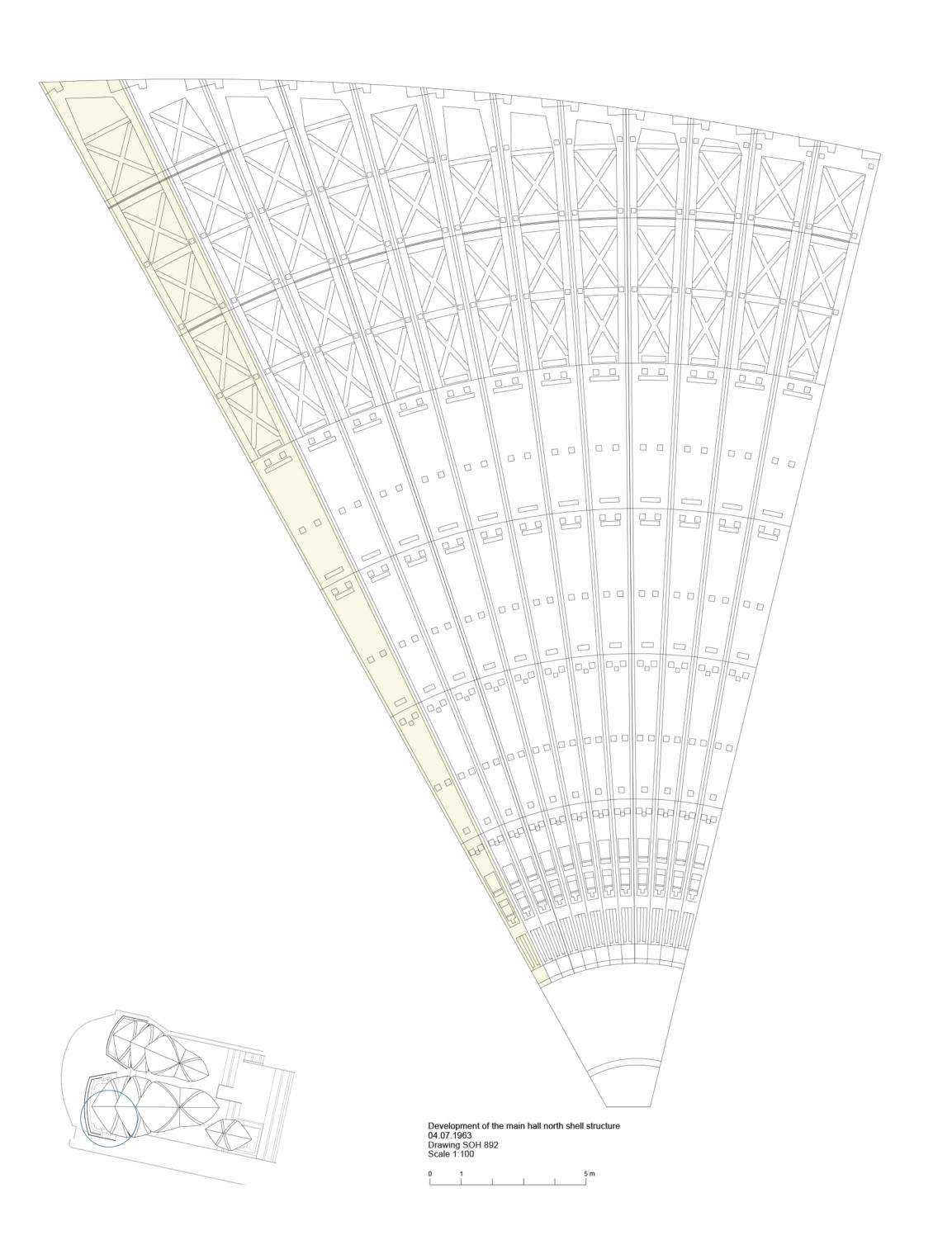


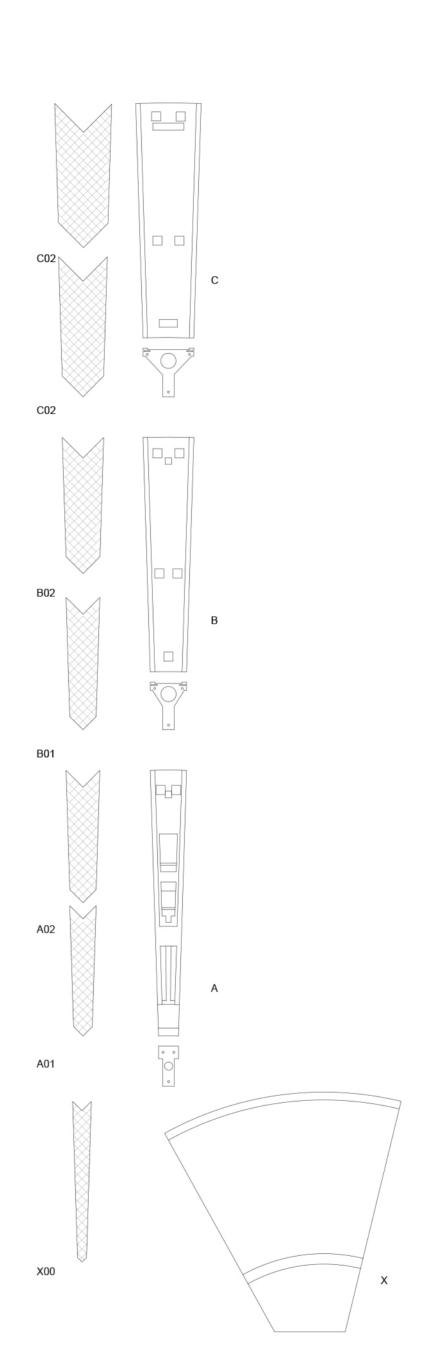


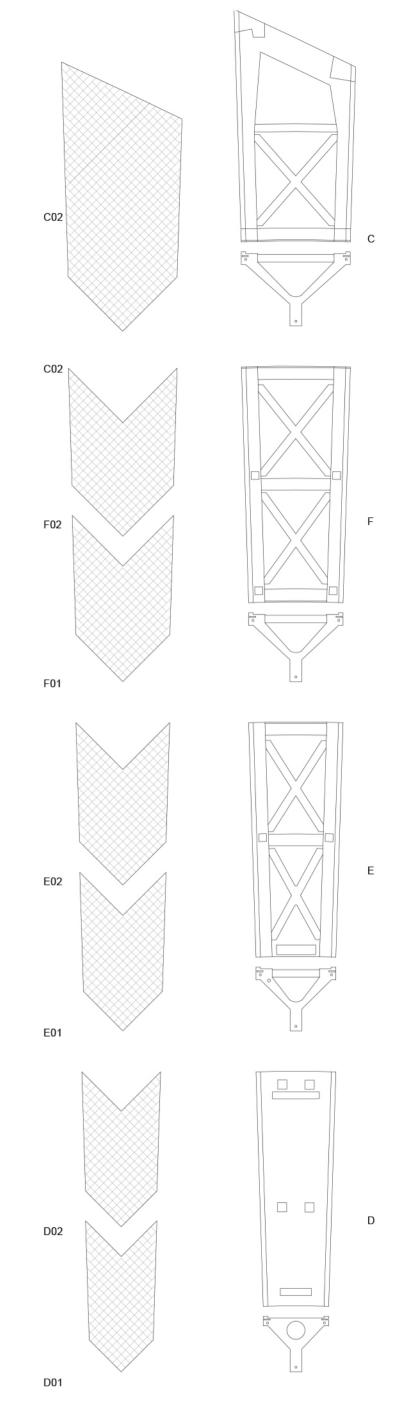


Scale 1:5

7/8







Abacus, structual elements and roof tiles 06.11.1961 Drawings SOH 551, 953 and1078 Scale 1:75