

Atlas of Details



Lina Bo Bardi. MASP 1957-1968

Author(s): Valeria Simonini

Copyright: © 2023 The Formwork

URL: <https://www.detailsinsection.org/archives/projects/masp>

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior permission of the publisher. For permission requests regarding the partial or total reproduction of this item, write to the editor at the address below.

Please note: printing of this item for personal, noncommercial use is permitted. The graphic materials contained here have been produced for an optimised screen visualisation. For a good quality print, original full bleed sheet format (A2 horizontal) are to be maintained; inkjet plotting on opaque coated paper should be preferred.

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.

The Formwork

Cultural association

Cannaregio 638,

30121 Venezia (VE)

<https://www.theformwork.org/staging>

<https://www.detailsinsection.org/staging>

info@theformwork.org

Lina Bo Bardi

MASP

1957-1968

Text

Valeria Simonini
IUAV Venezia

Drawings

Valeria Simonini
IUAV Venezia

Architect

Lina Bo Bardi

Name of the building

Museo de Arte de São Paulo (MASP)

Site

São Paulo (Brazil)

Client

Assis Chateaubriand, São Paulo Municipal Prefecture

Engineer

Engineer J.C. Figueiredo Ferraz, of the Empresa de Consultoria e Engenharia de Projetos F. Ferraz (structural design)

Other actors

Engineer J. L. Braga de Almeida Castanho (structural computations);
R. Rochlitz (MASP) and engineer Aloysio d'Andrea Pinto (contractor)
(supervision, collaborators).

Design proposal

1958

Building permit

The building permit for the construction of the new MASP structure within the site was given in exchange for the political campaign advertisement of Ademar Pereira de Barros, Mayor of São Paulo (1957-1961) and State Governor (1947-1951, 1963-1966).

Start of construction works

1960

End of construction works

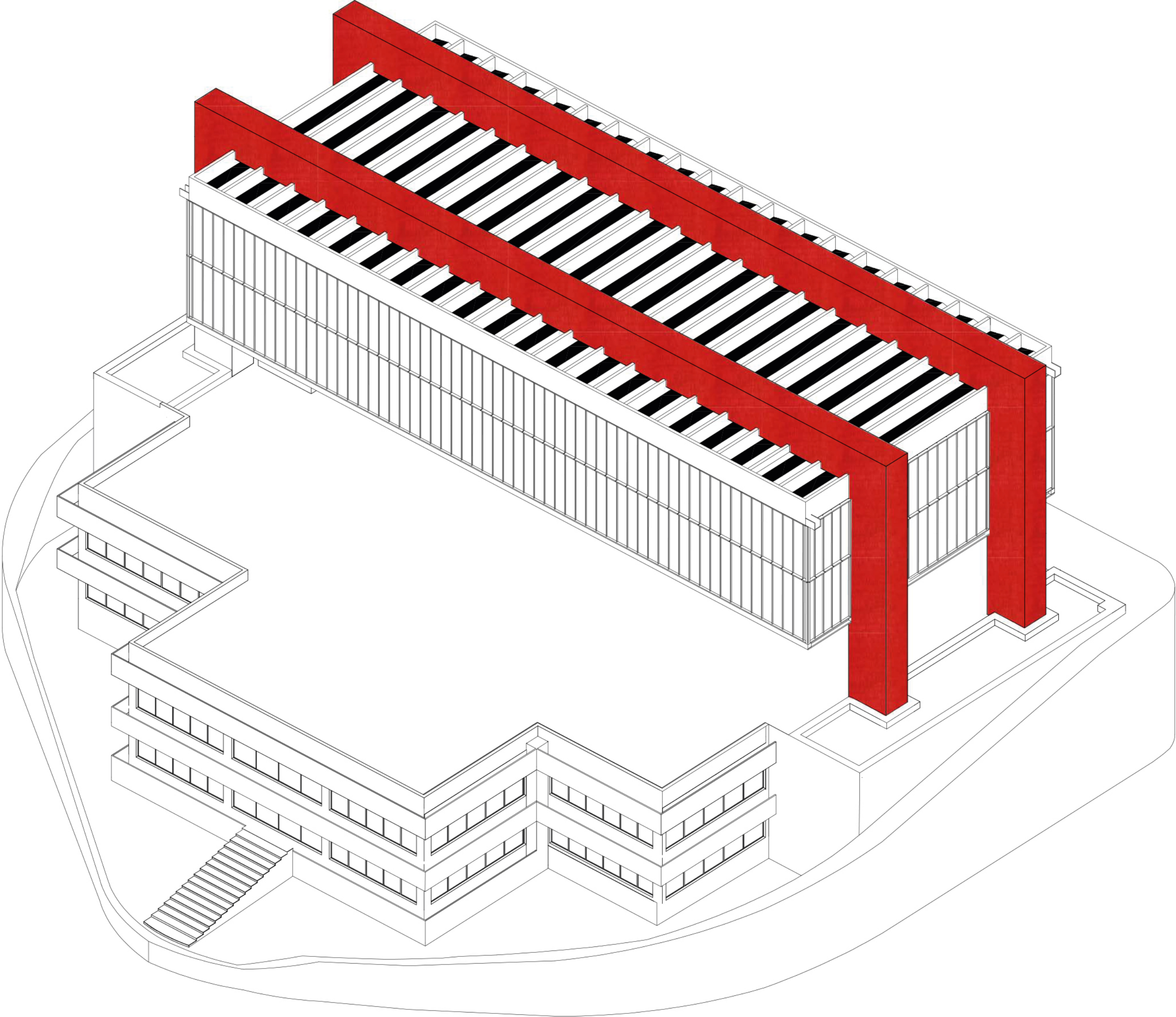
1968

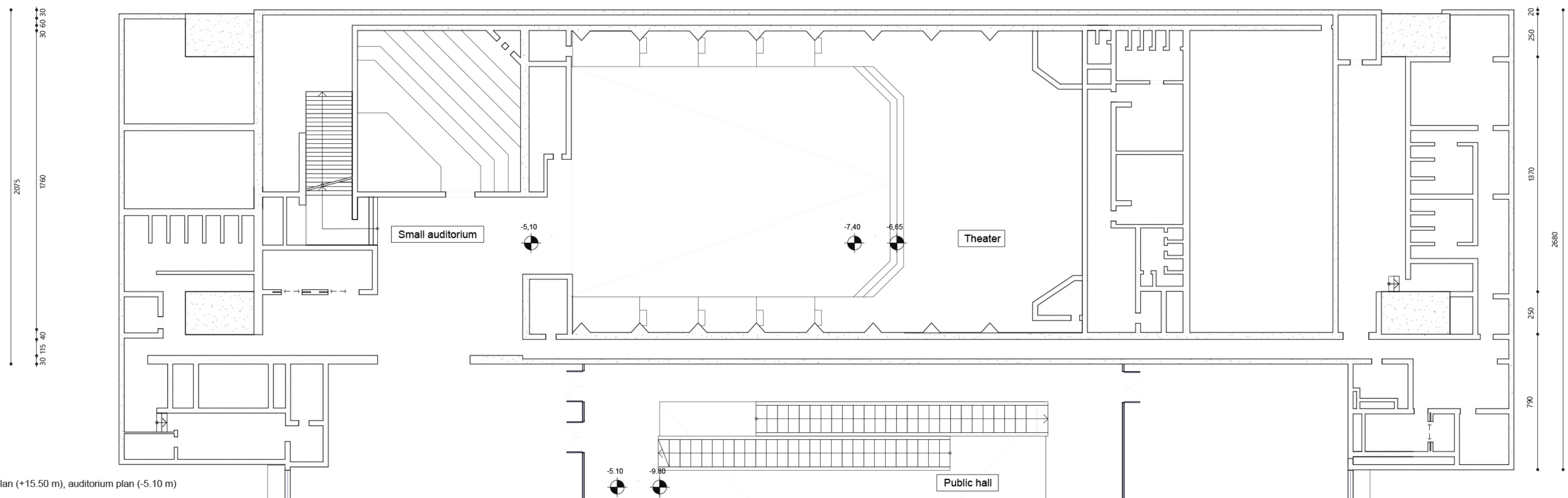
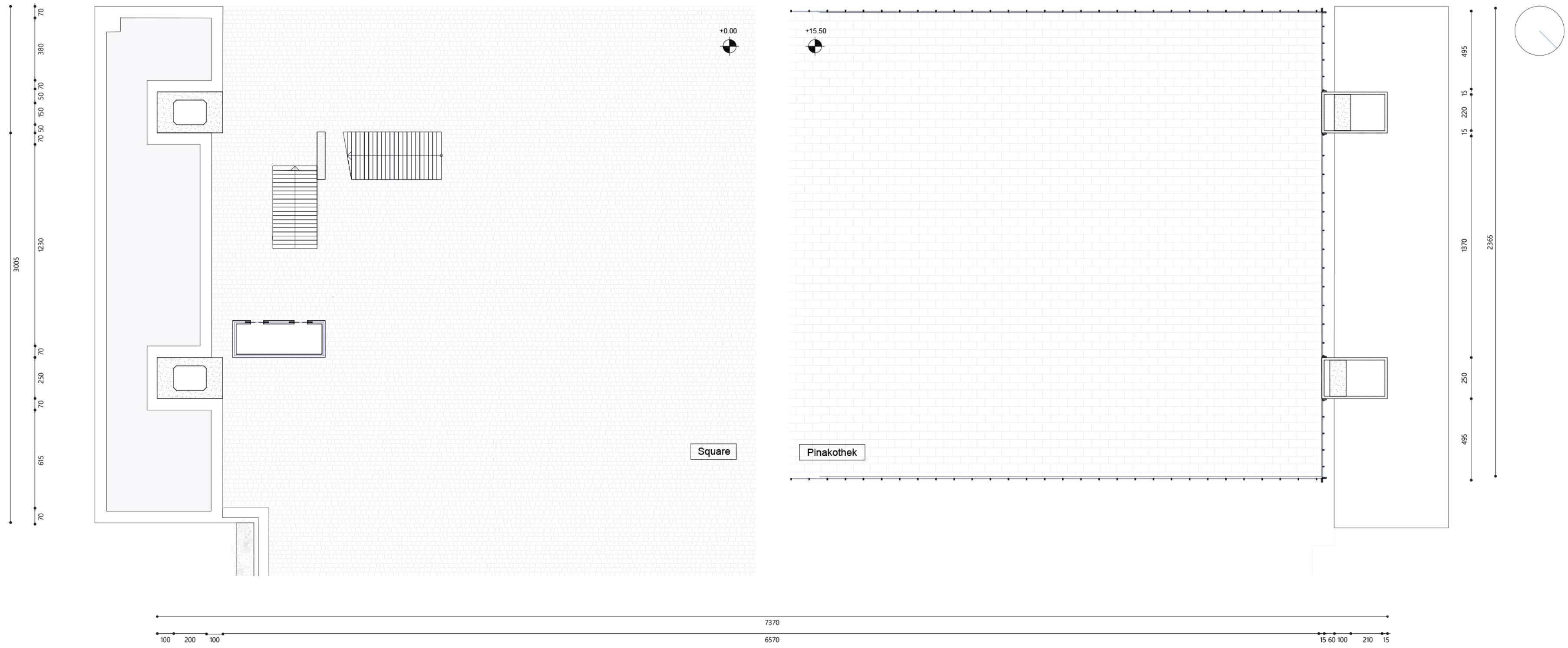
Preservation and other works

First cycle of significant preservation works (1989);
Removal of the “trestles”, new configuration (1996);
Addition of the new “-3 level” and relevant preservation works (1997-2000);
New prestressing of the external beams (1999);
The main gallery is set up again, with “trestles”; other works (2014).

Construction system

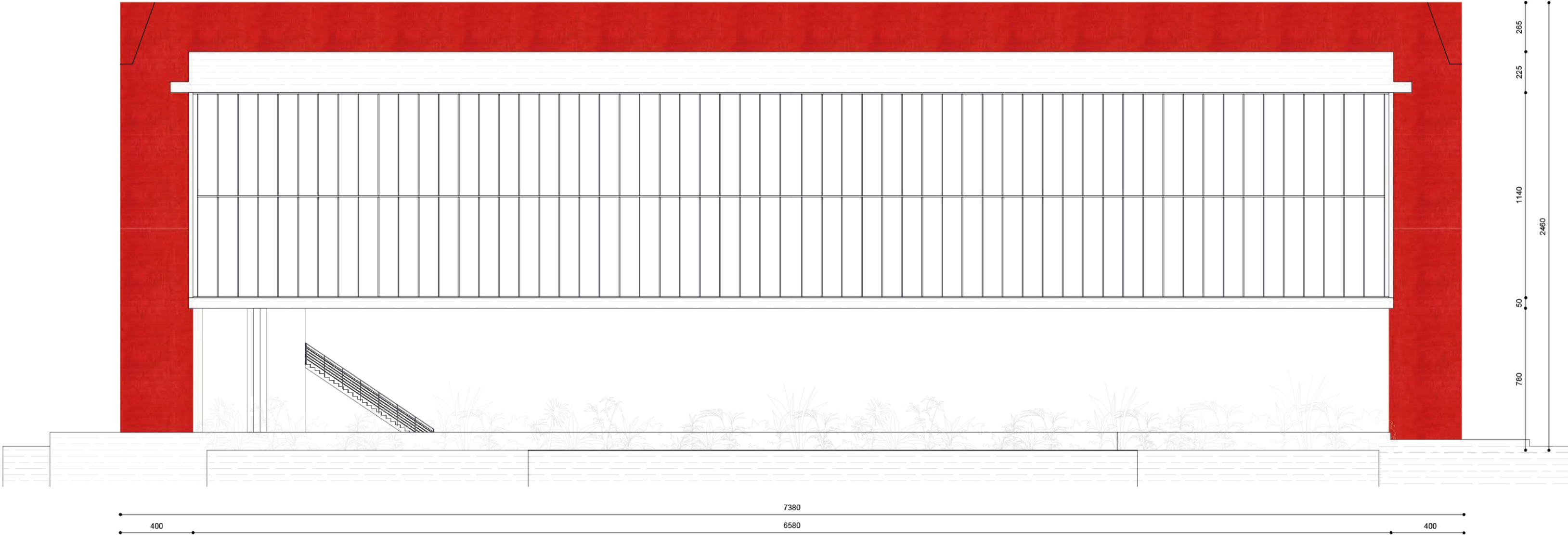
Two storey crystal box suspended via two great post-tensioned, prestressed reinforced concrete “trestles” (piers and beams).



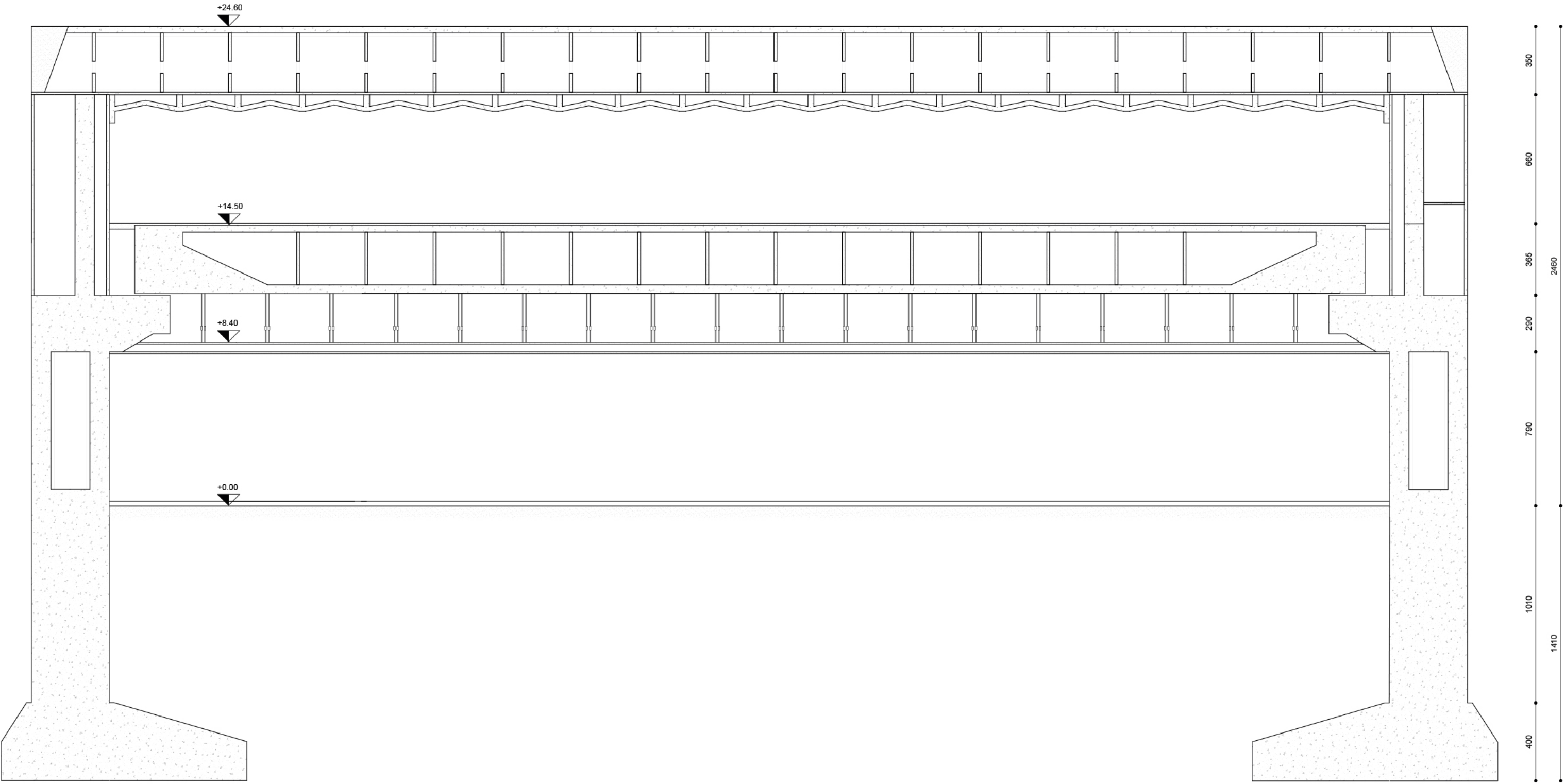


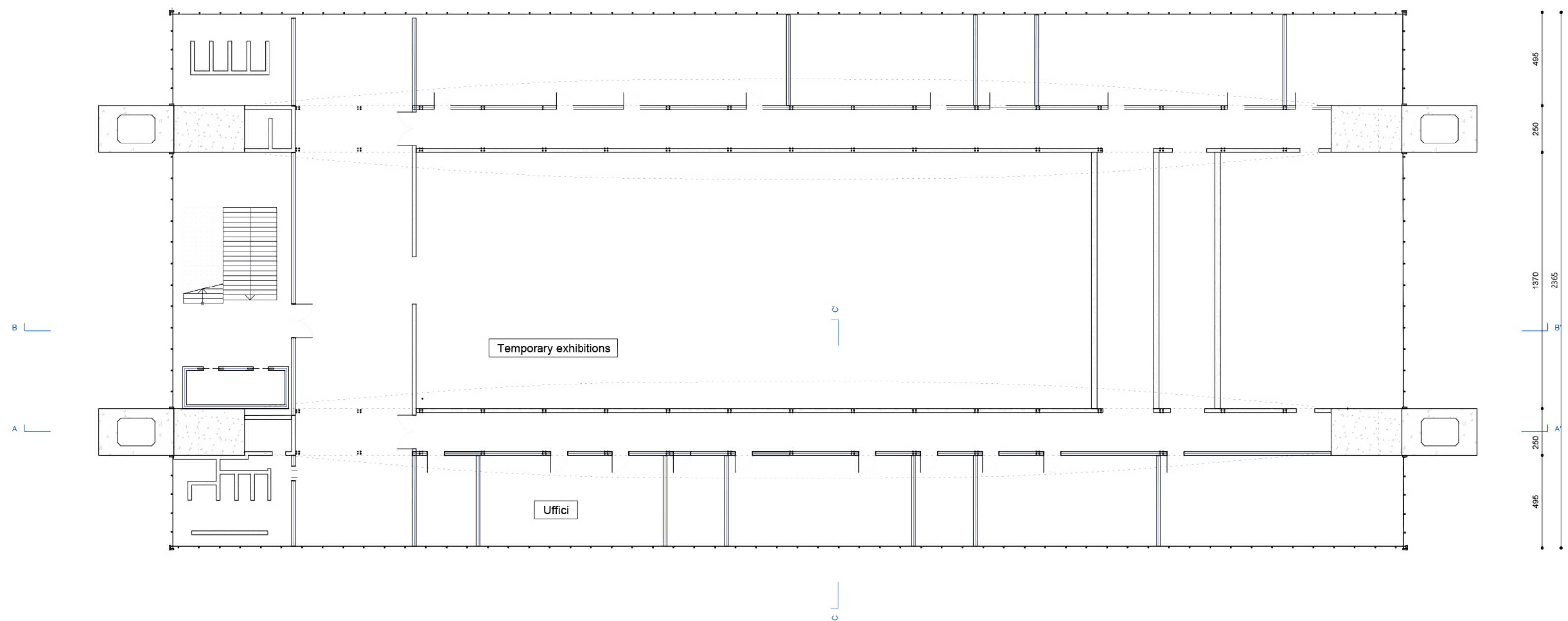
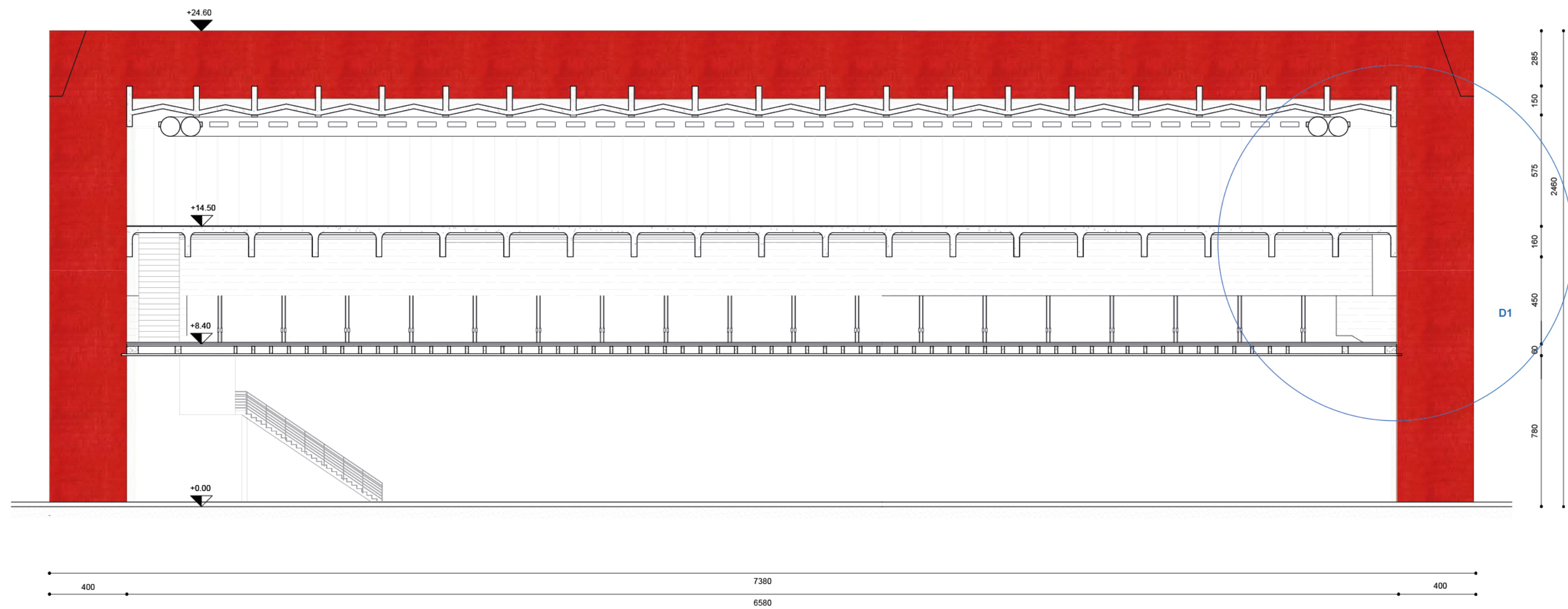
Square plan (+0.00 m), main gallery plan (+15.50 m), auditorium plan (-5.10 m)
Scale 1:200

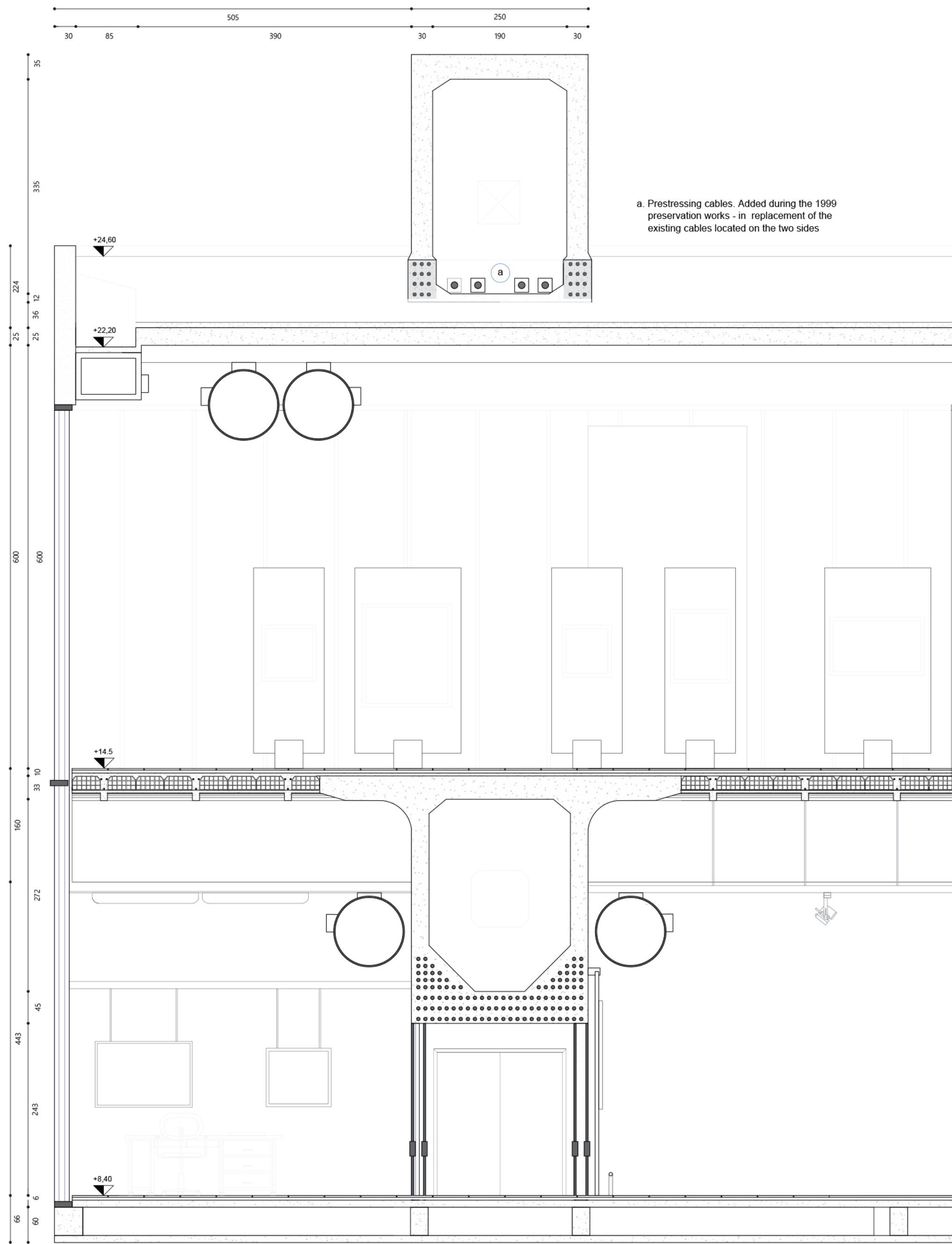
NE elevation
Scale 1:200



AA' section
Scale 1:200

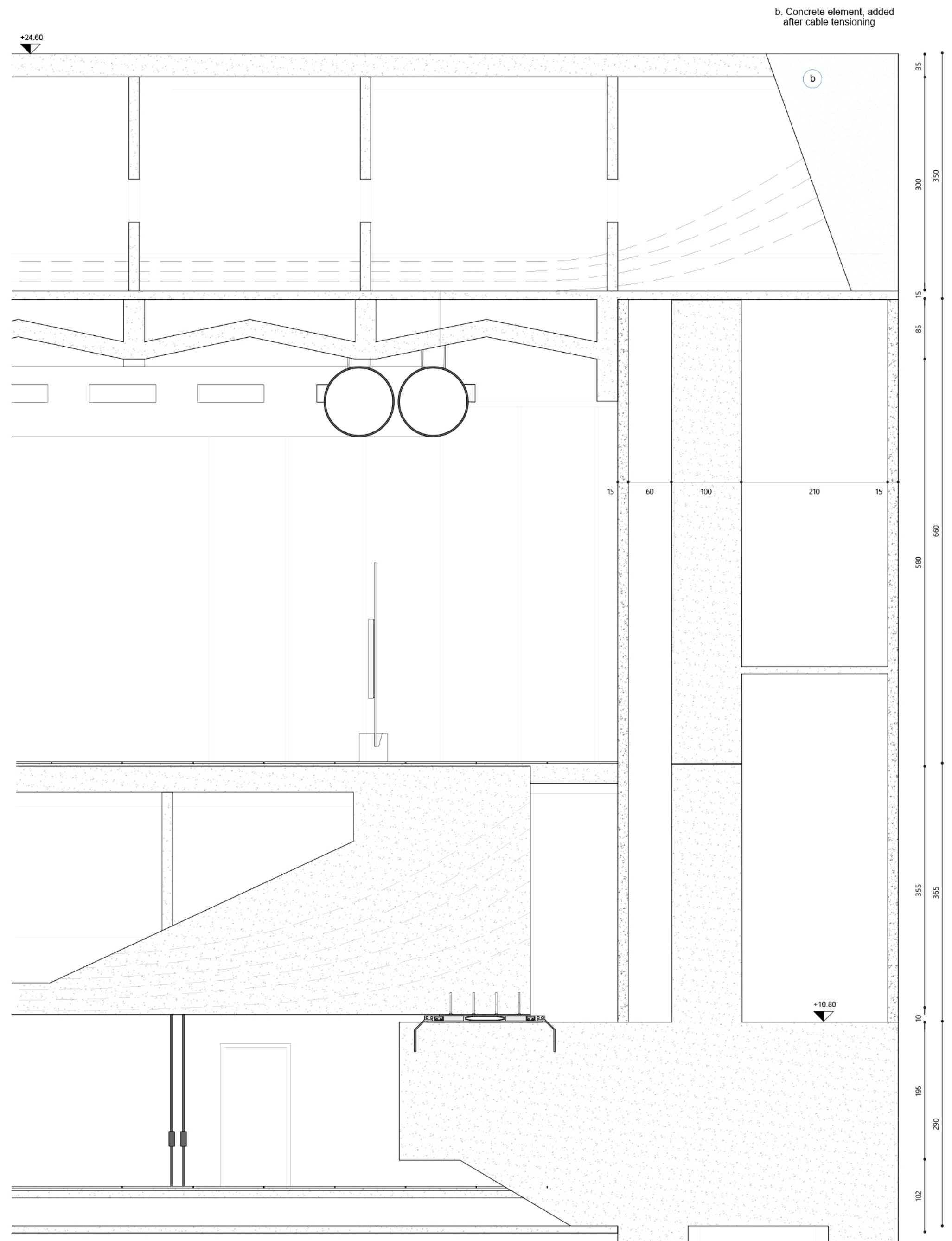






Scale 1:50
0 50 250 cm

CC' section



Detail D1