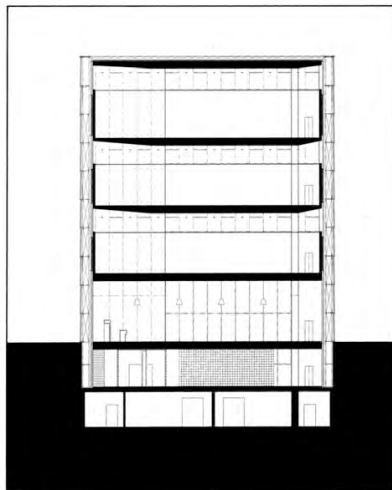


PETER ZUMTHOR

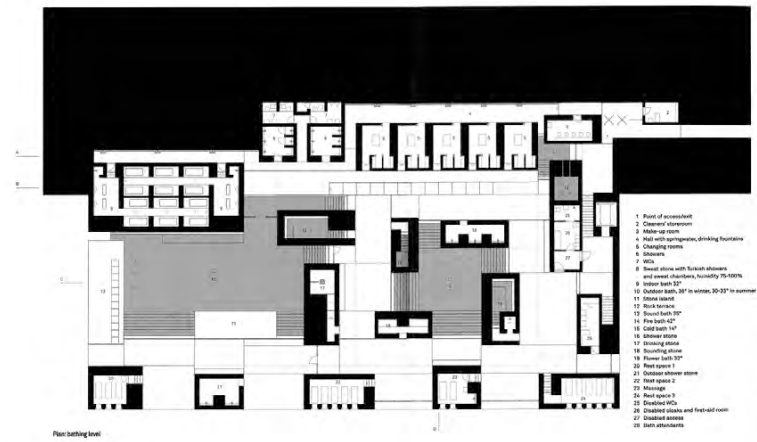
THE ARCHITECTURE OF BEING, BUILDING AND DWELLING

Born on April 26, 1943, the son of a cabinet maker, Oscar Zumthor, in Basel, Switzerland. He trained as a cabinet maker from 1958 to 1962.

From 1963-67, he studied at the Kunstgewerbeschule, Vorkurs and Fachklasse with further studies in design at Pratt Institute in New York.



Section A. 断面图A.



Plan bathing level

Principal works

1983 Elementary school Churwalden, Switzerland.

1983 House Räth, Switzerland.

1986 Shelters for Roman archaeological site, Chur, Switzerland.

1986 Atelier Zumthor, Graubünden, Switzerland.

1989 Saint Benedict Chapel, Switzerland.

1990 Art Museum, Chur, Graubünden, Switzerland.

1993 Residential home for the elderly, Masans, Chur, Graubünden, Switzerland.

1994 Gugalun House, Switzerland.

1996 Spittelhof housing, Basel, Switzerland.

1996 Thermal Baths, Vals, Switzerland.

1997 Art Museum, Bregenz, Austria

1997-2000 Swiss Pavilion, EXPO 2000, Germany

1997 Villa in Küsnacht am Zürichsee Switzerland.

1997 Lichtforum Zumtobel Staff, Zurich, Switzerland.

1999 Cloud Rock Wilderness Lodge Moab.

2007 Bruder Klaus Kapelle

2007 Kolumba, Cologne, Germany.

2011 Steilneset Memorial, Vardø, Norway



I used to take hold of it when I went into my aunt's garden. That door handle still seems to me like a special sign of entry into a world of different moods and smells. I remember the sound of gravel under my feet, the soft gleam of waxed oak staircase. I can hear the heavy front door closing behind me as I walk along the dark corridor and enter the kitchen[...].(1998:9)

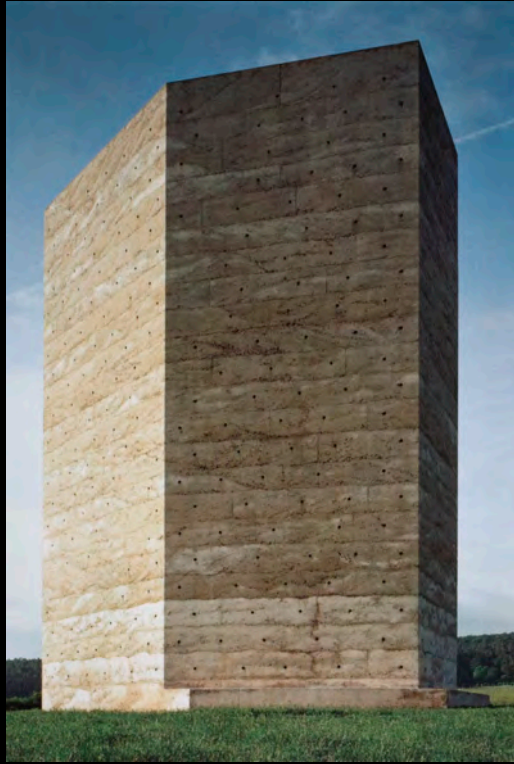
2007 Bruder Klaus Kepelle



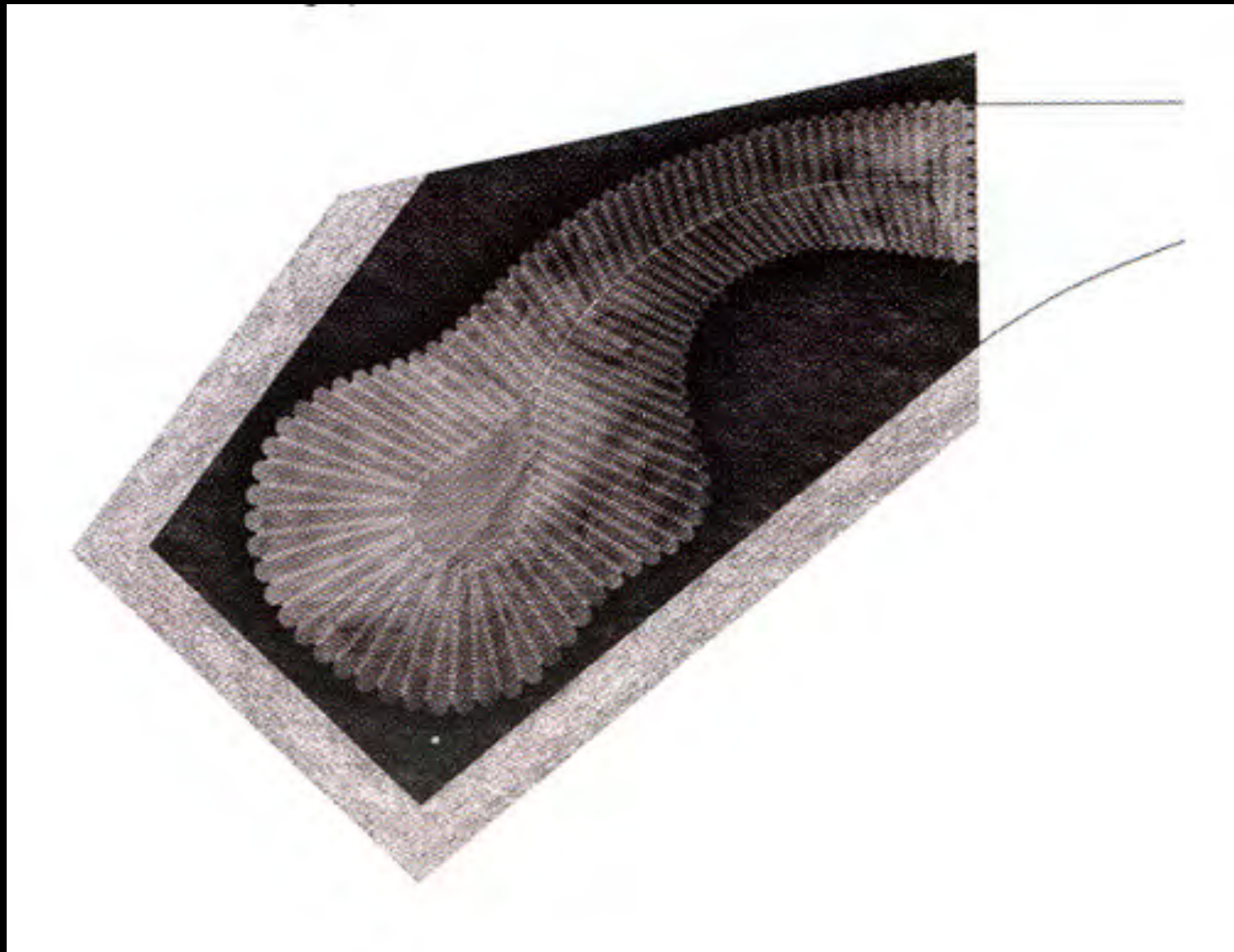


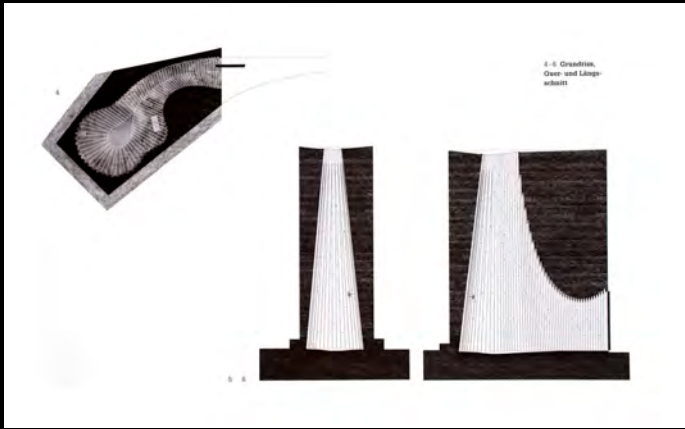


'Bruder Klaus' (St.. Nicholas) Chapel, Mechernich-Wachendorf, Eifel, Germany, 2007









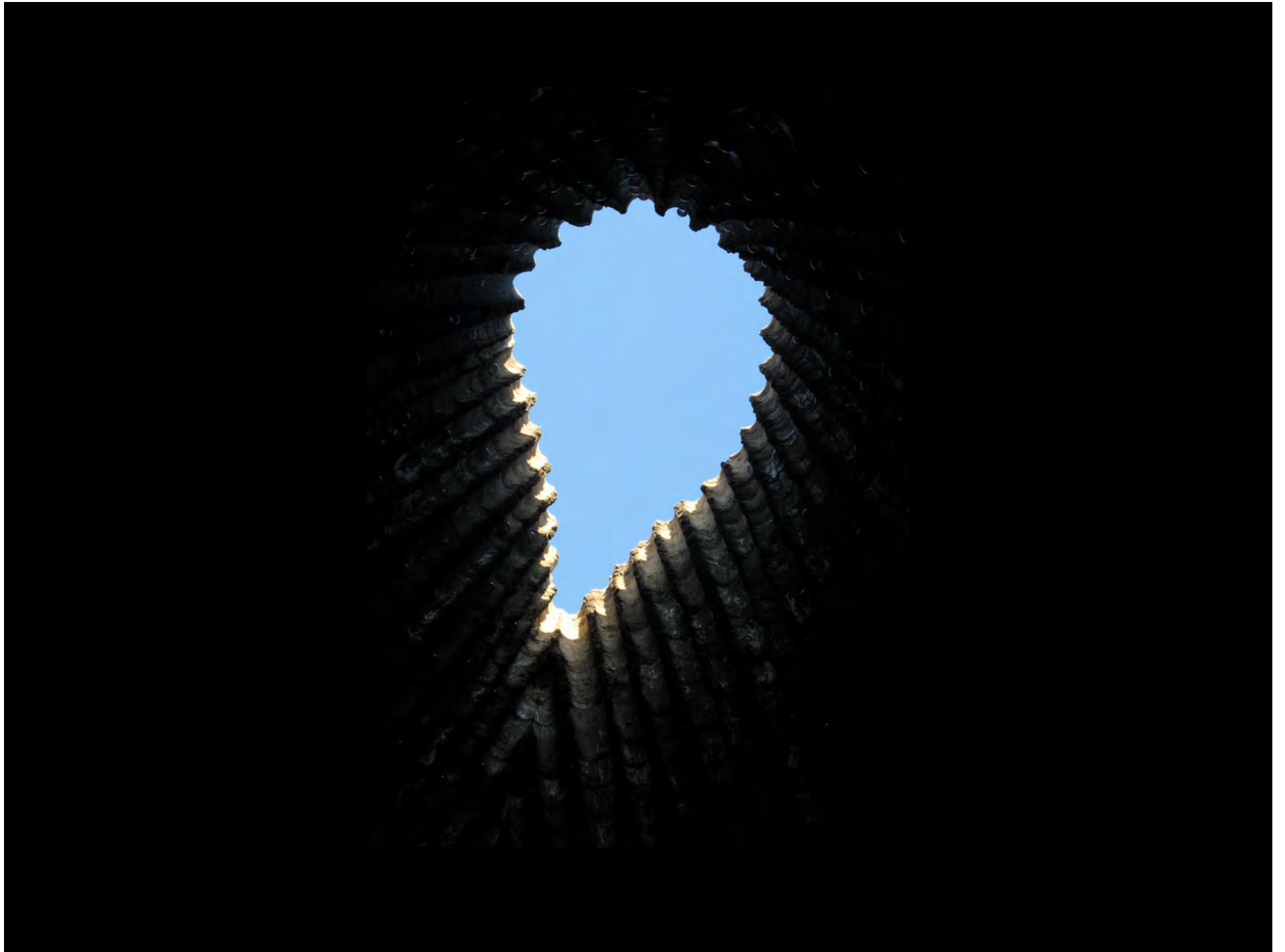












Boomstammen in een tentvormige
constructie vormen de
bekisting van de binnenruimte.
Nadien worden de boomstammen
verbrand zodat enkel hun
contouren overblijven



1986 Atelier Zumthor, Graubünden, Switzerland

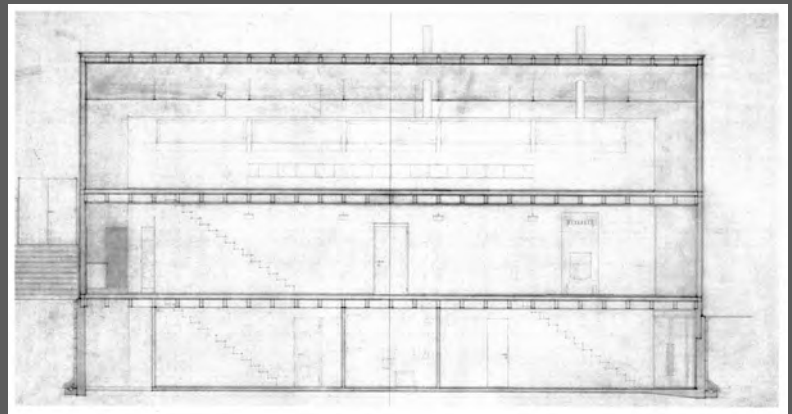
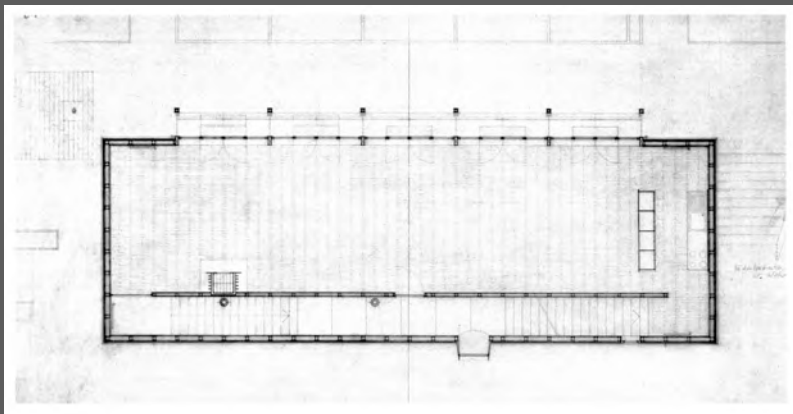
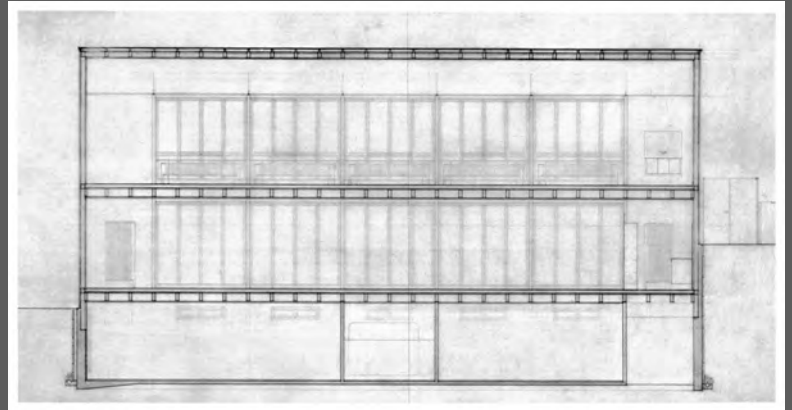
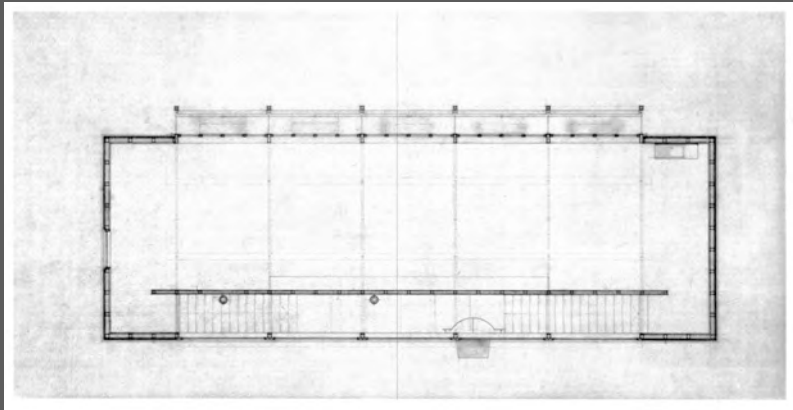


Original Studio and Office, 1985-86





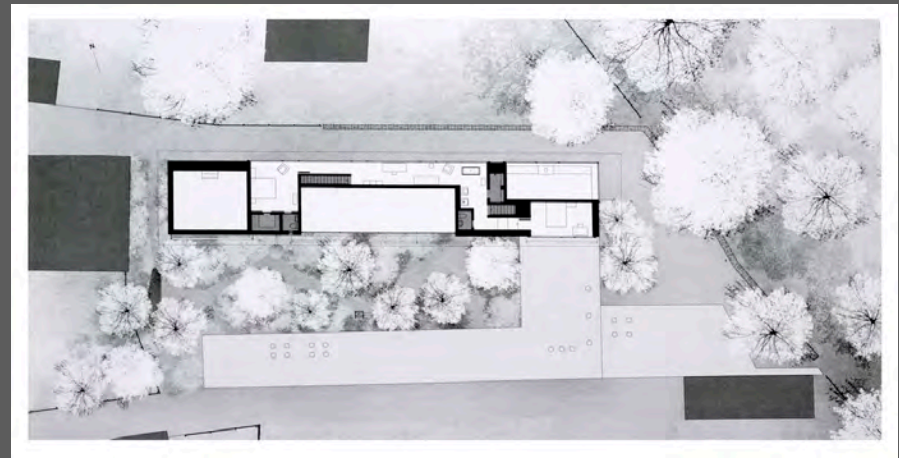
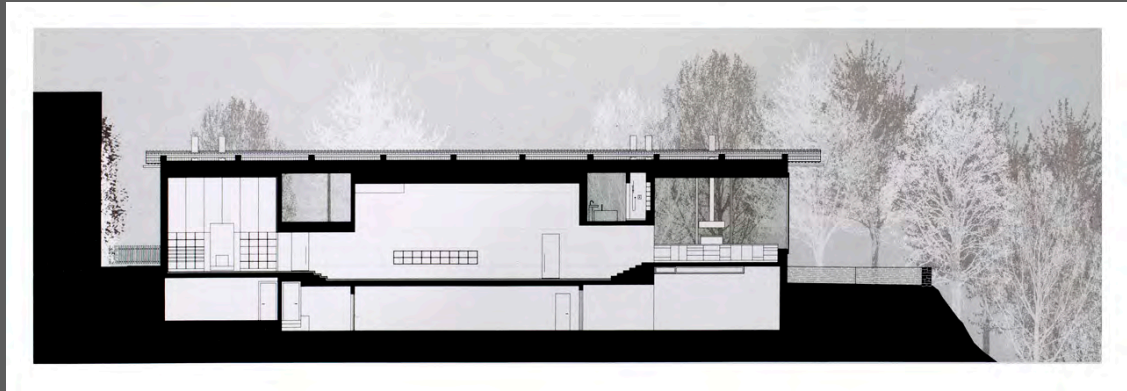
Zumthor Residence, Studio and Office, Haldenstein, Switzerland



















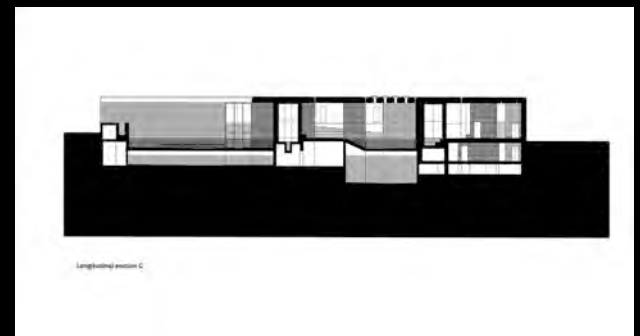
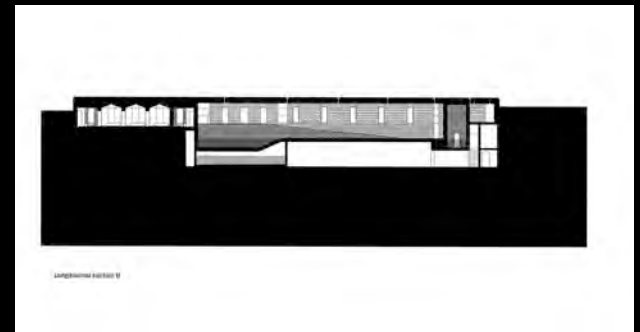
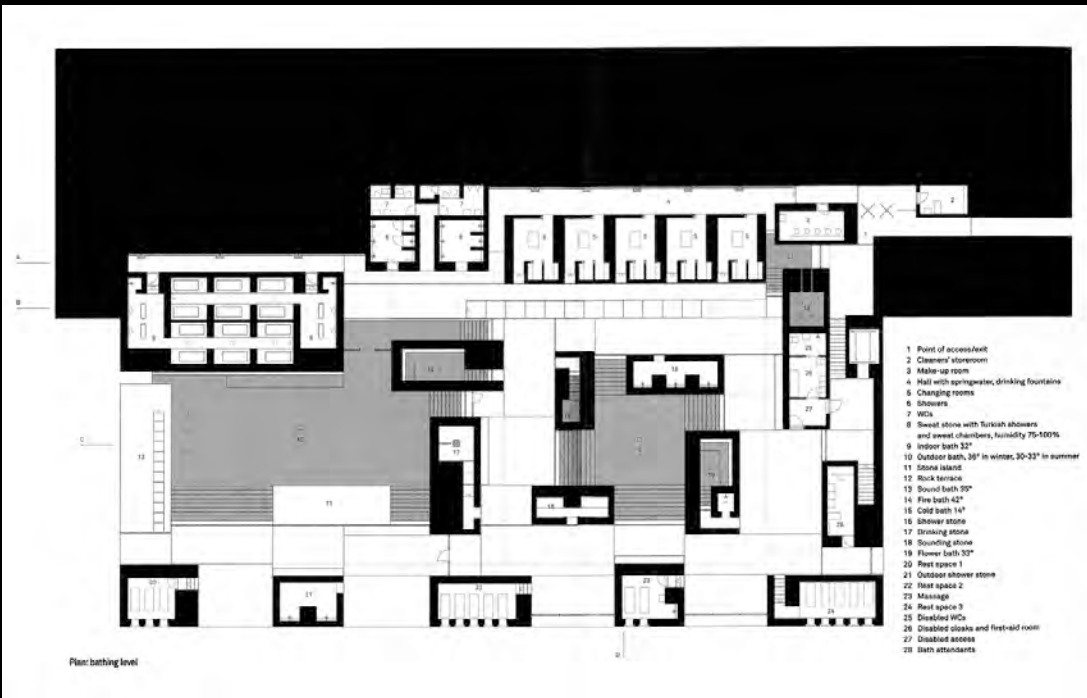
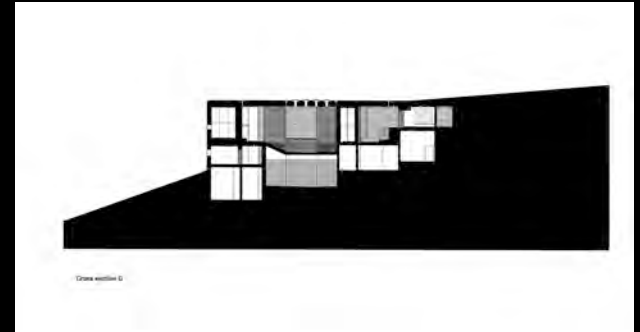
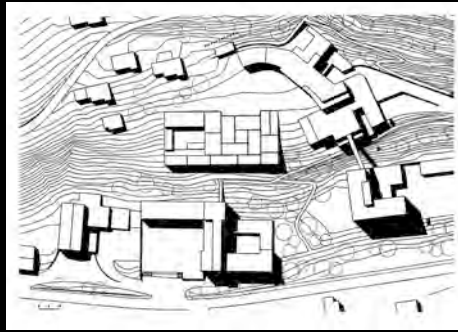
1996 Thermal Baths, Vals, Switzerland.



Thermal Baths, Vals, Switzerland, 1990-96

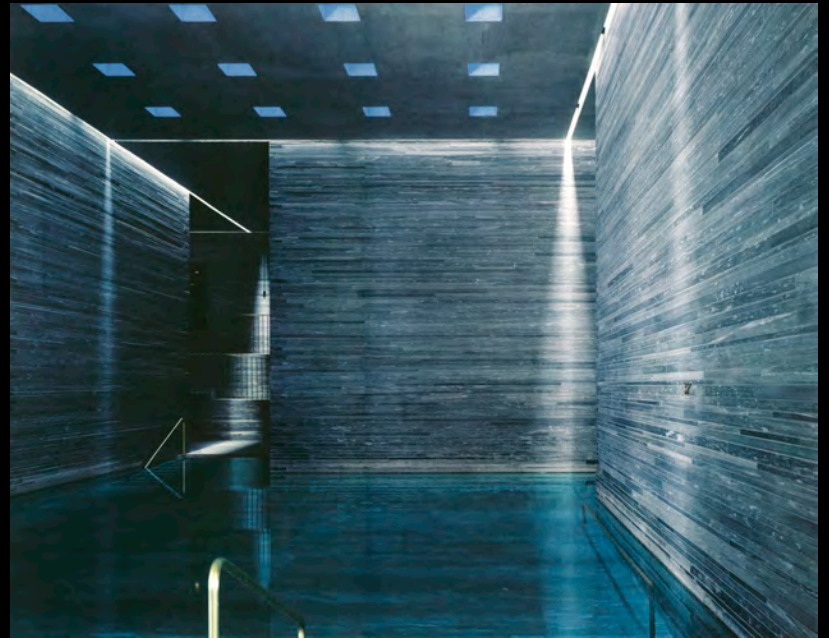
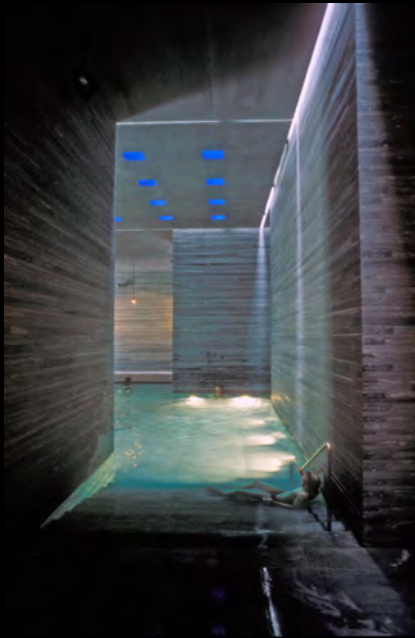


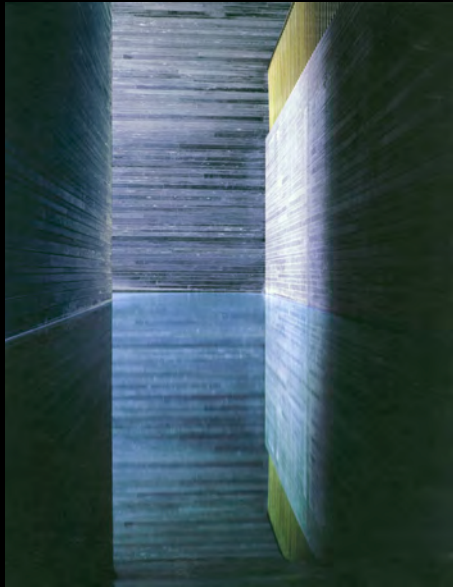
Thermal Baths, Vals, Switzerland, 1990-96

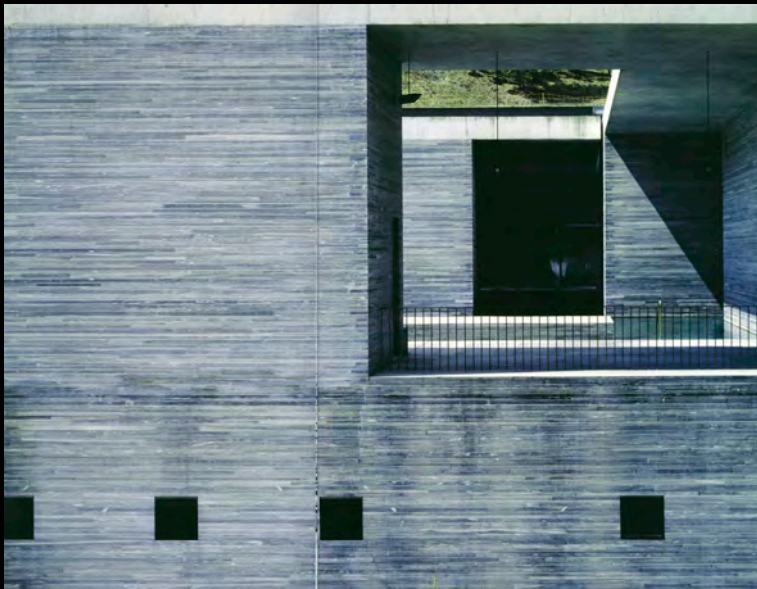
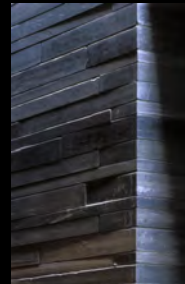


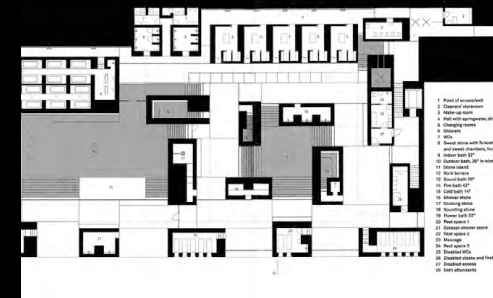
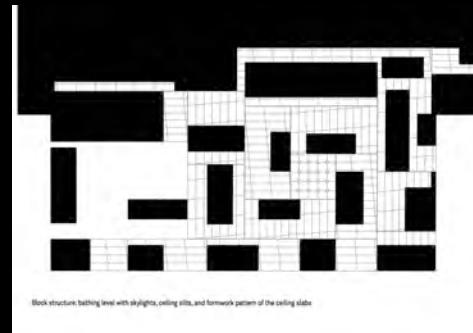
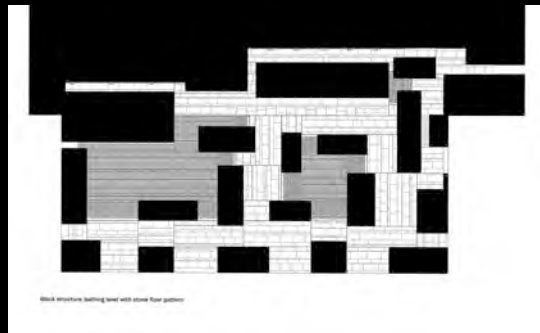
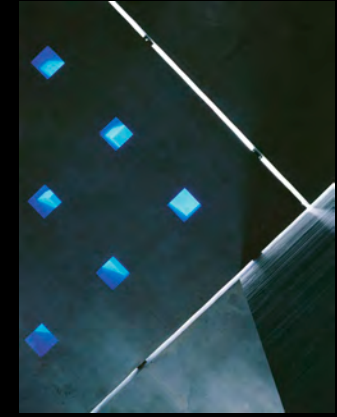


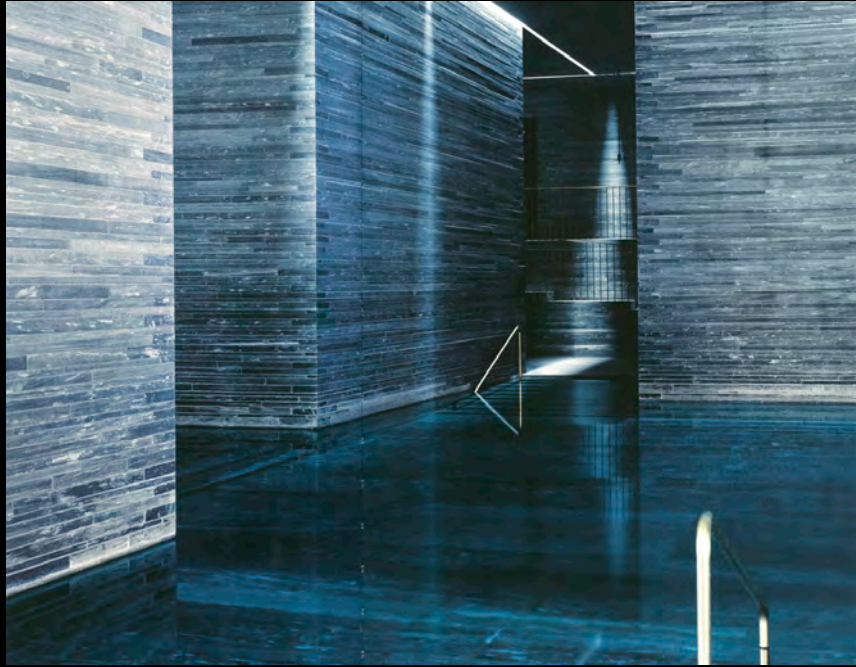


















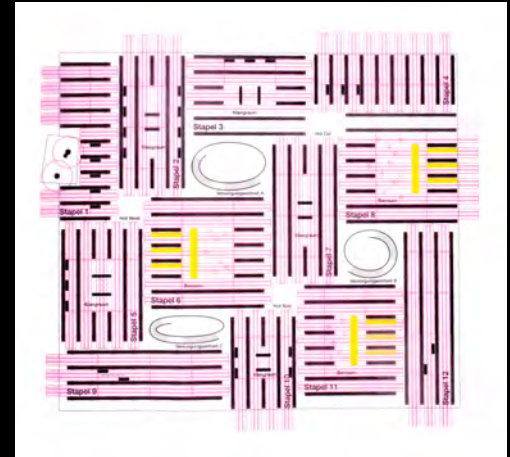
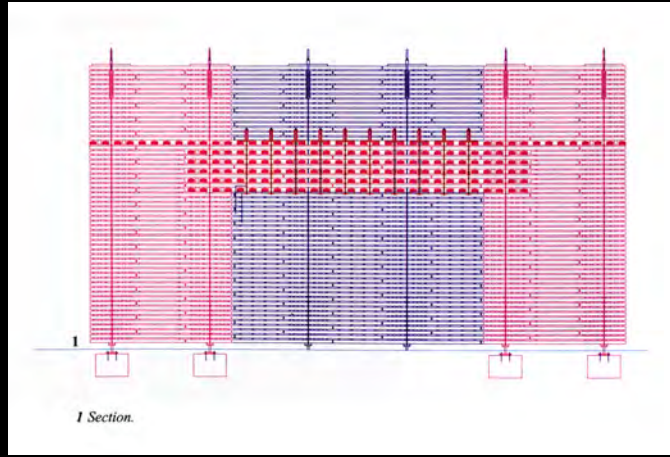


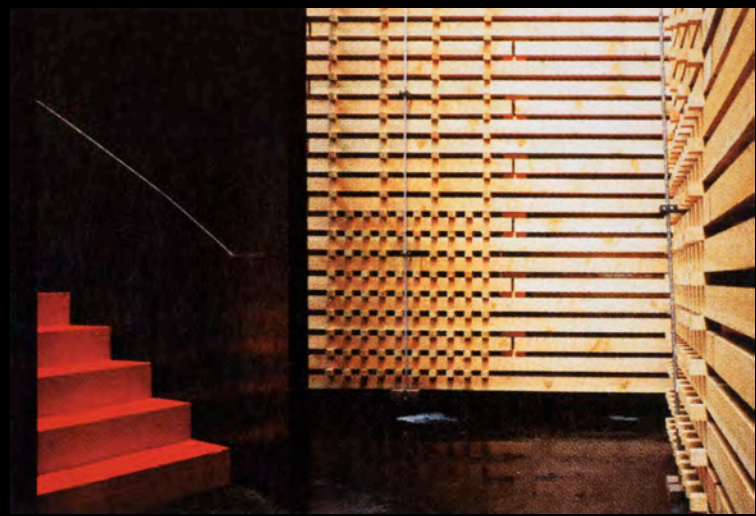
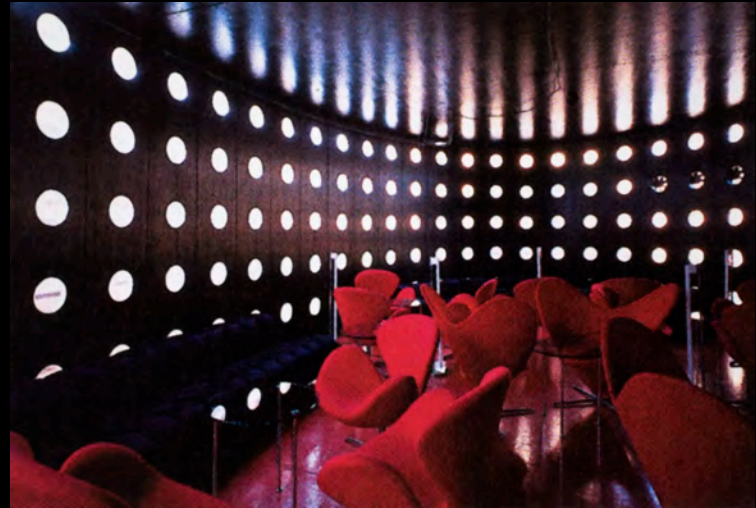
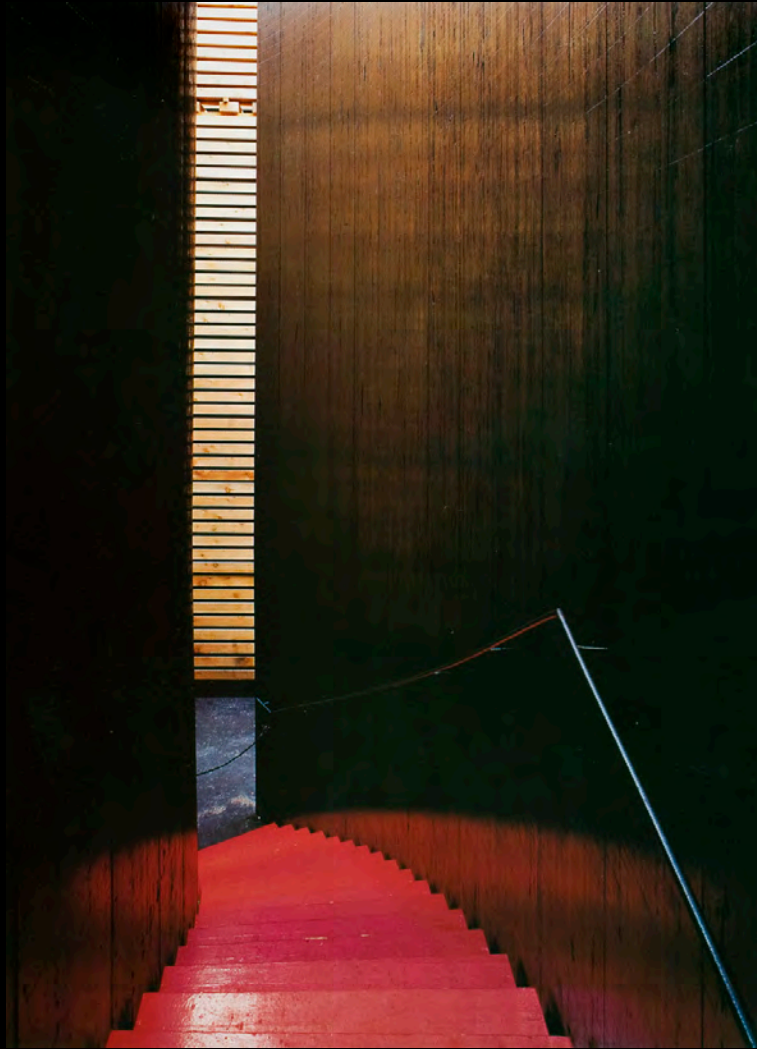
1997-2000 Swiss Pavilion, EXPO 2000, Germany



Swiss Pavilion, 2000 World's Fair, Hanover, Germany





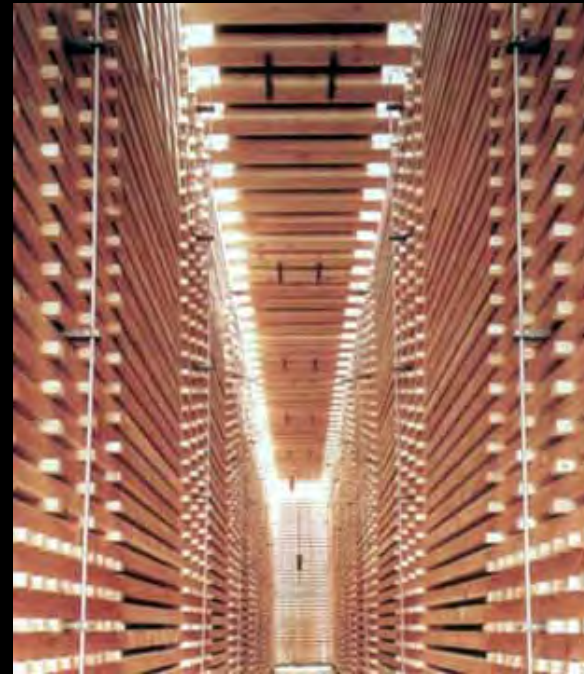






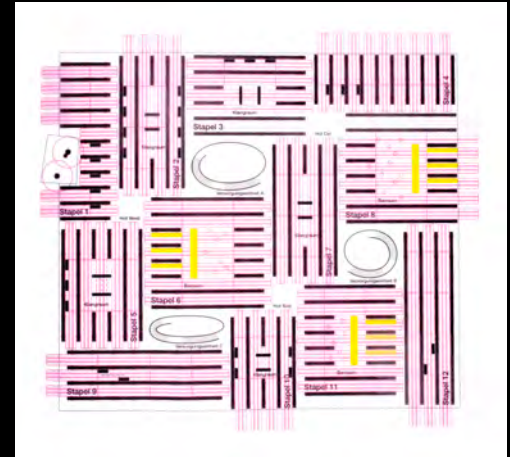
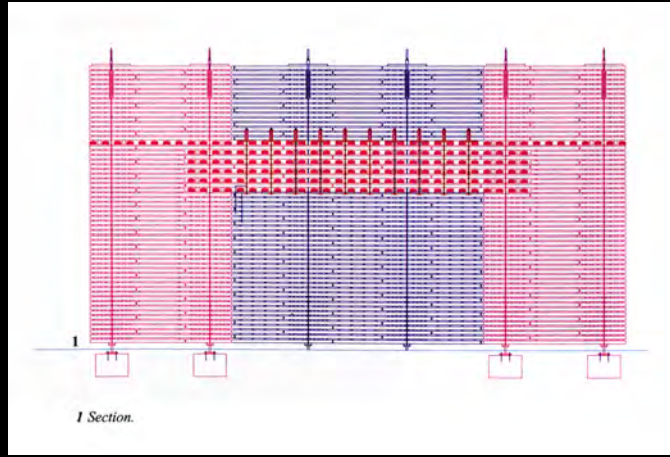


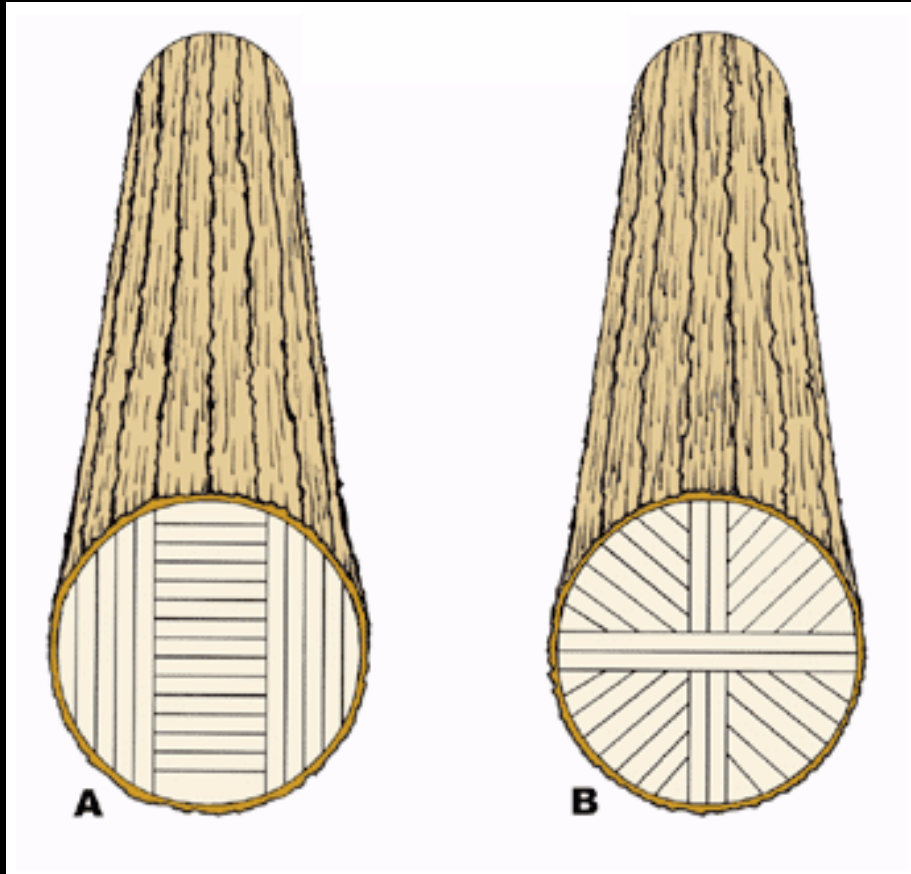
Peter Zumthor
Swiss Sound Box
wood
Expo 2000, Hanover





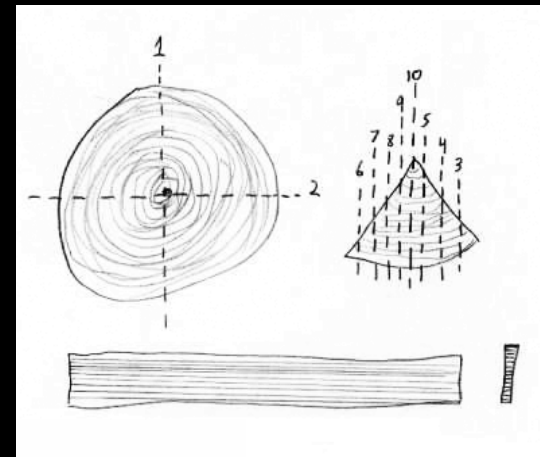
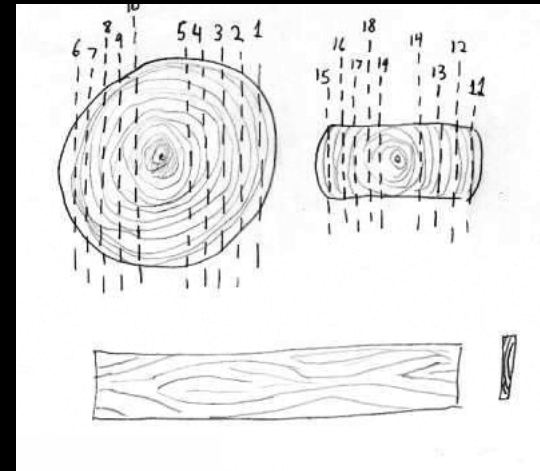
Swiss Pavilion, 2000 World's Fair, Hanover, Germany





A - plainsawn
quartersawn

B -





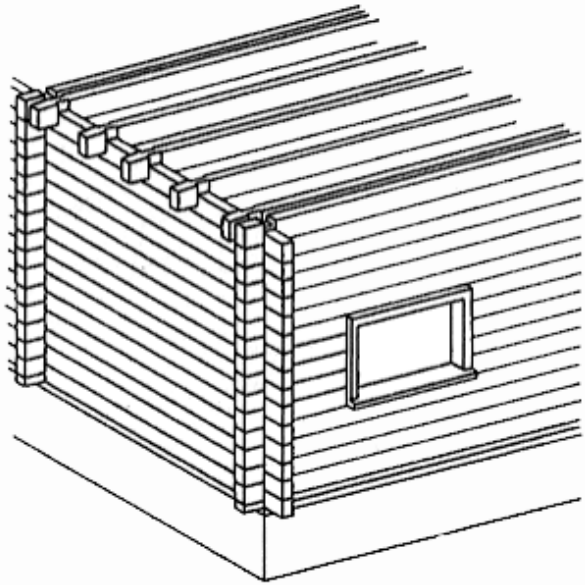
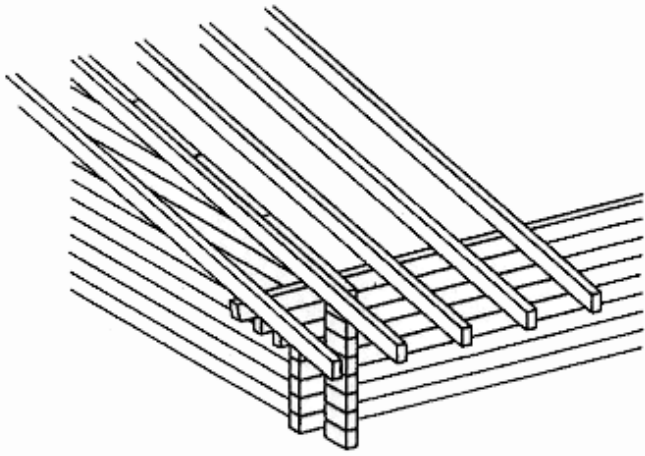
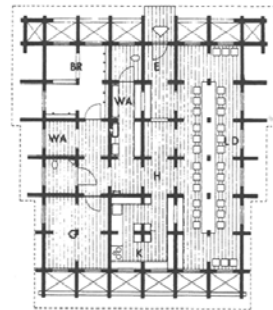
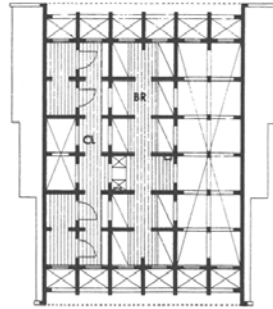
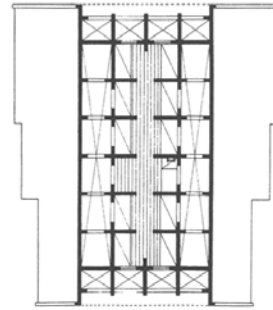


Fig. 43: Log construction





Swiss Pavilion, 2000 World's Fair, Hanover, Germany

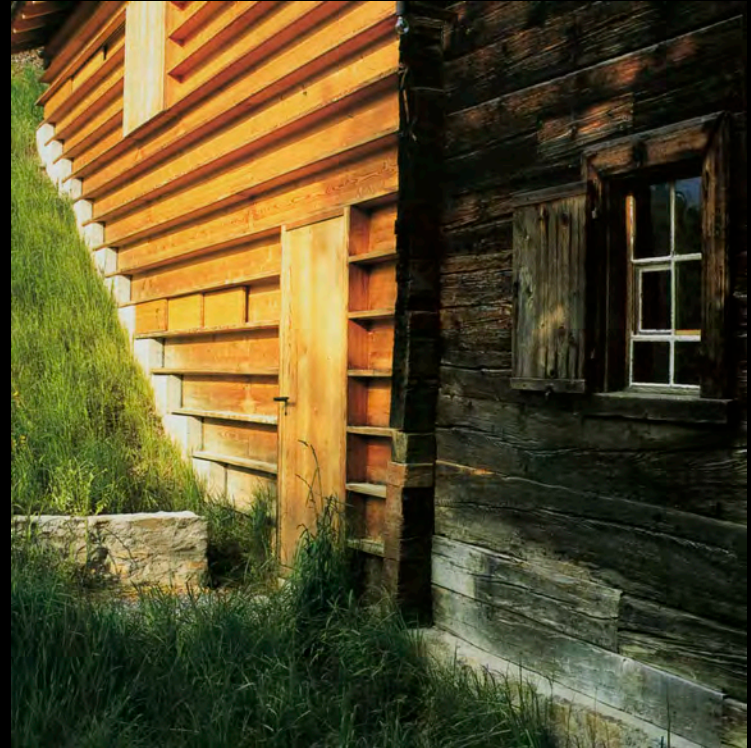


1994 Gugalun House, Switzerland.



Gugalun House, Versam Switzerland, 1990-94









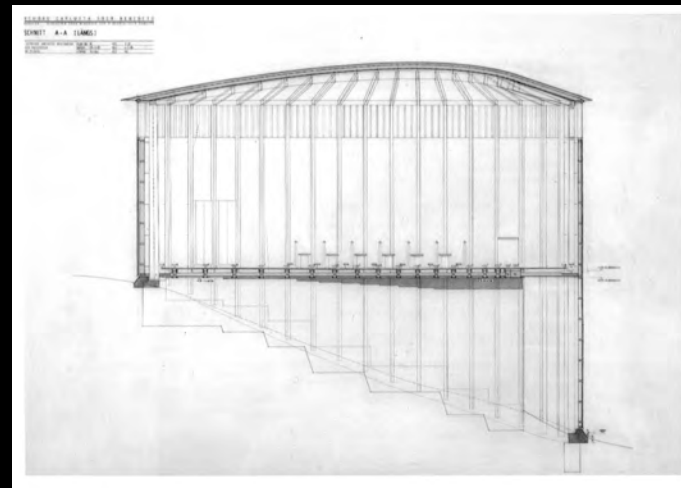
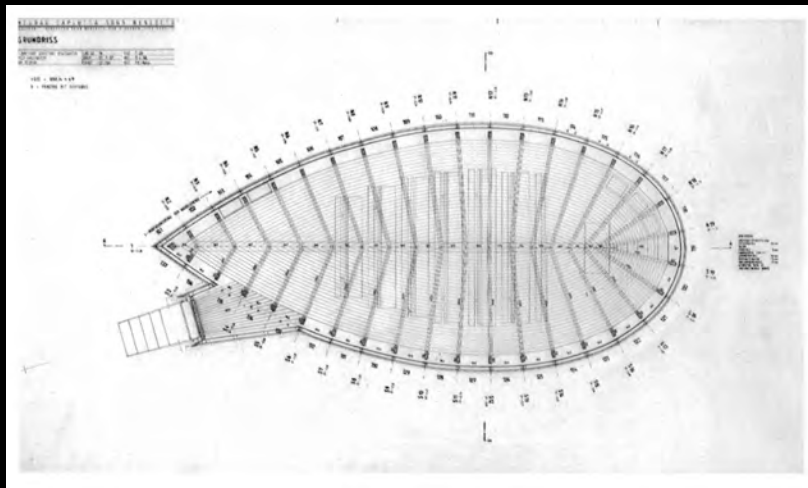


1989 Saint Benedict Chapel, Switzerland.





St. Benedict Chapel., Sumvitg, Switzerland, 1987-89

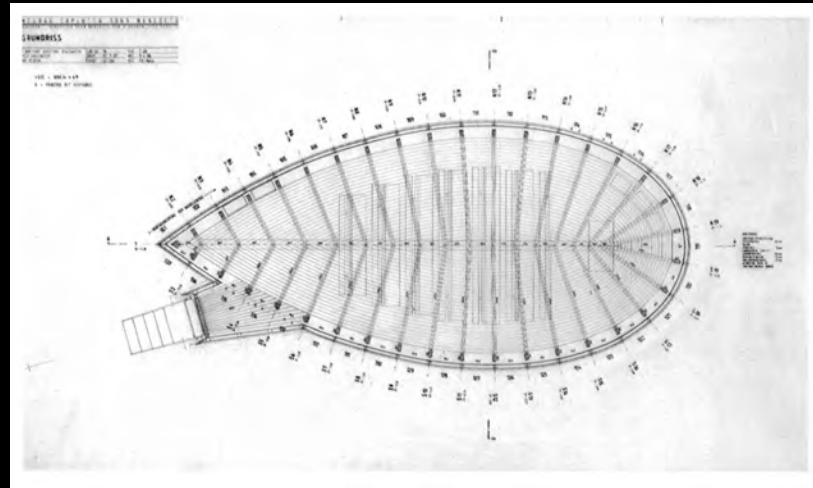
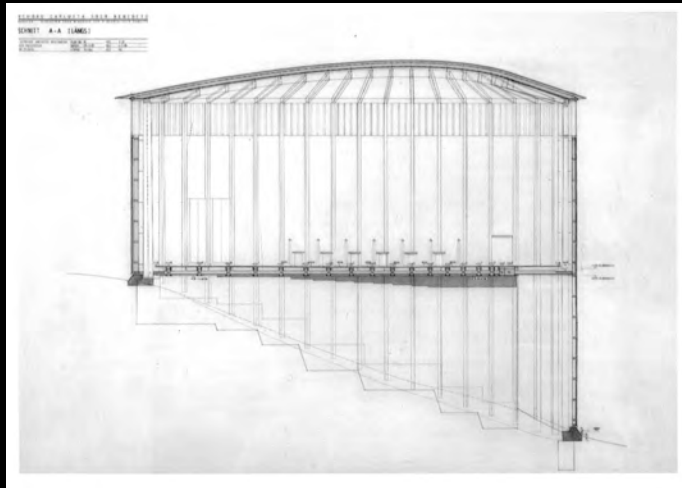




















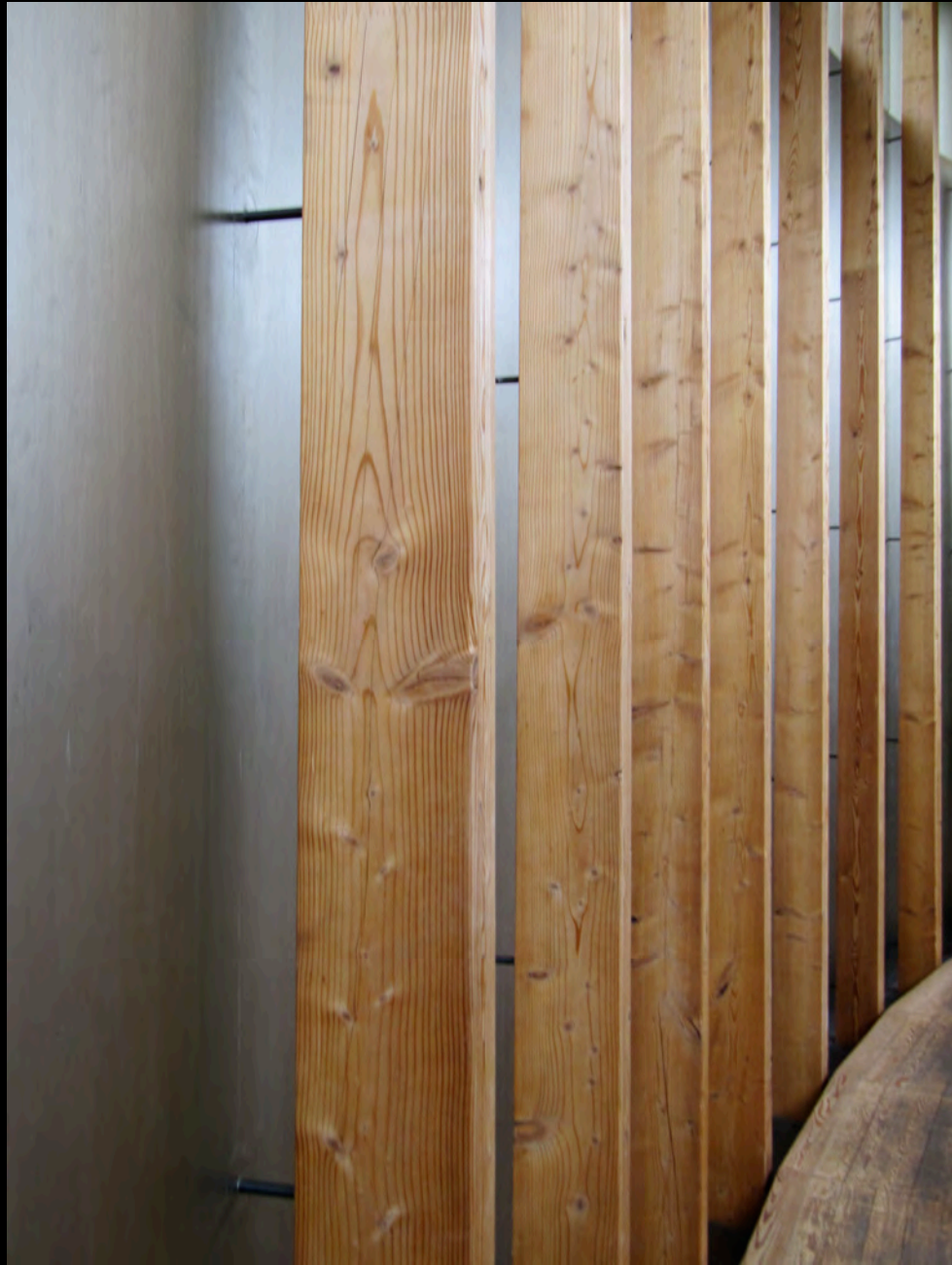










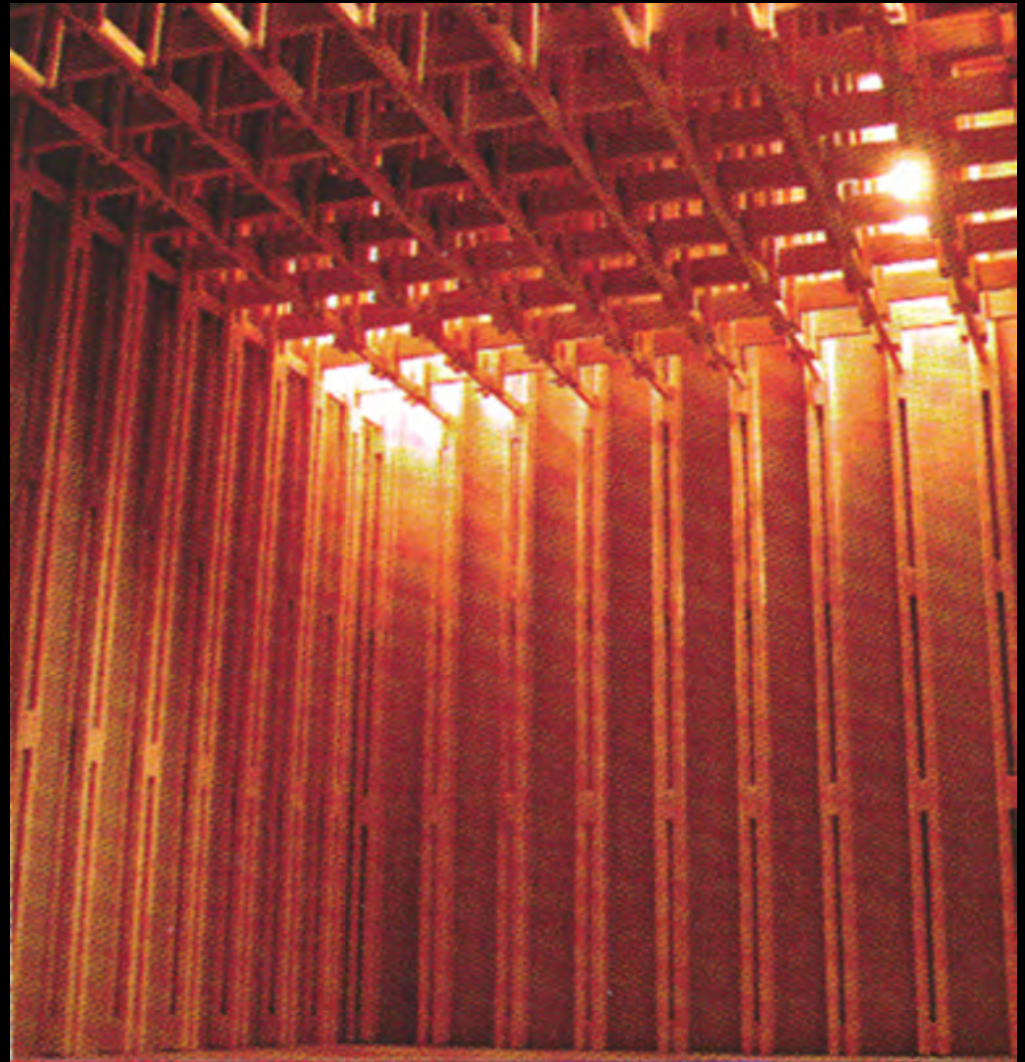
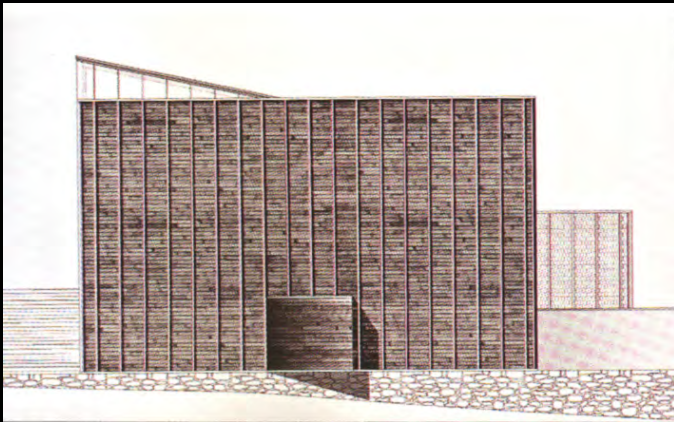




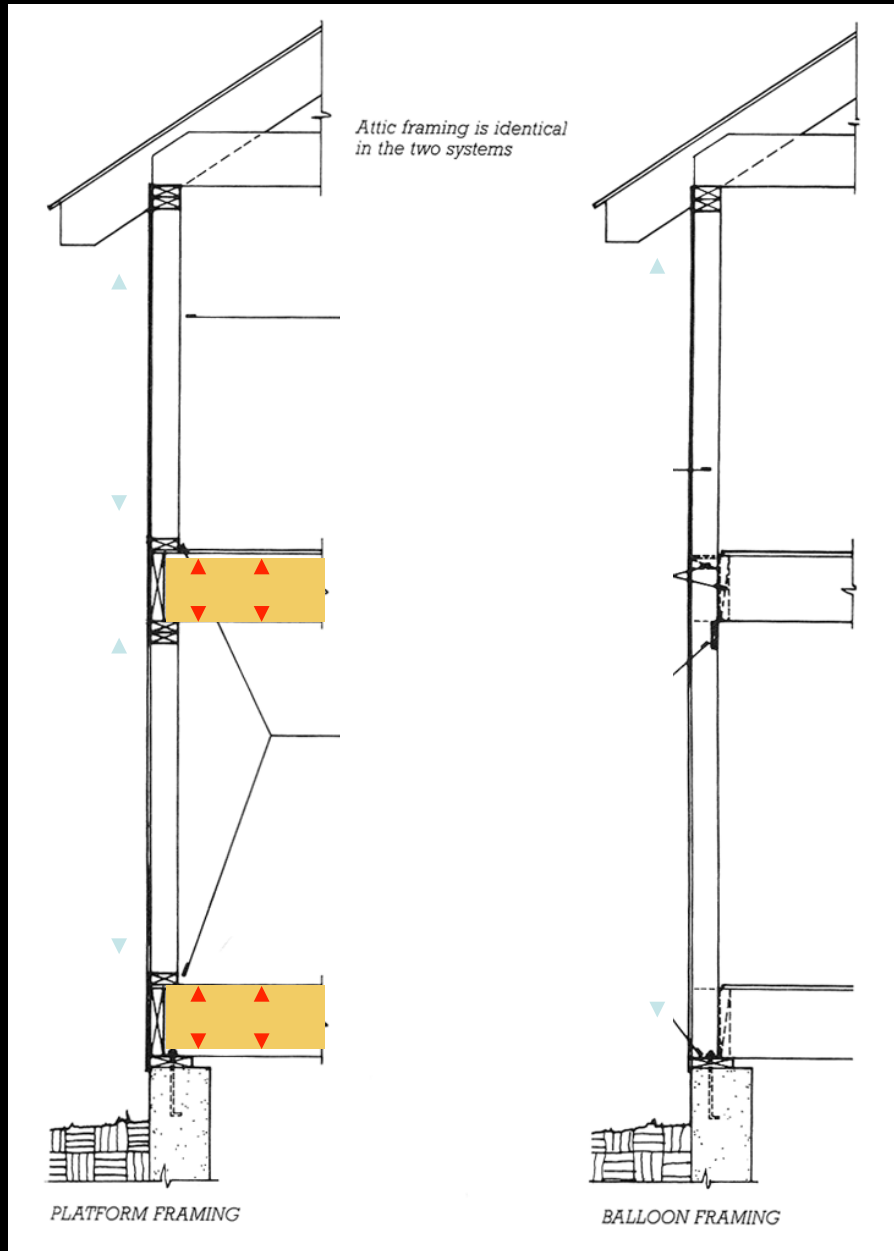




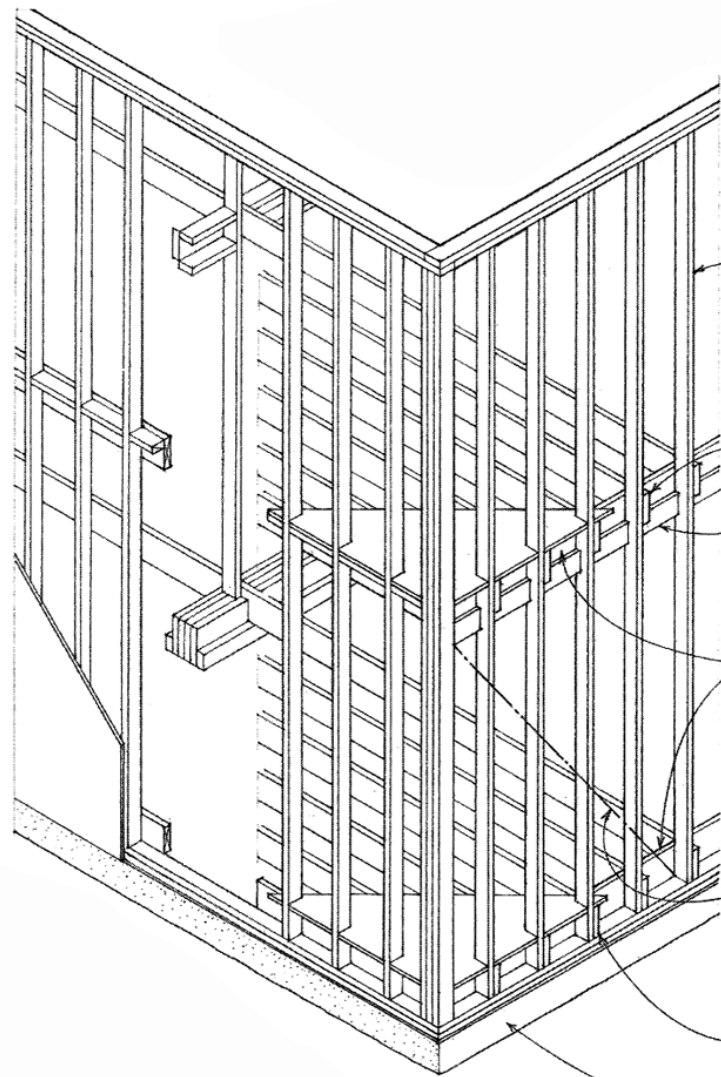
Viiki Center
JKMM Architects
Helsinki, Finland



Platform
Framing
(Western)



Balloon
Framing



2x studs spaced 16" or 24" (405 or 610) o.c. and rising the full height of the wall from the sill plate to the roof plate

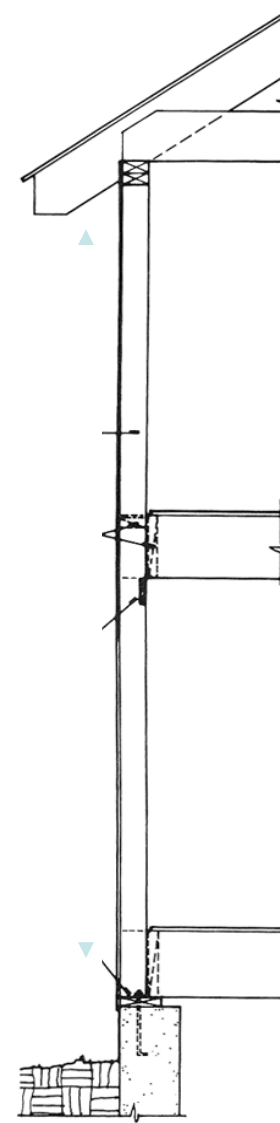
Second floor joists lap the continuous wall studs. 1x4 ribbon let into studs provides additional support for joists.

Concealed spaces in wall framing require 2x firestops to prevent drafts between stories and between a top story and the roof.

Lateral bracing required; see 5.46.

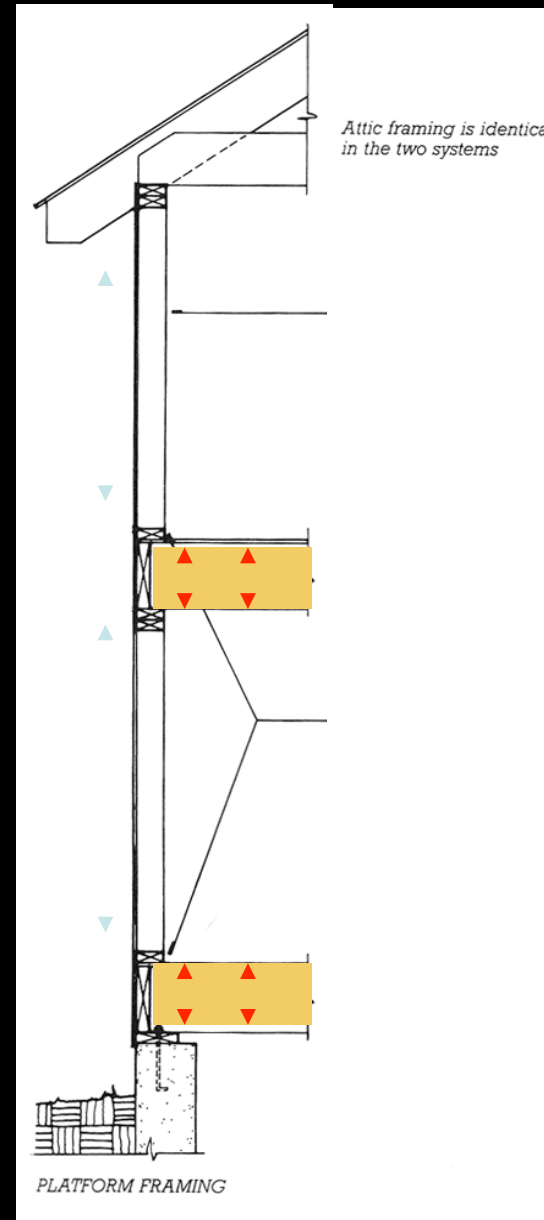
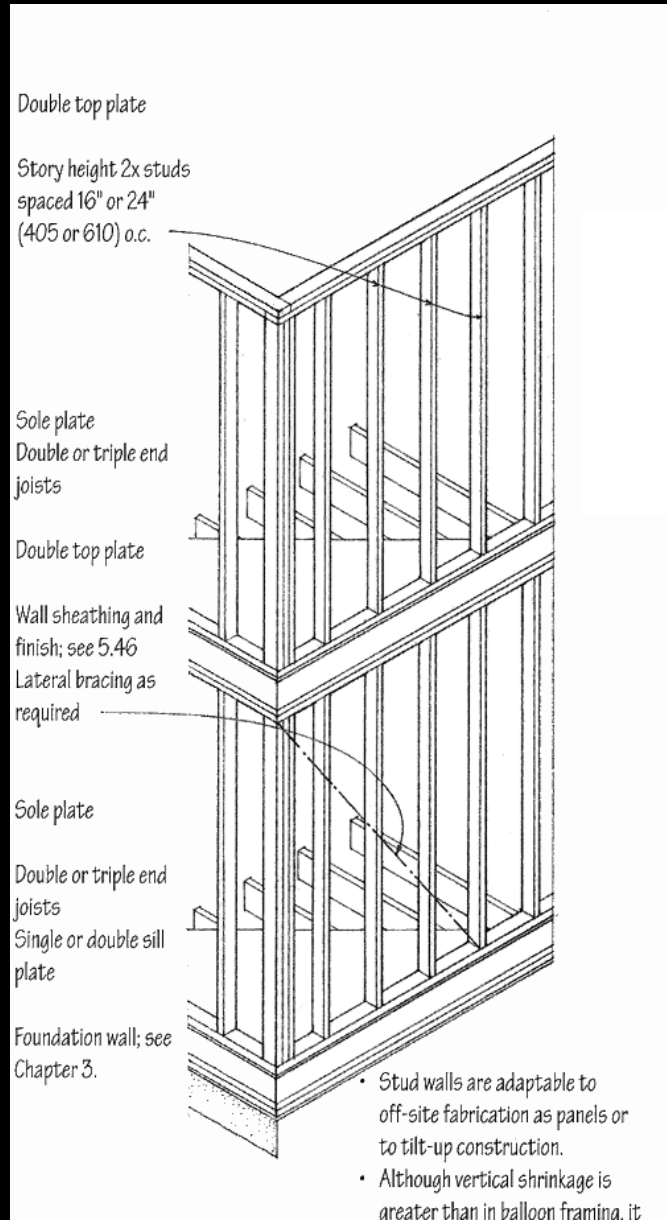
First floor joists bear on a foundation sill plate.

Foundation wall; see Chapter 3

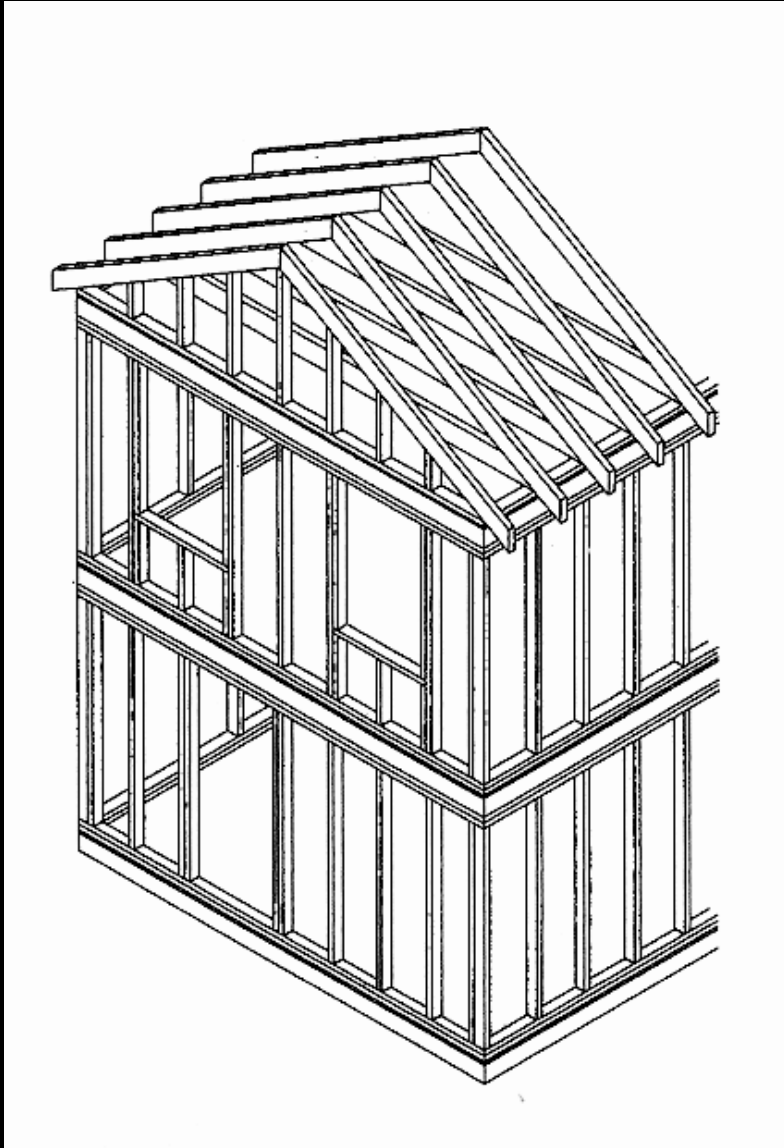


BALLOON FRAMING

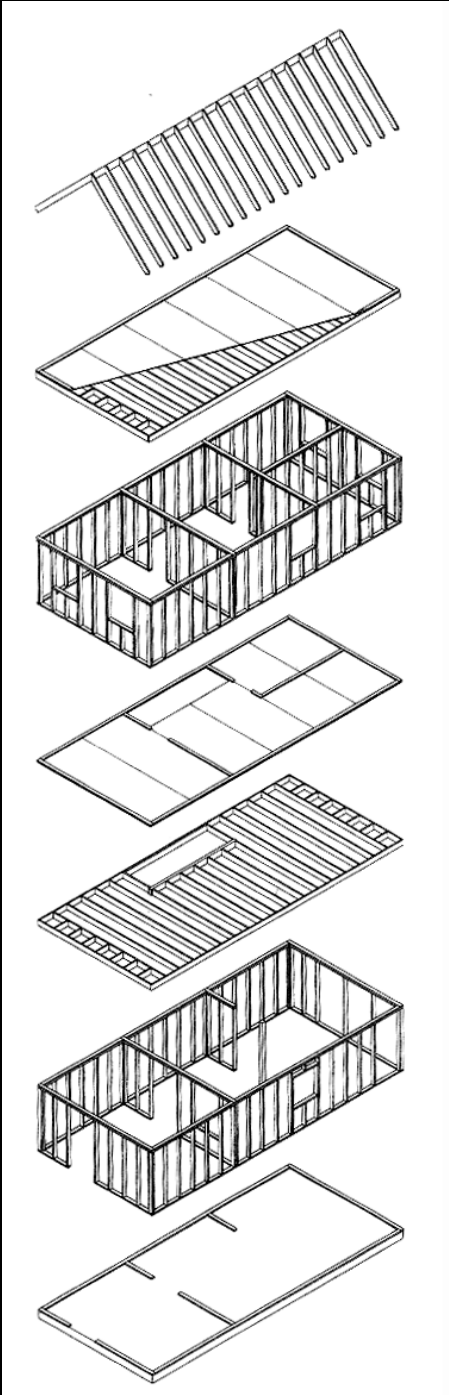
Balloon Framing

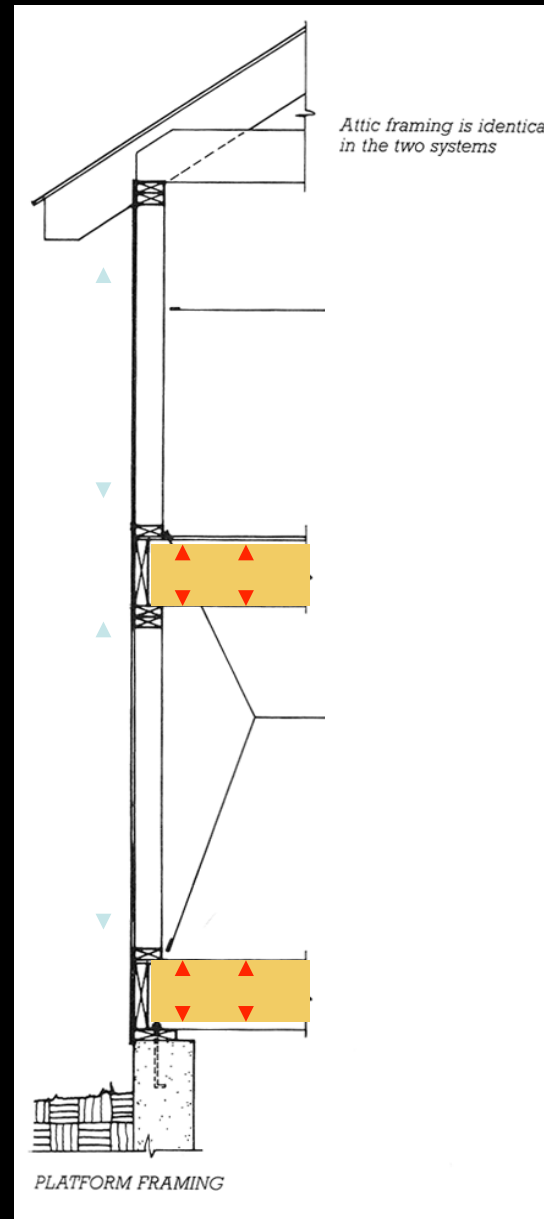
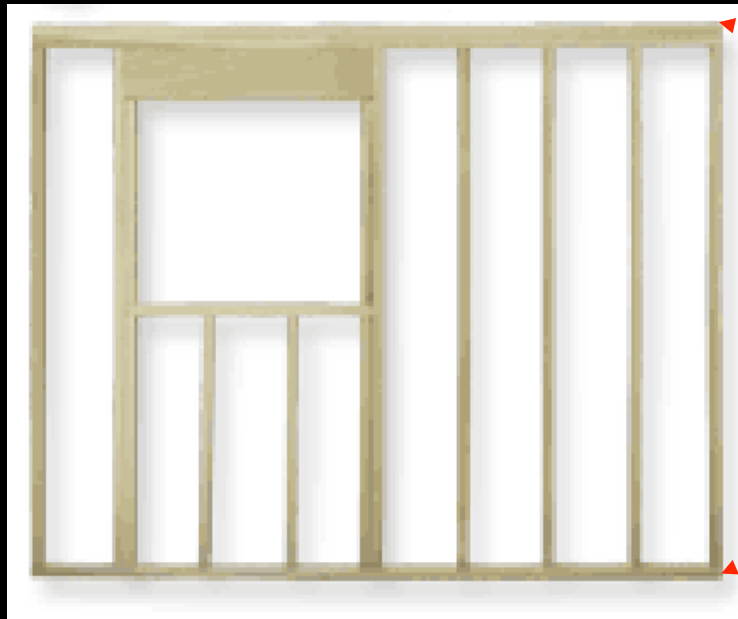


Platform Framing (Western)



Platform Framing (Western)



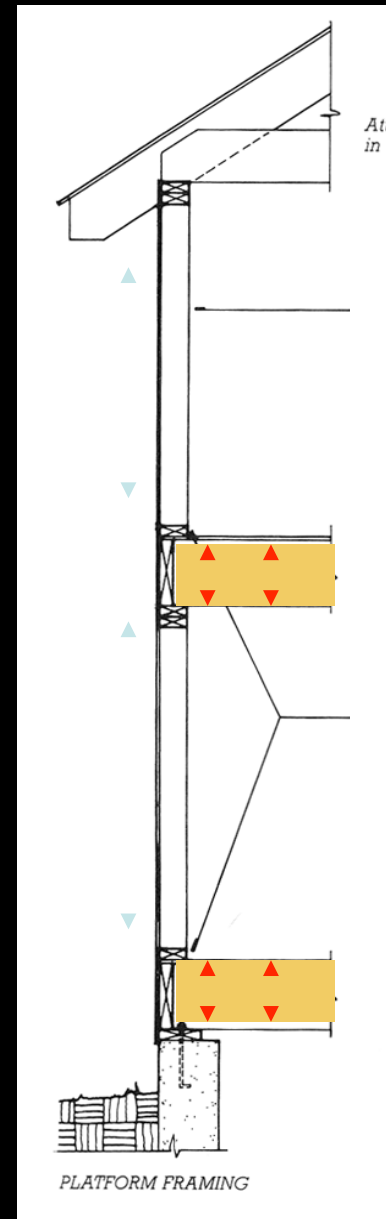


Platform Framing (Western)



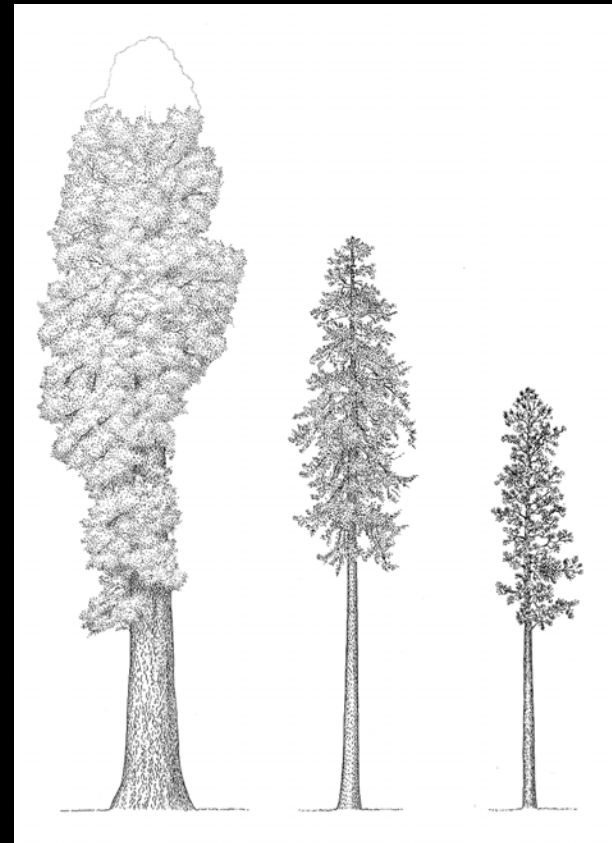
Bearing Wall

Headers/ Lintels



Structural Materials: Timber

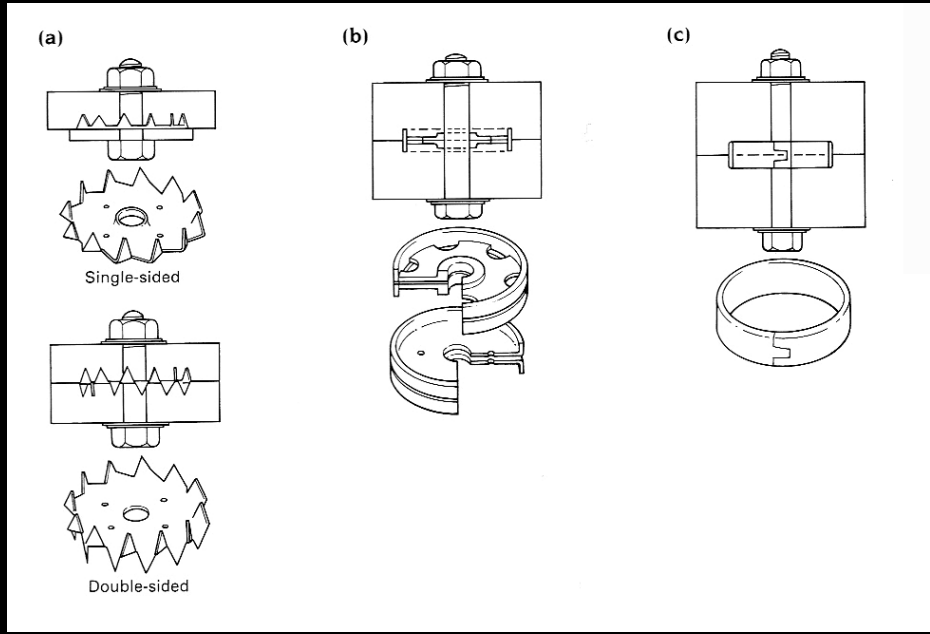
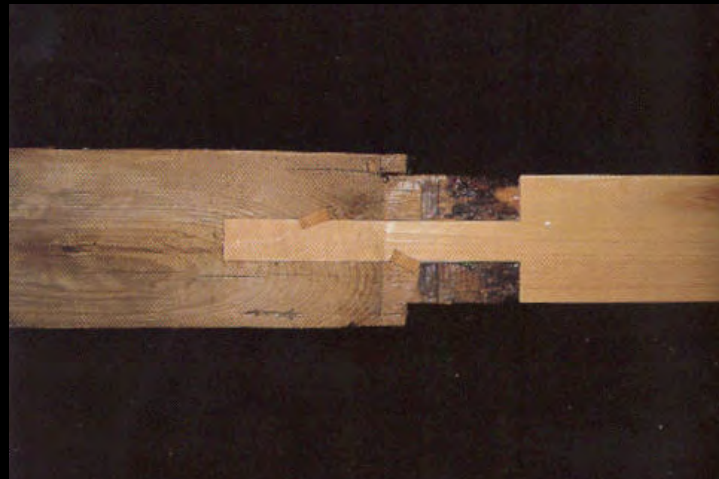
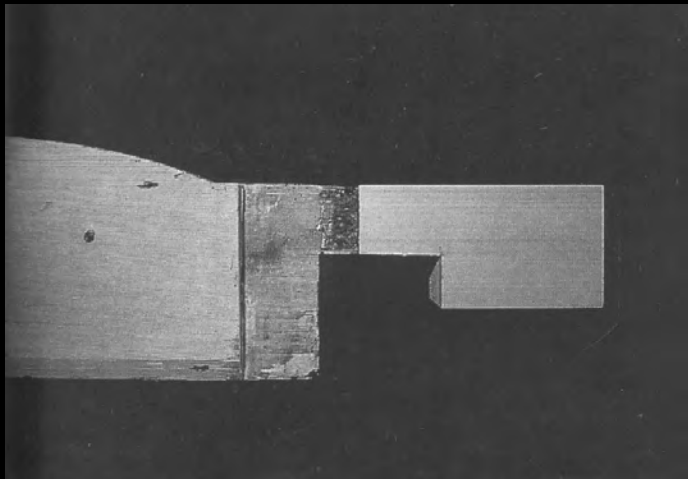
- Relatively low strength
- Compressive and tensile strength greatest parallel to grain/ weakest perpendicular to grain
- Relatively low density (cellular)
- Anisotropic behavior/ dimensionally unstable



Structural Materials: Timber

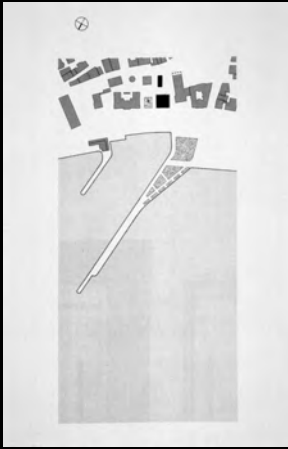
- Height of structure usually three or less floors
- Difficult to attain good joints (typically a discontinuous structural frame)
- Spans are relatively small
 - ~5-6 meters for floors
 - ~20 meters for truss







1997 Art Museum, Bregenz, Austria



Art Museum, Lake Constance, Bregenz, Austria, 1990-97





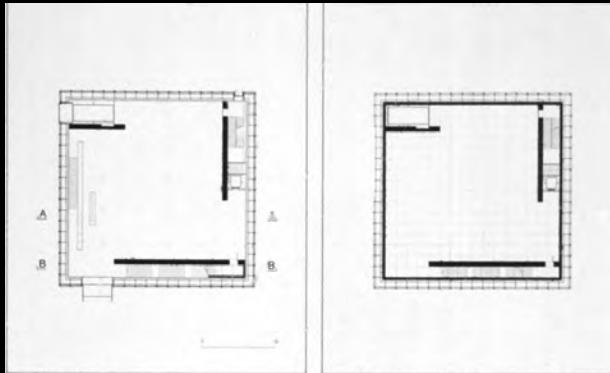
1997 Art Museum Bregenz,
Bregenz, Vorarlberg, Austria
Peter Zumthor





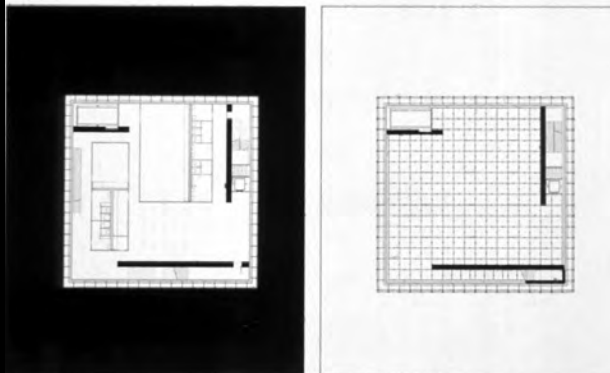






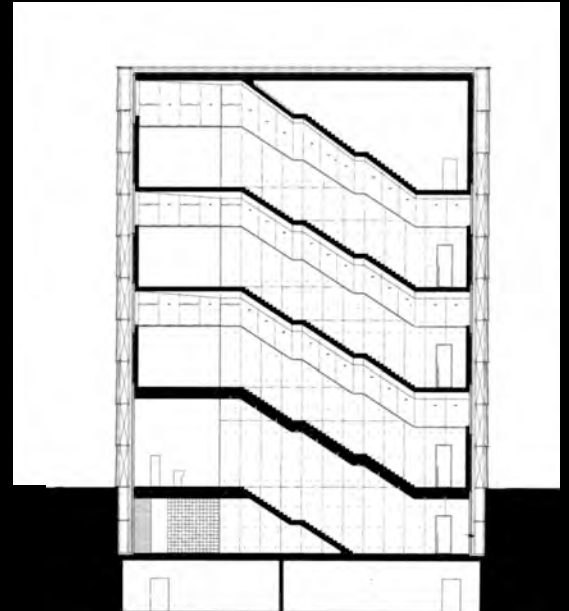
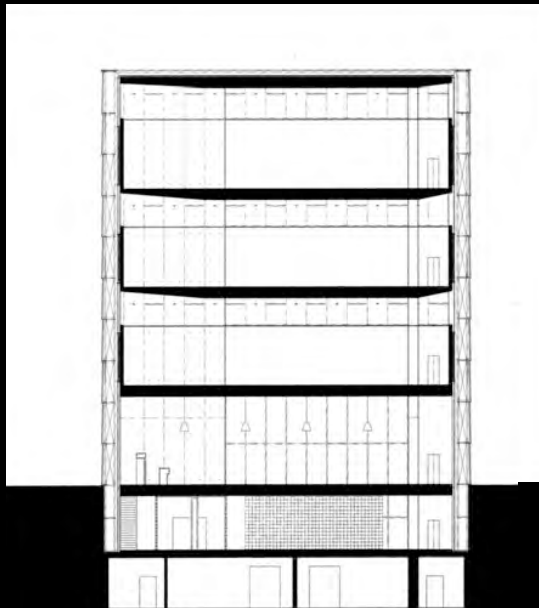
Ground floor plan: 1:5000.

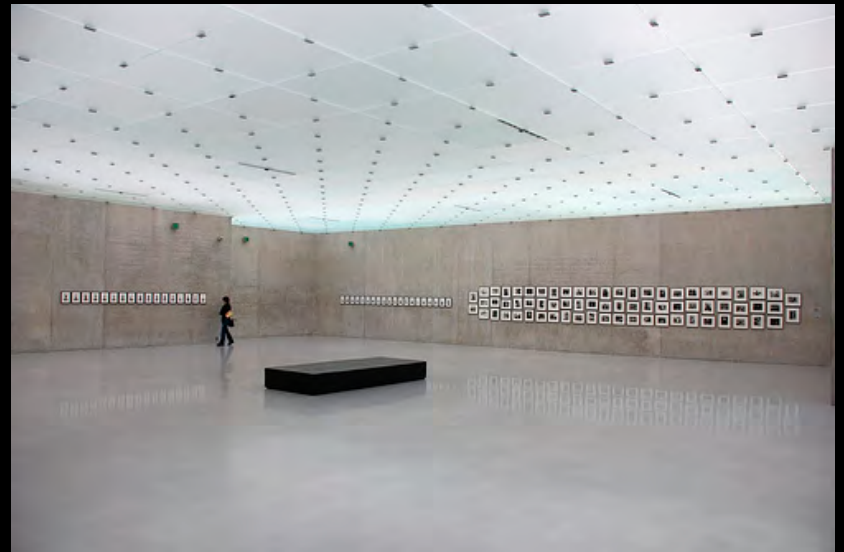
Typical floor plan: 1:5000.



Basement floor plan: 1:5000.

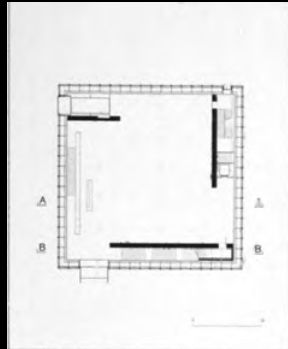
Glass ceiling plan, upper floor: 1:5000.



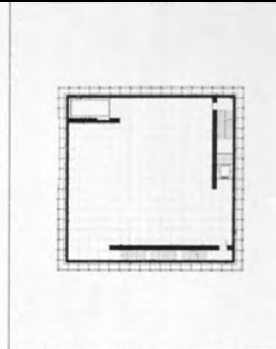




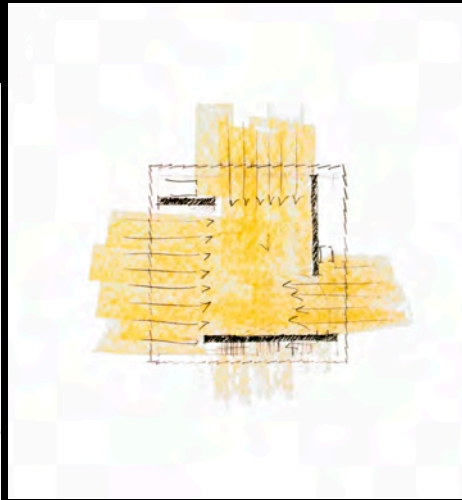
Light has been refracted three times
(glass facade, insulating glasswork, illuminated ceilings)



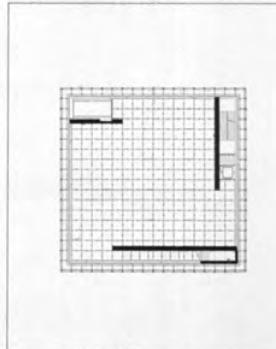
Ground floor plan. 1:50000.



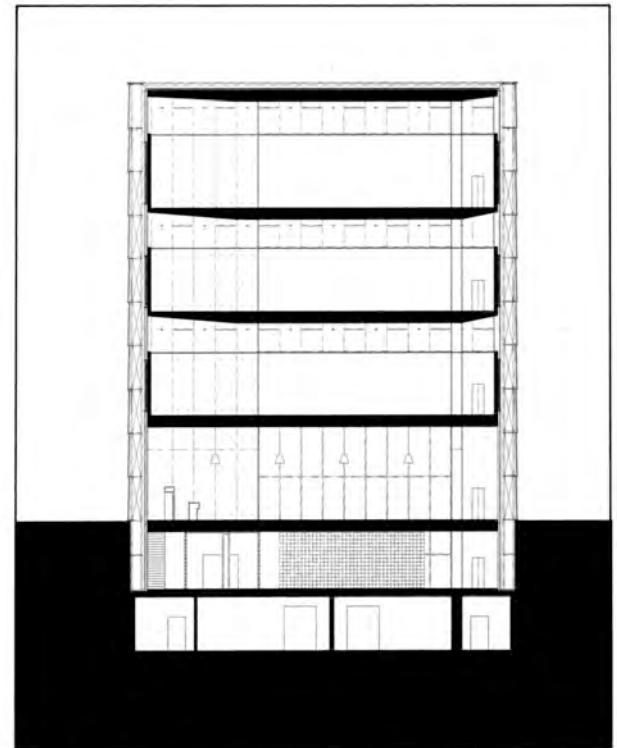
Typical floor plan. 1:50000.



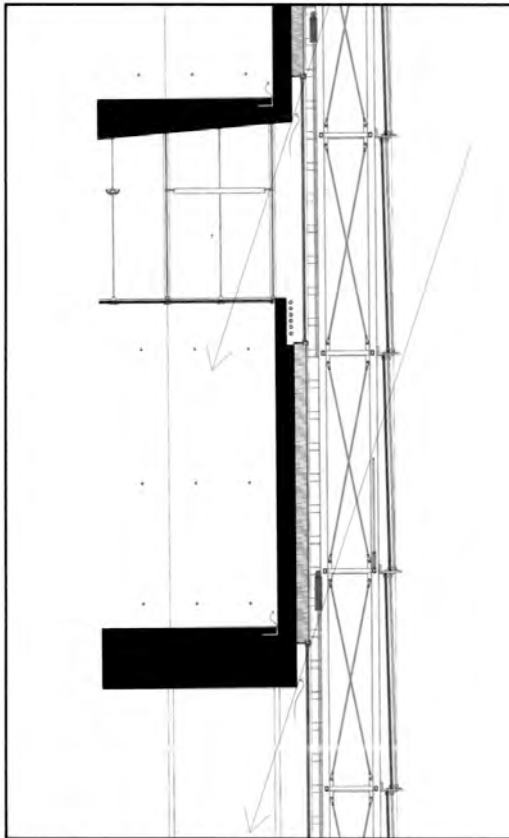
Basement floor plan. 1:50000.



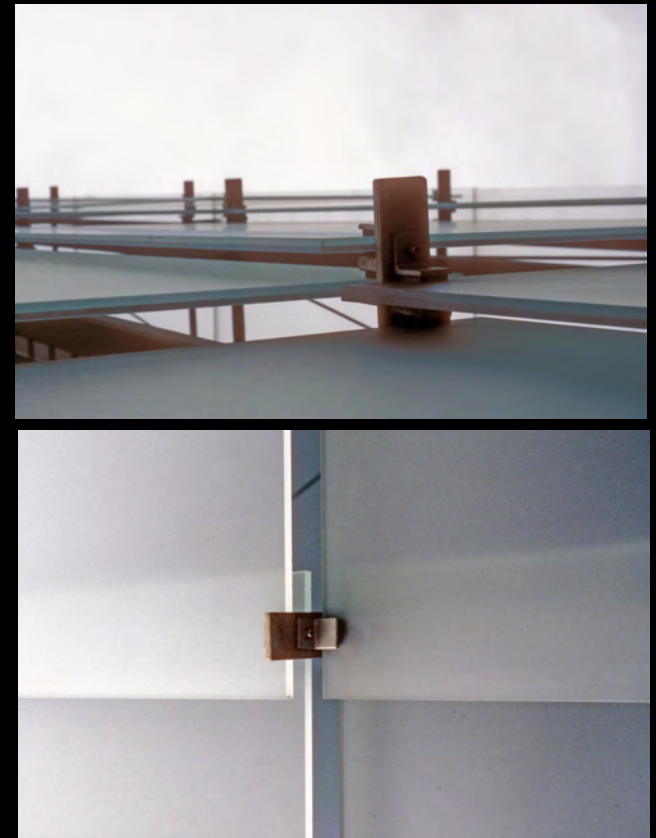
Glass ceiling plan, upper floor. 1:50000.



Section A. 断面图A。

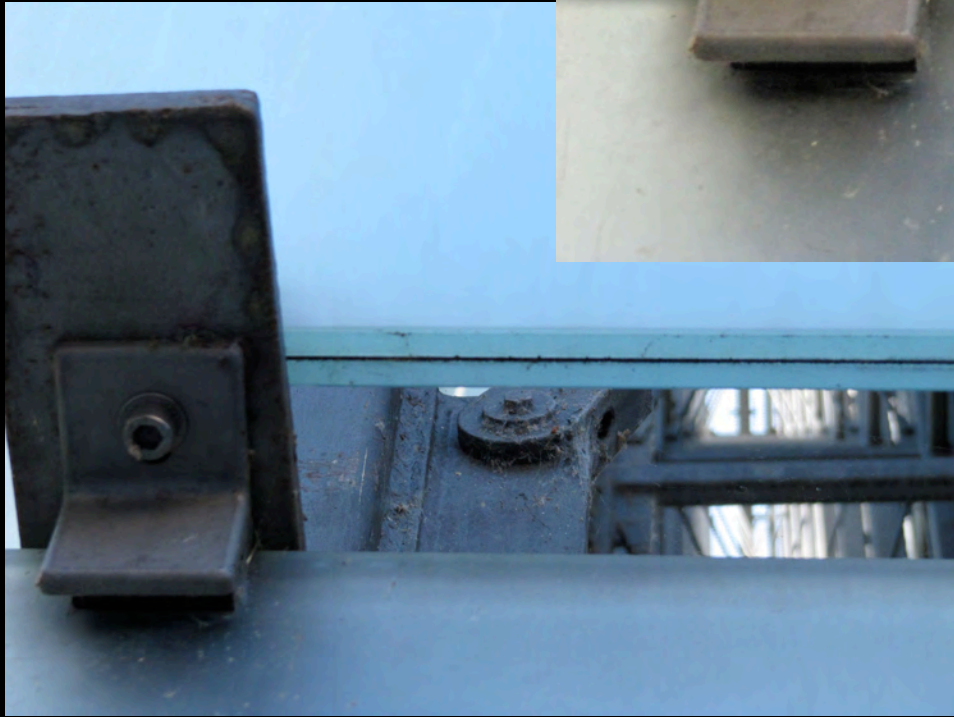
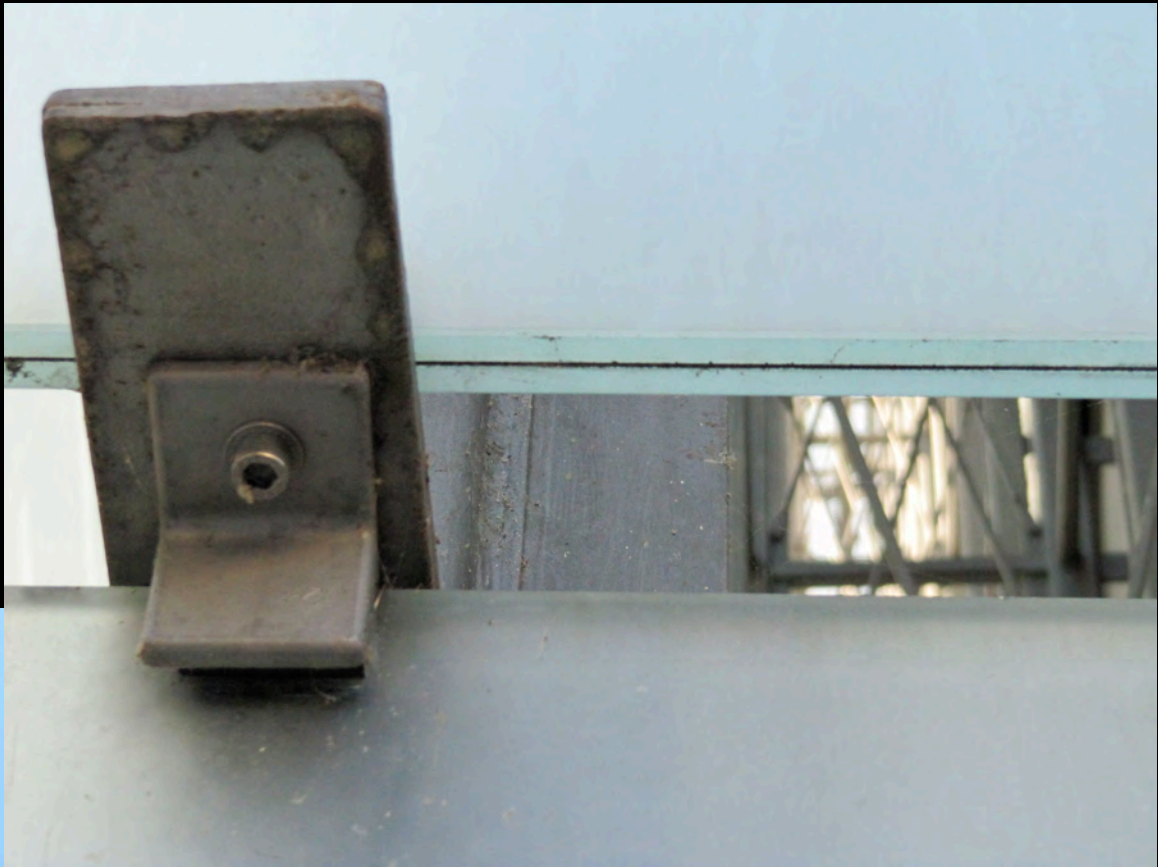


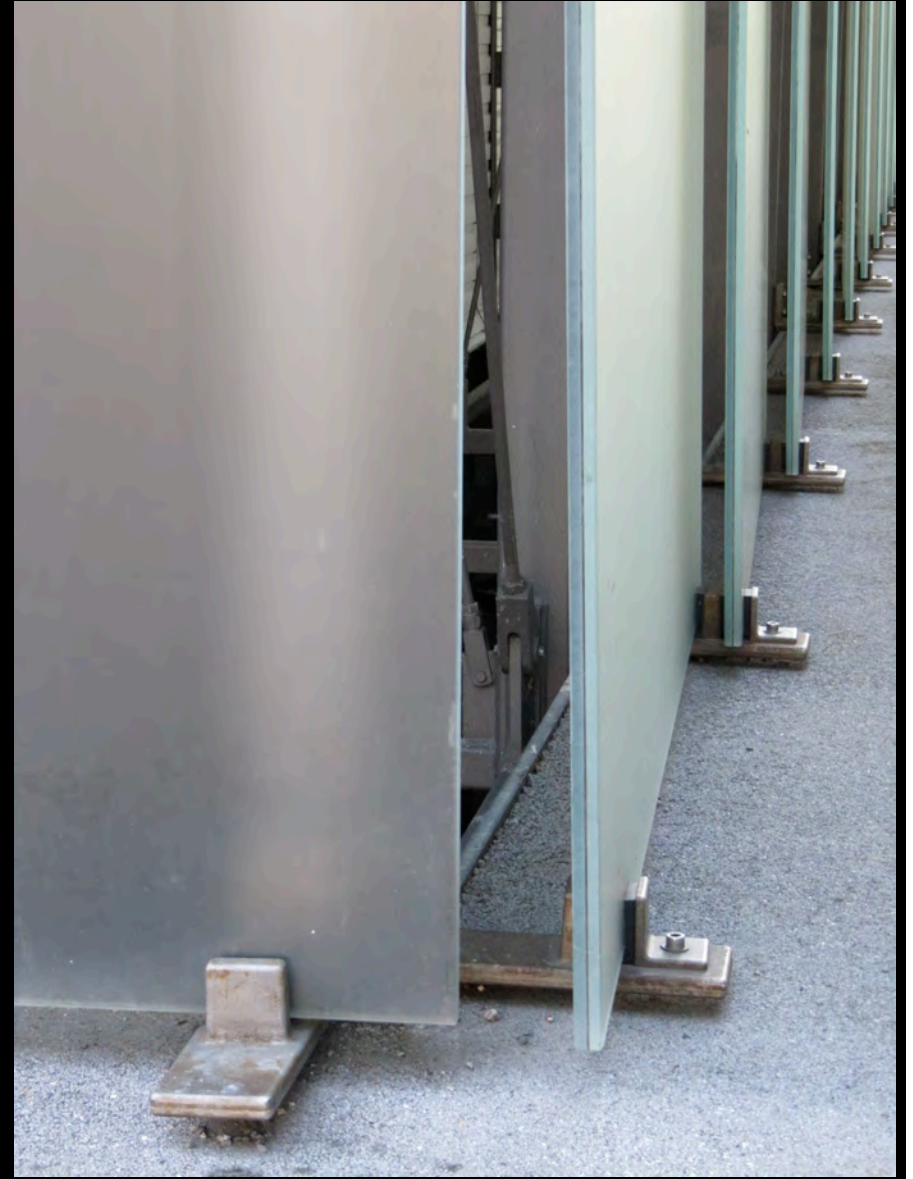
Detail, section of facade. 外壁部断面詳細図。







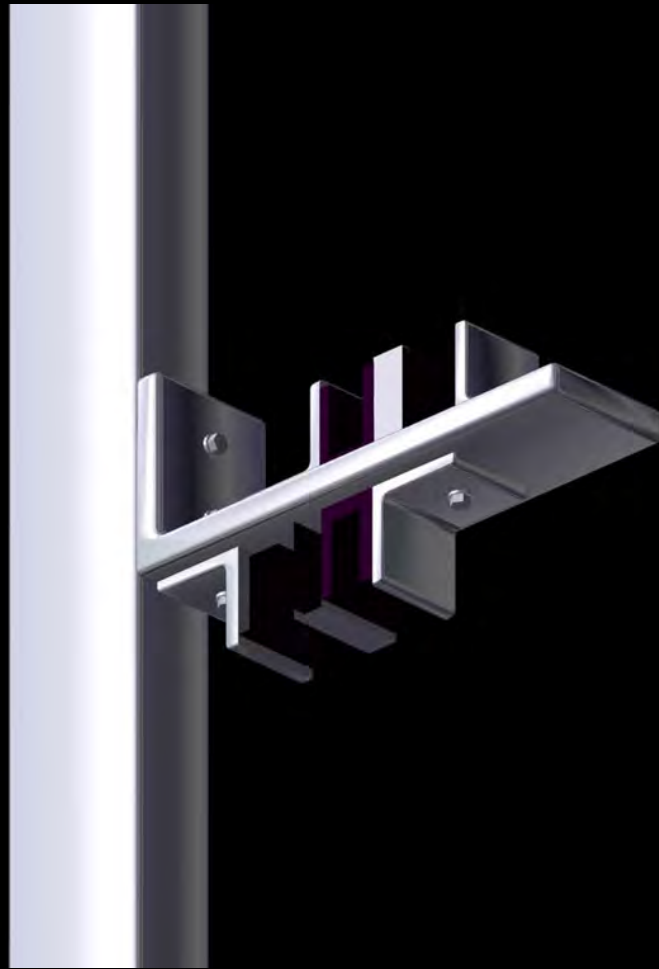




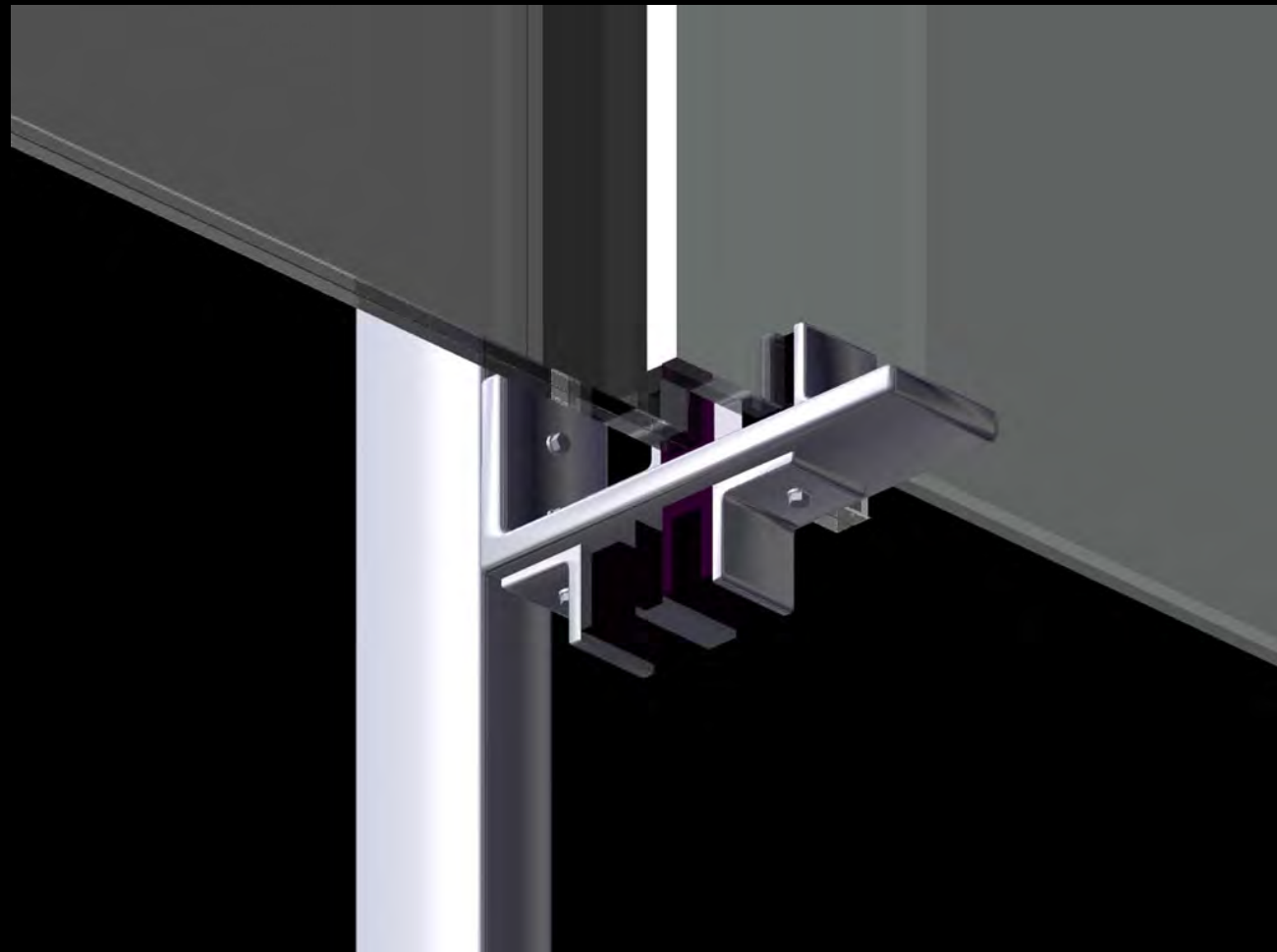




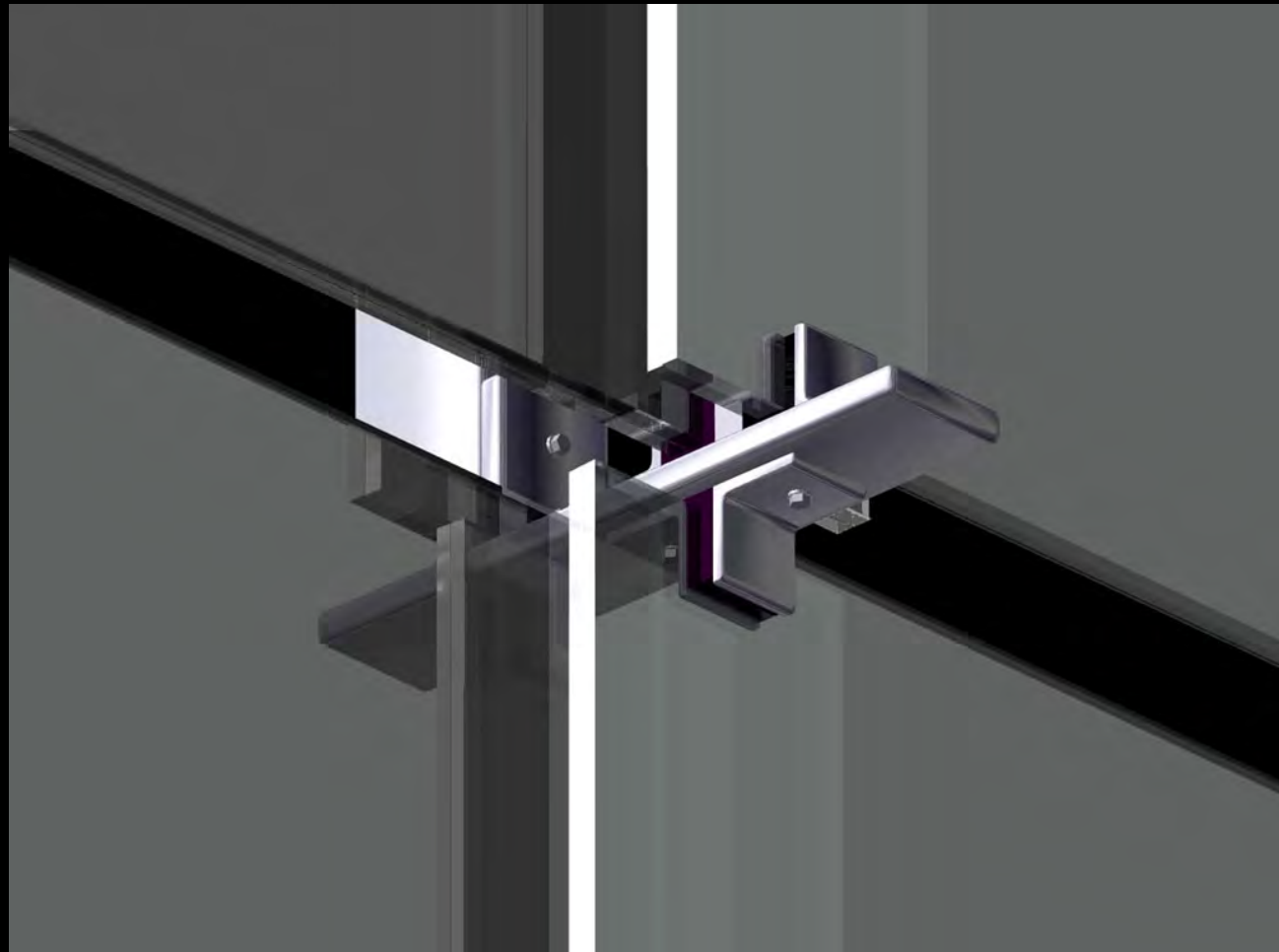
KunsthauB BregenB, Peter Zumthor



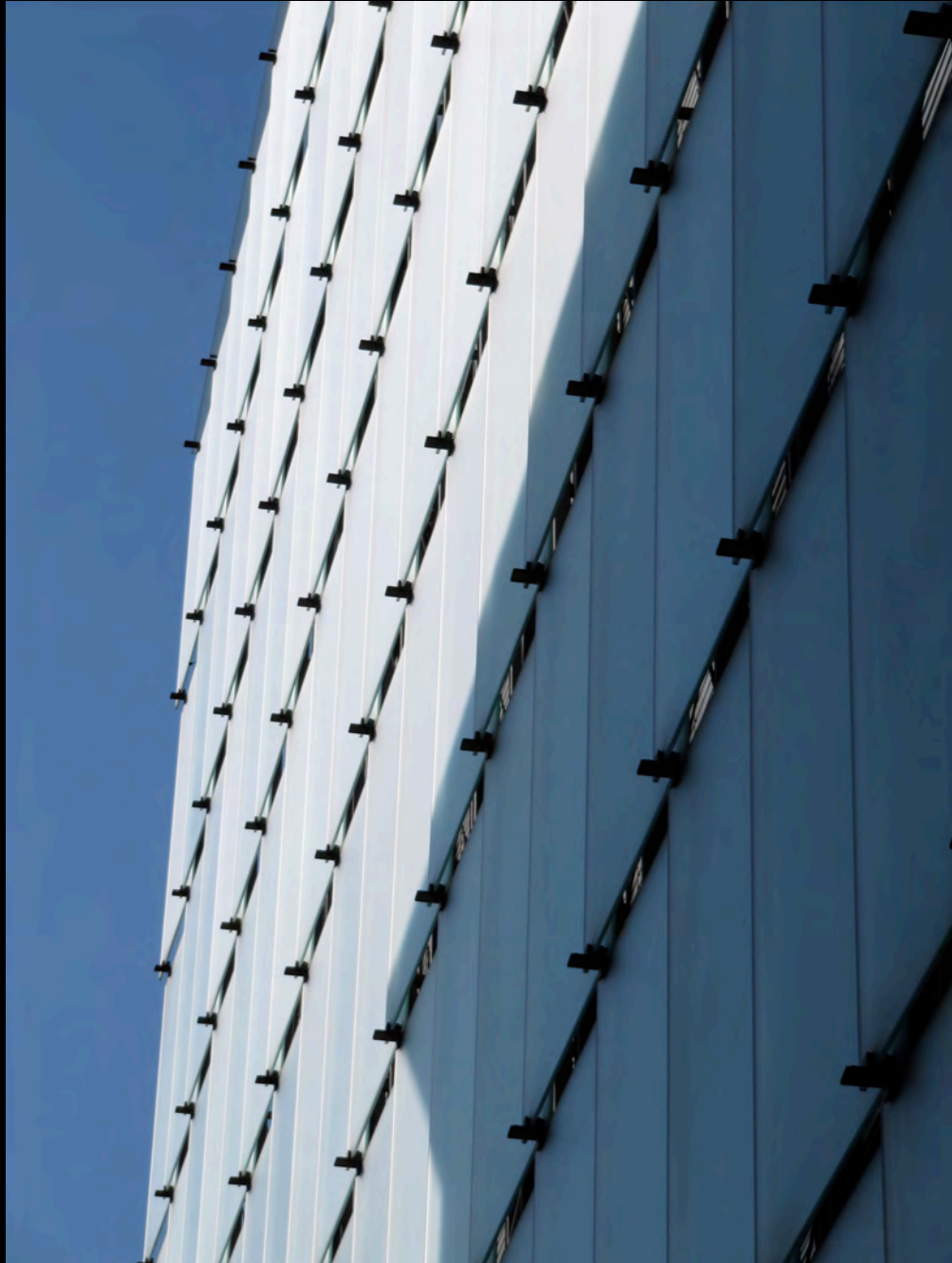
KunsthauB Bregenz, Peter Zumthor



Kunsthaus Bregenz, Peter Zumthor



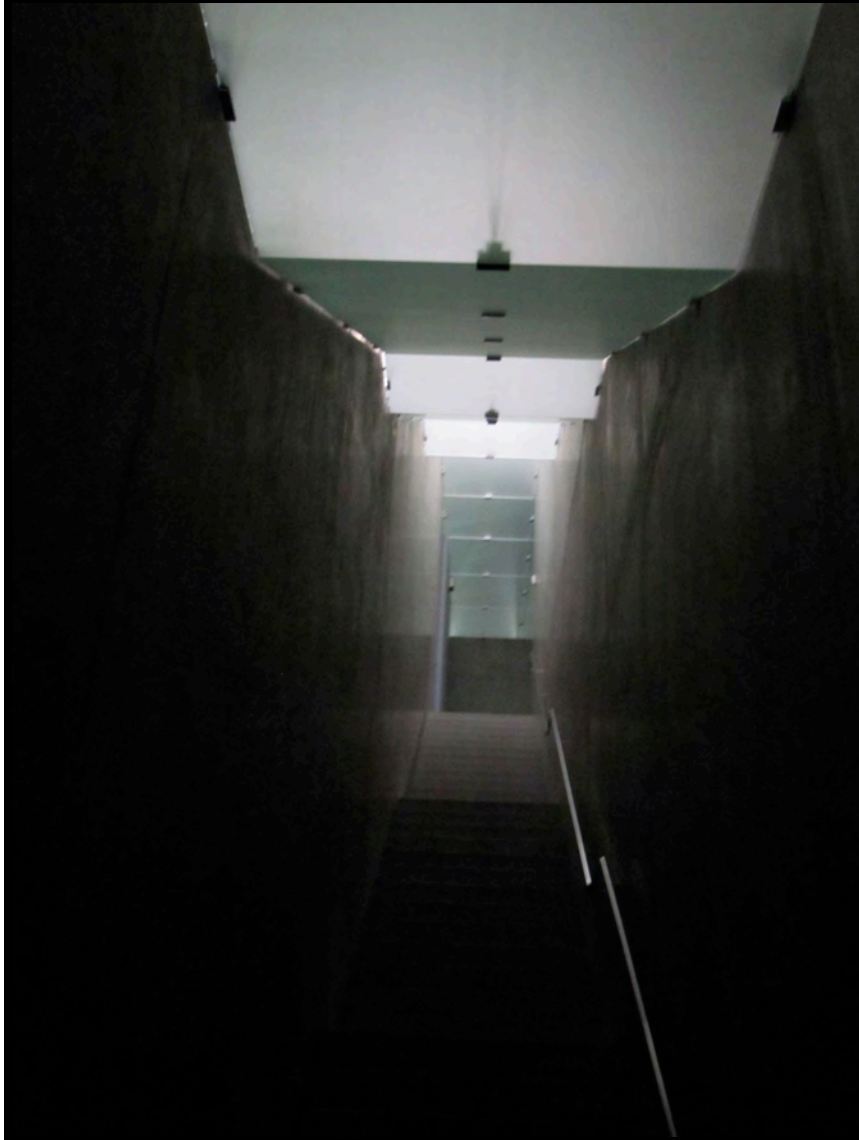
Kunsthau Bregenz, Peter Zumthor





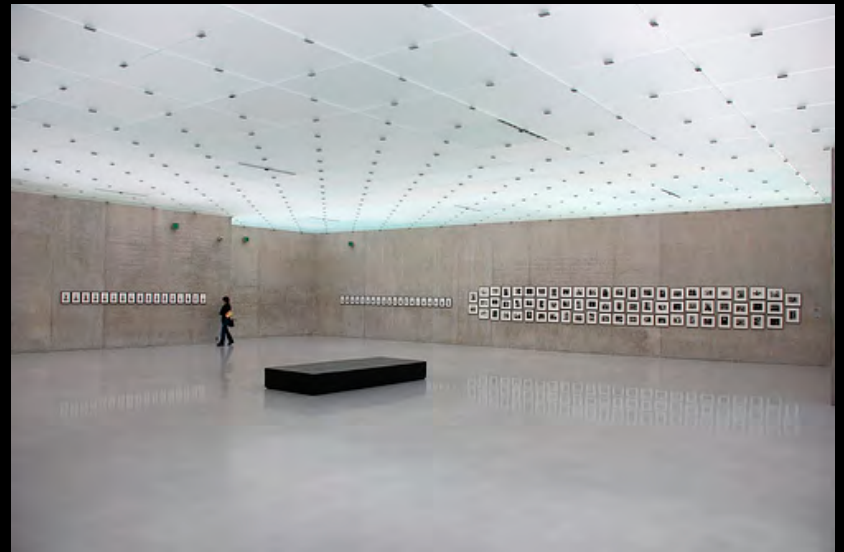


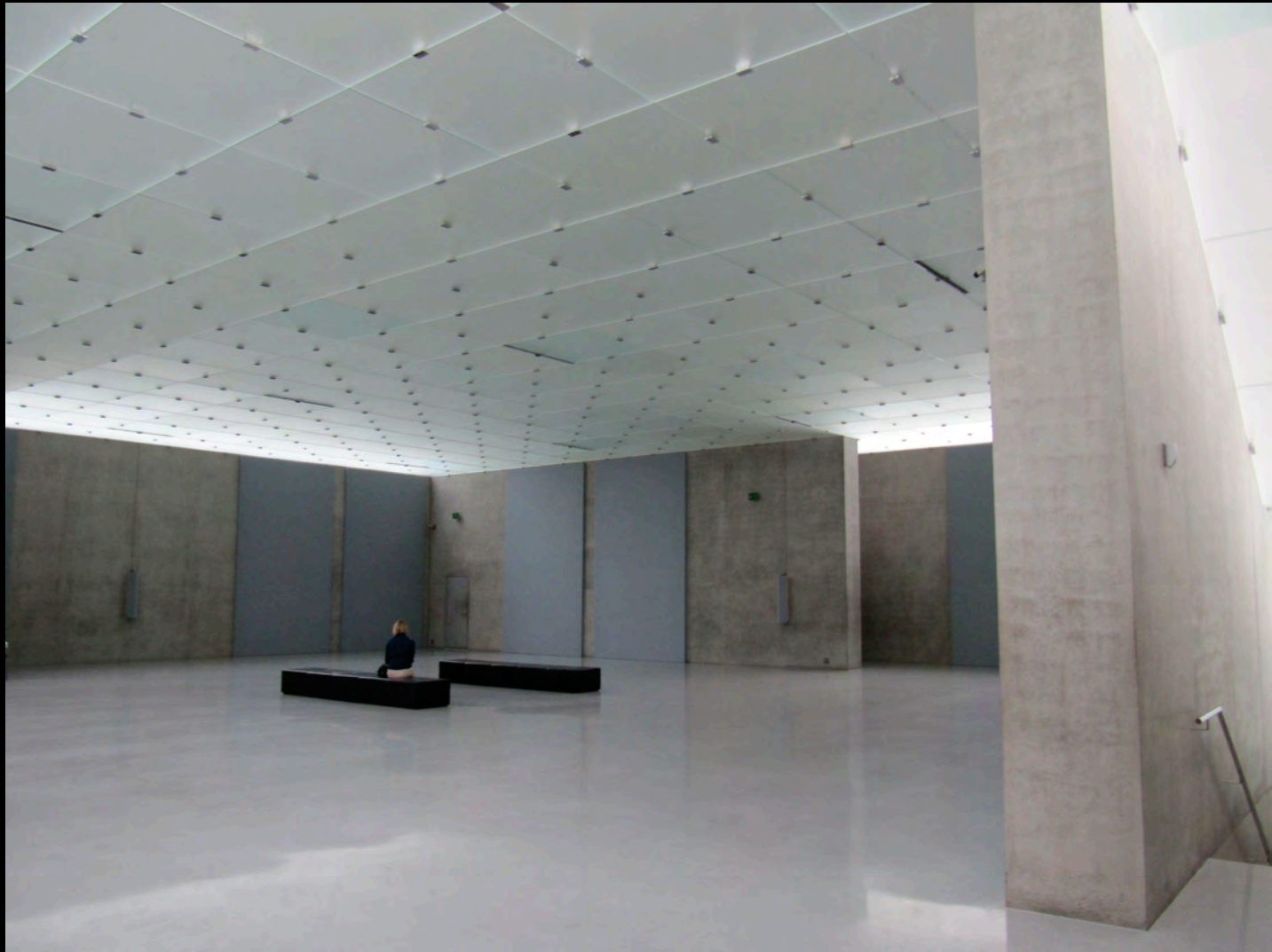


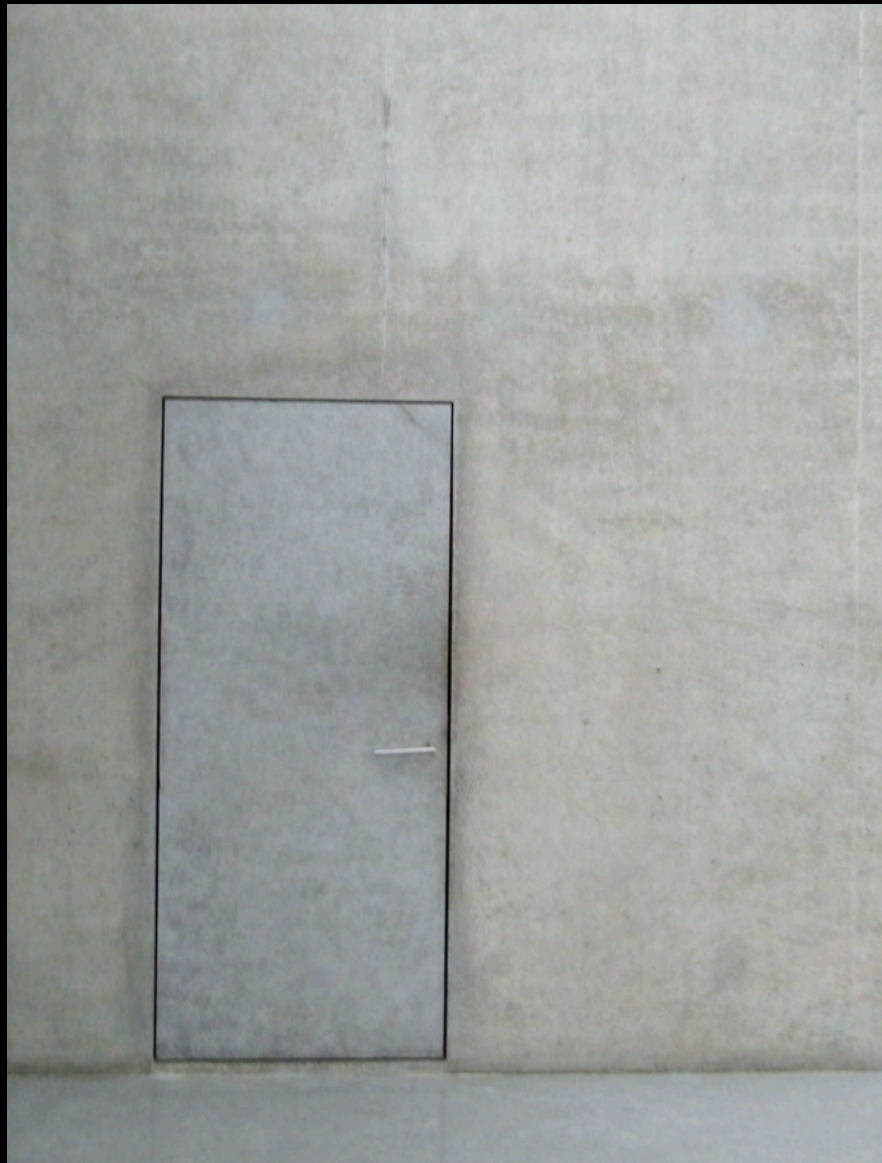














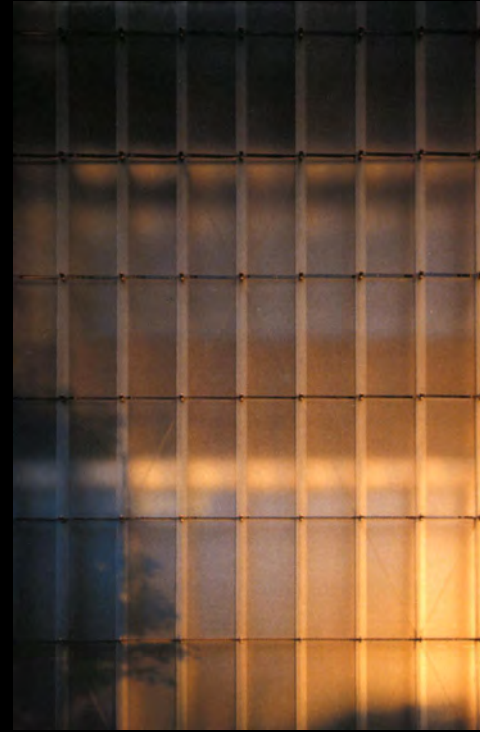












DE MEELFABRIEK, LEIDEN, HOLLAND





