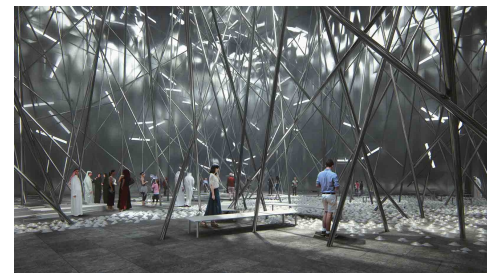
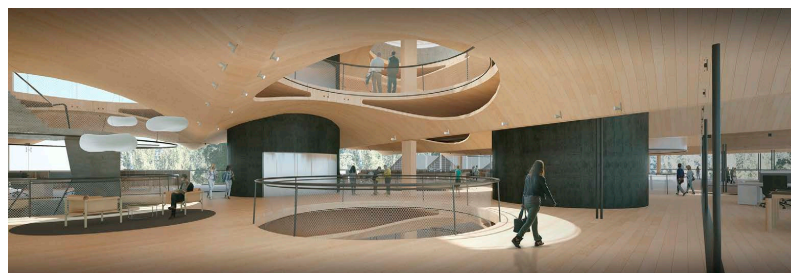


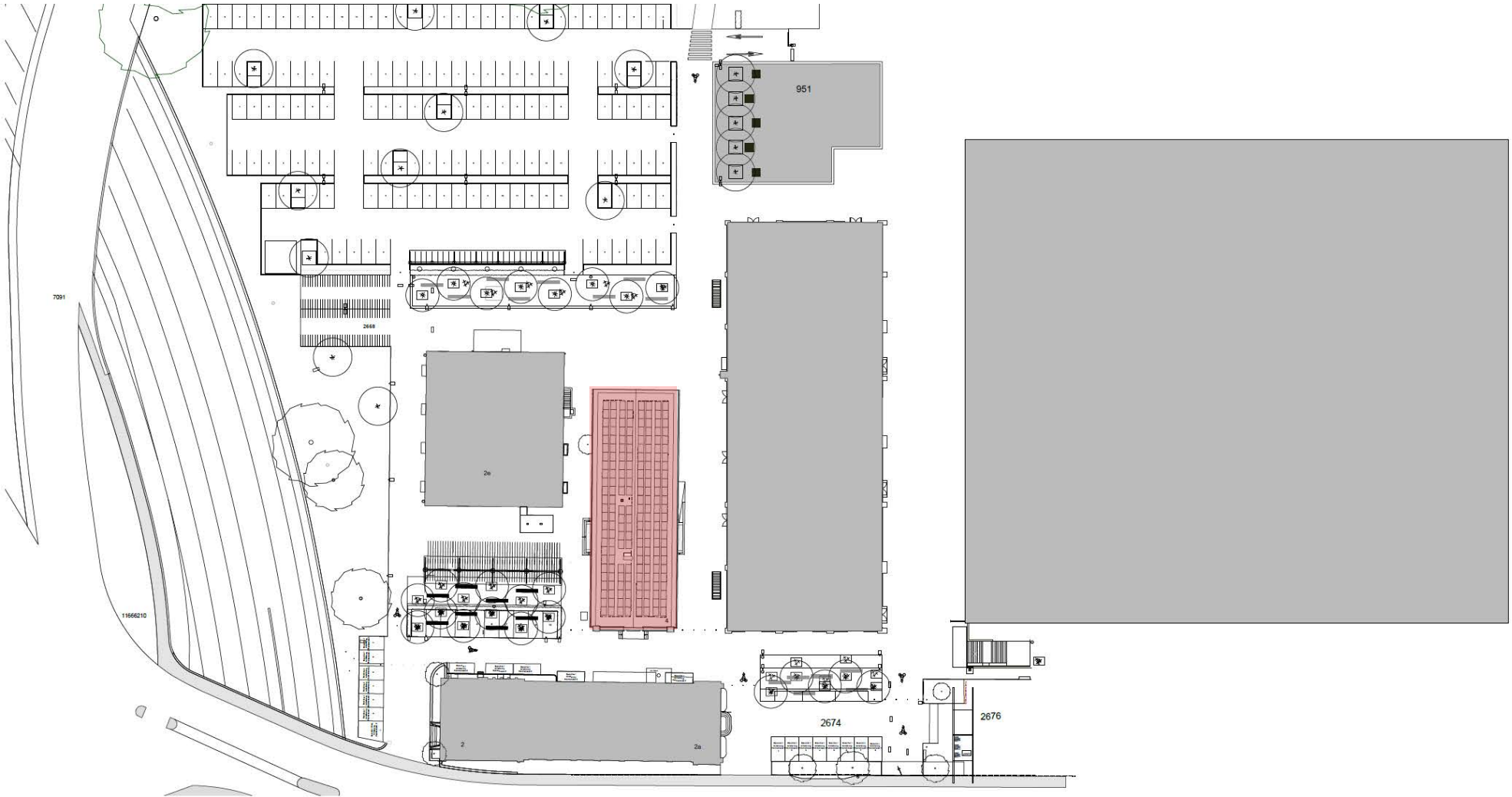
# Die Kunst der Tragwerke

Verhandlung struktureller Konzepte

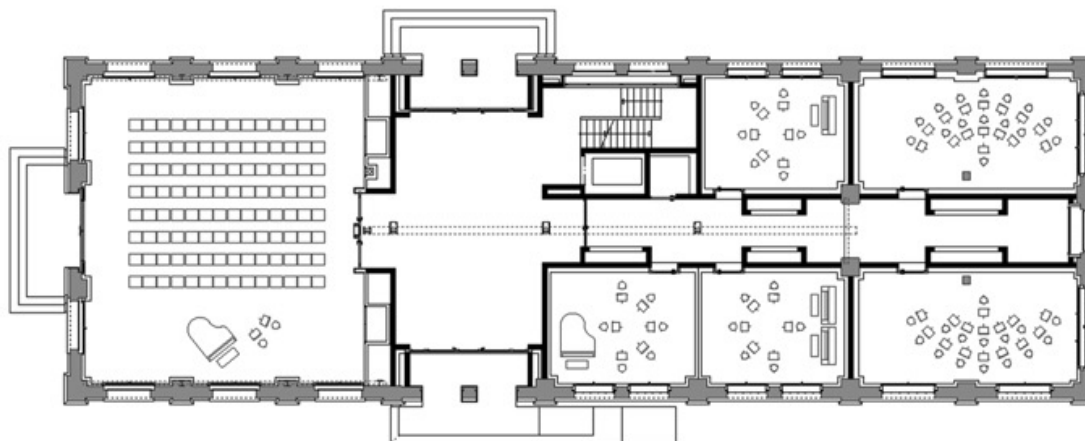
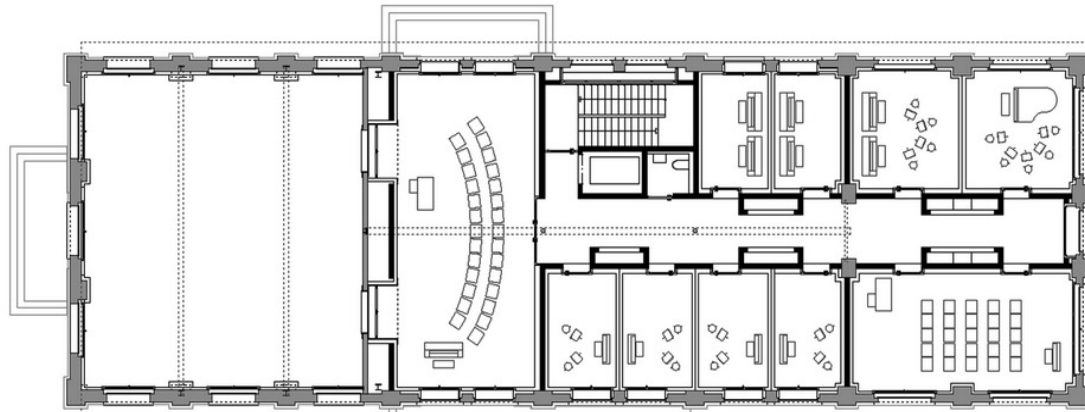


# Musikhaus, Universität von Roll-Areal Bern, 2018

Architekten: Lorenzo Giuliani & Christian Hönger  
Bauingenieur: Joseph Schwartz





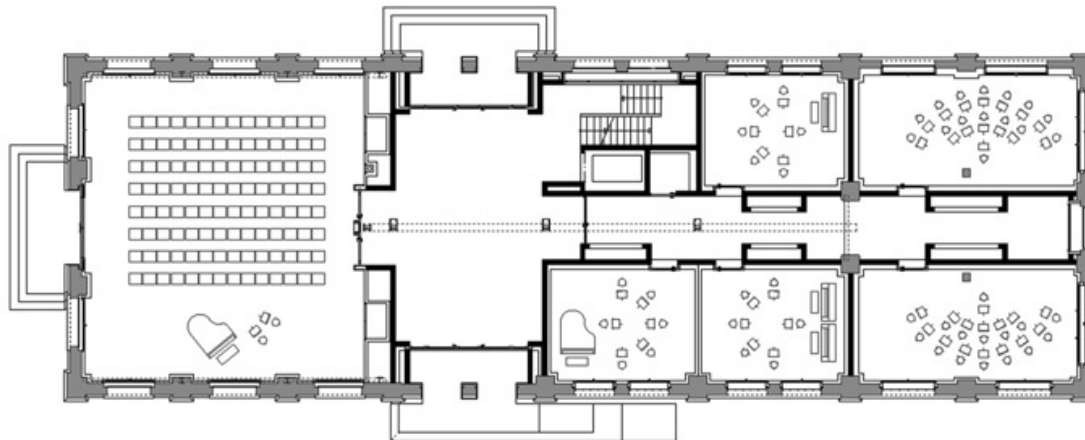
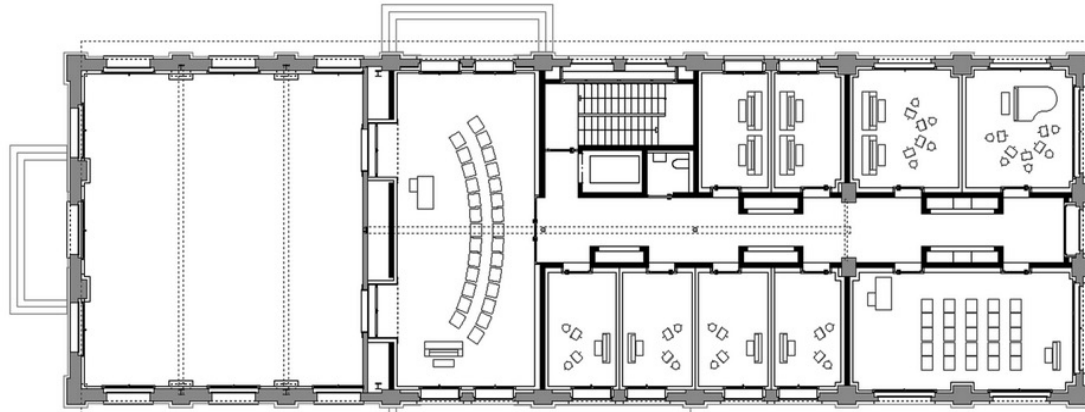




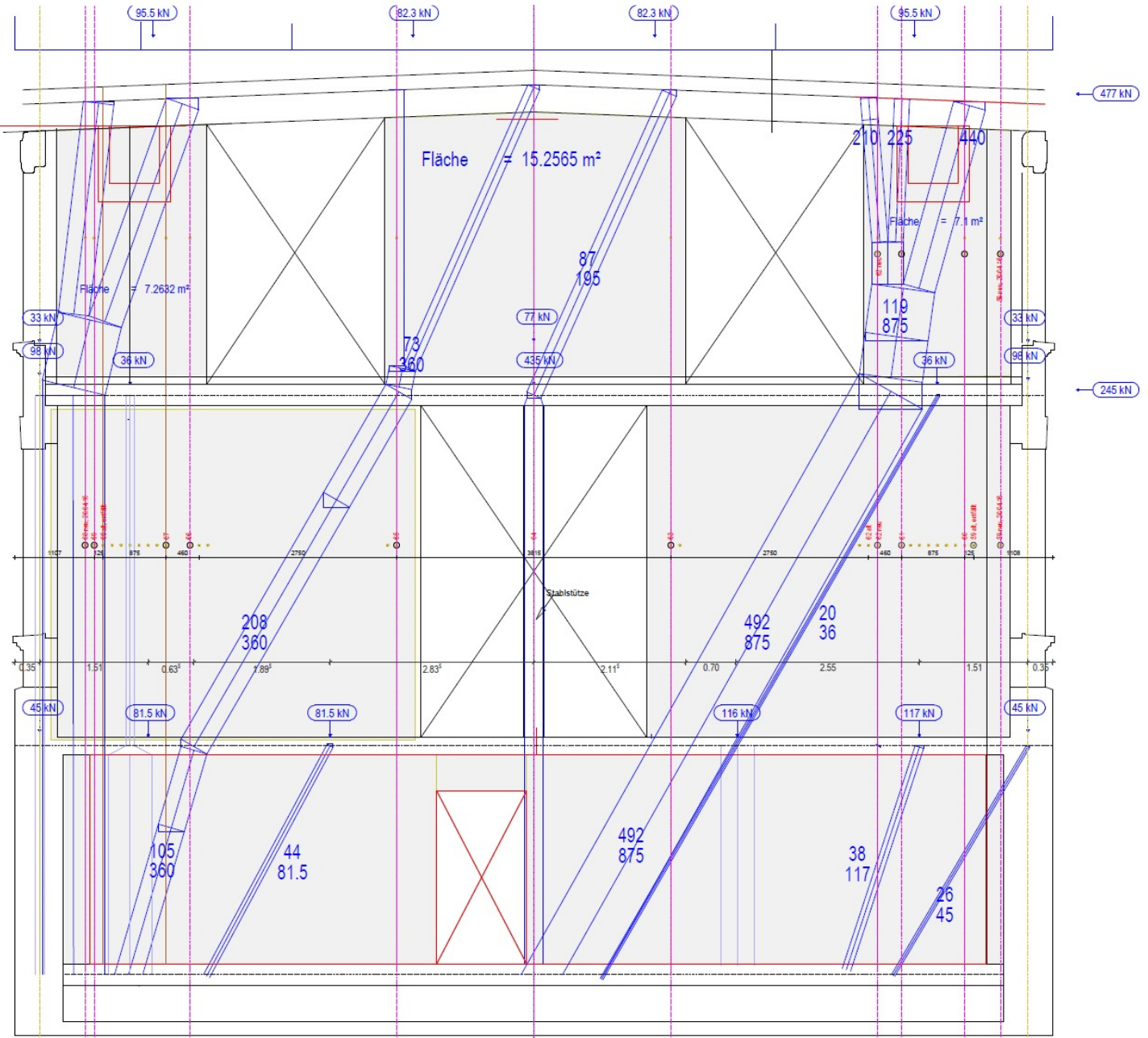






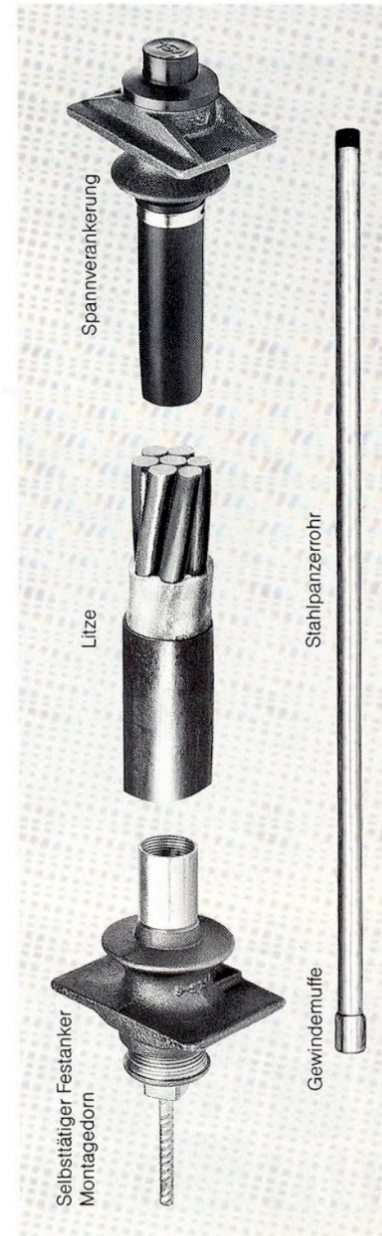
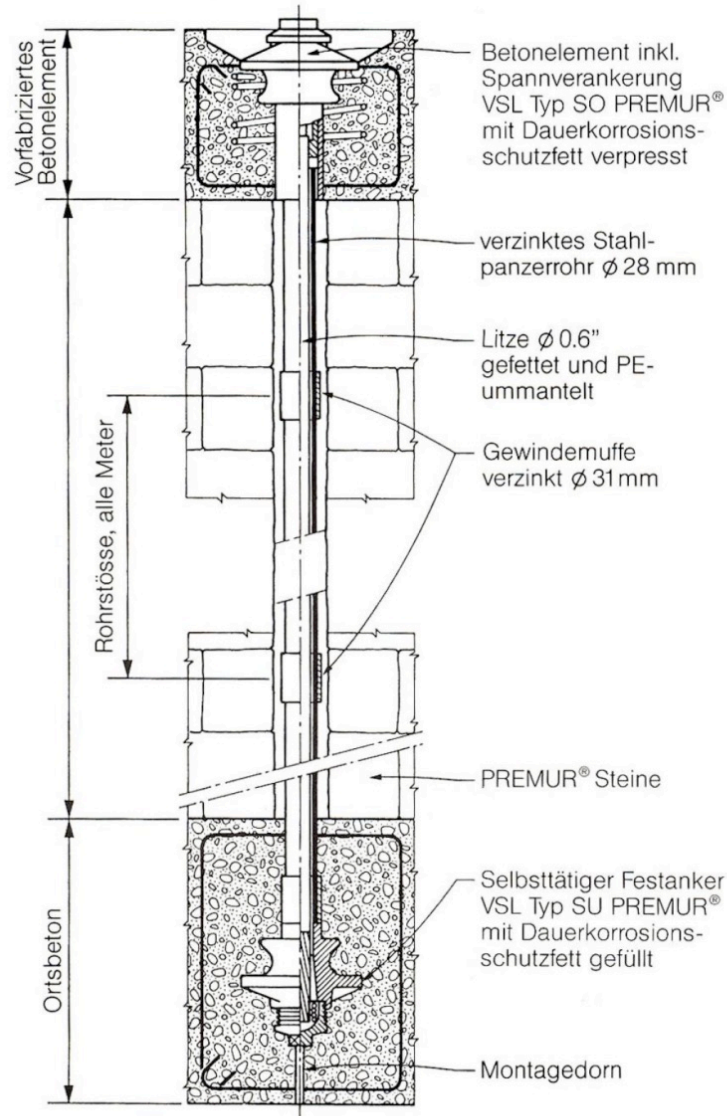


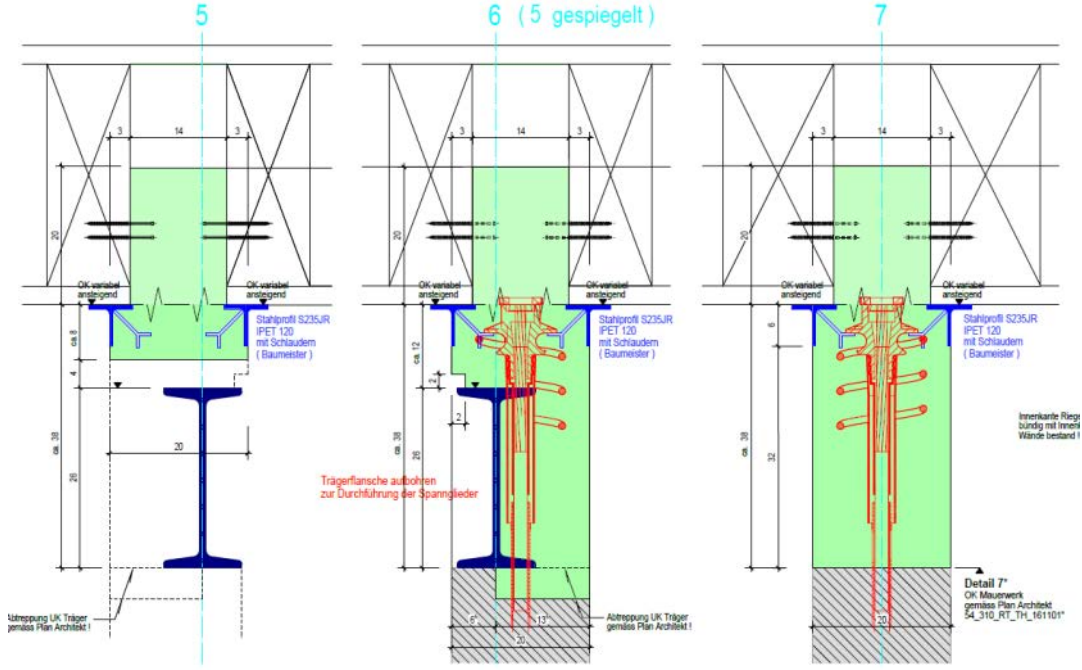
Wand Achse IV  
 Spannungsfelder aus  
 Vorspannung  
 von rechts nach links



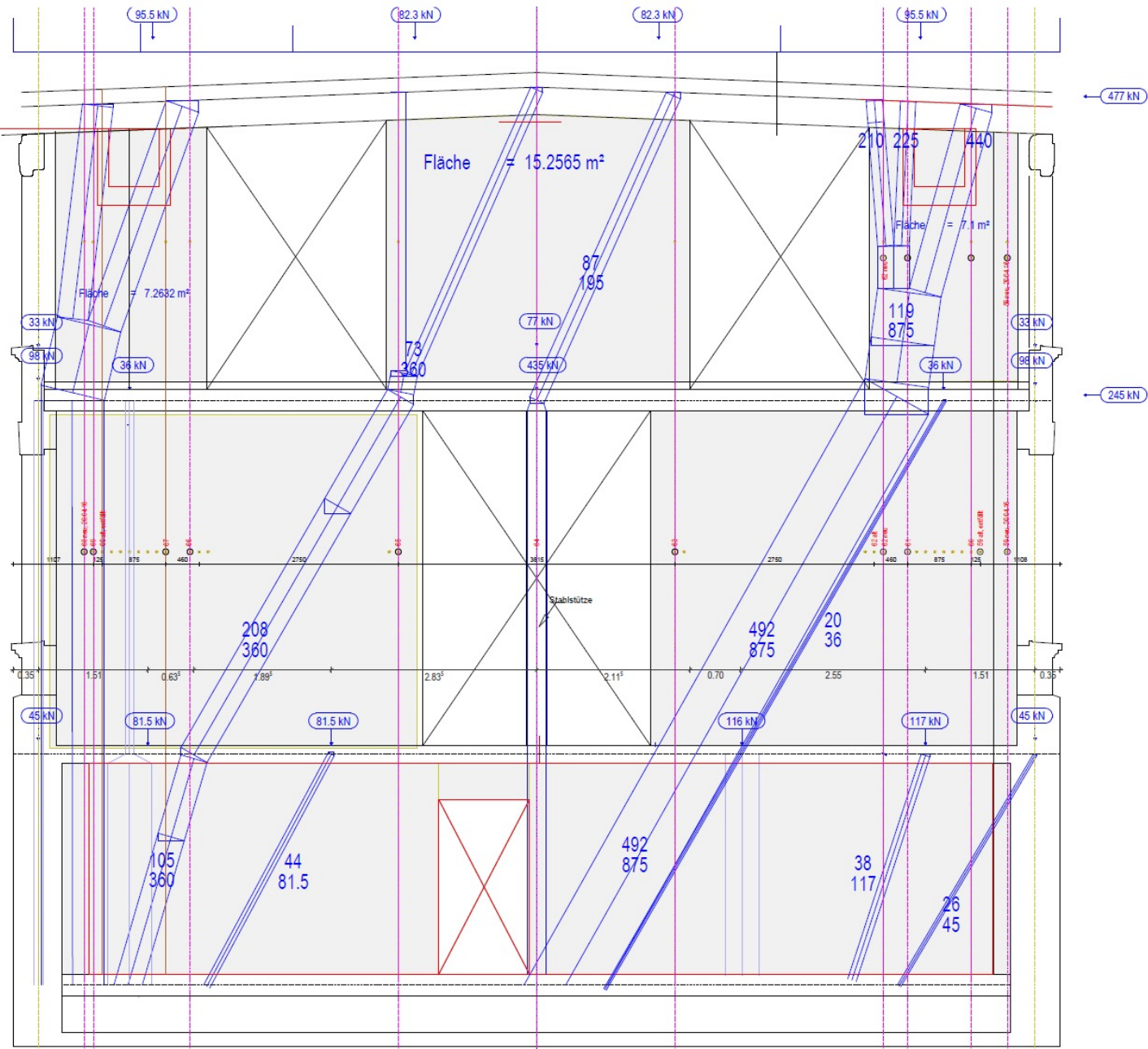
## Systemkomponenten

### VSL-Spannglied





Wand Achse IV  
 Spannungsfelder aus  
 Vorspannung  
 von rechts nach links

















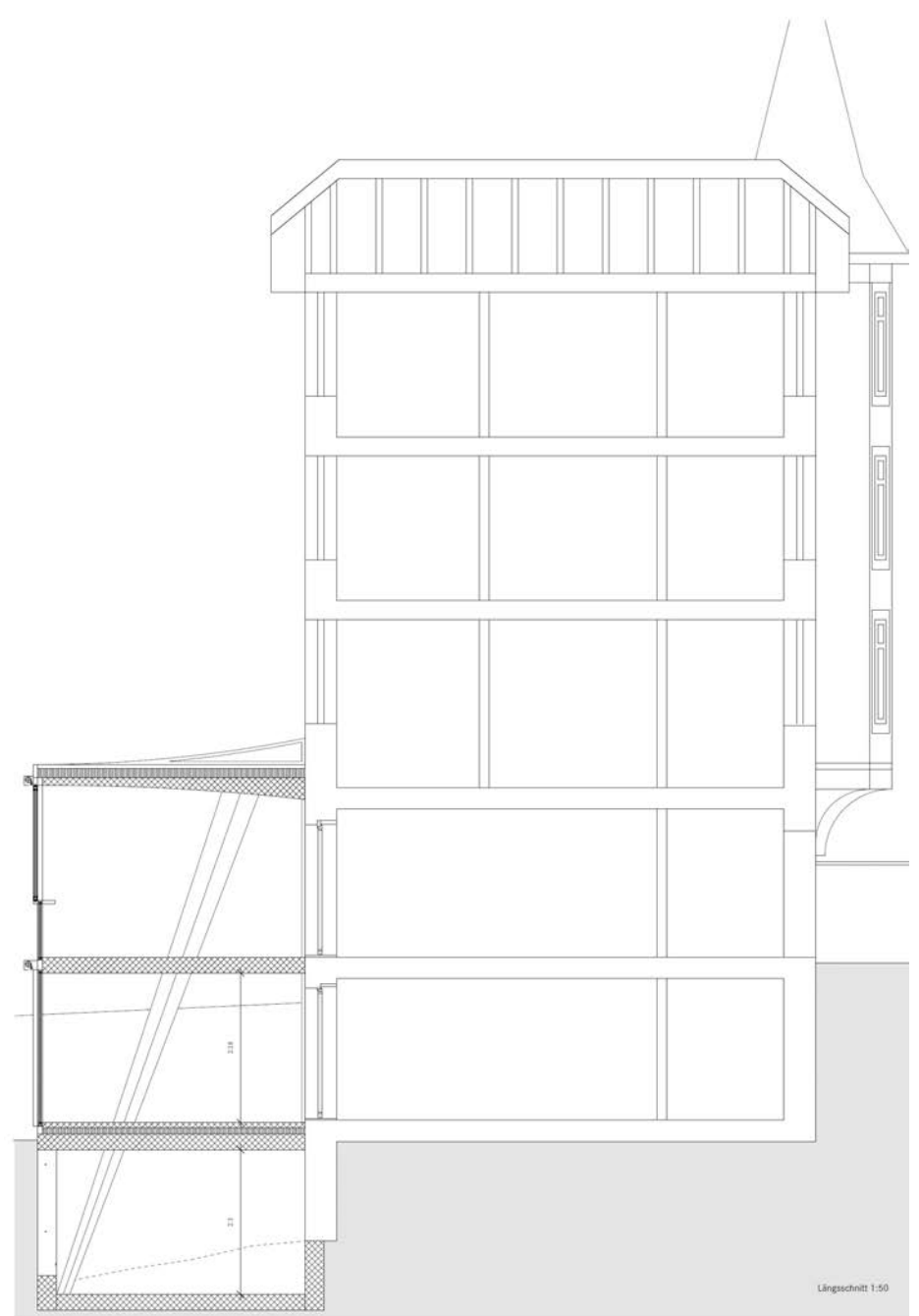
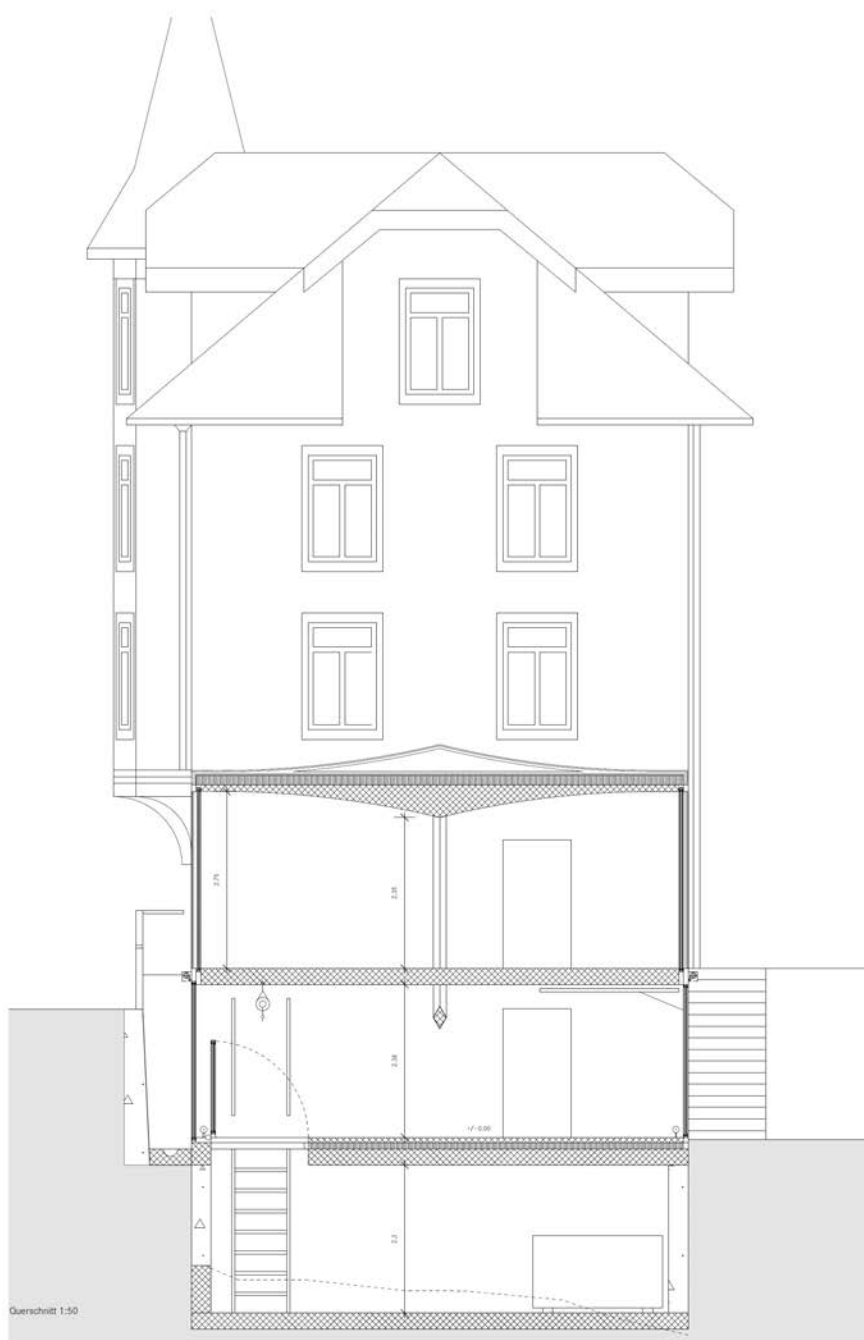
# Erweiterung Wohnhaus, Seelisberg, 2015

Architekt: Jan Kinsbergen  
Bauingenieur: Joseph Schwartz



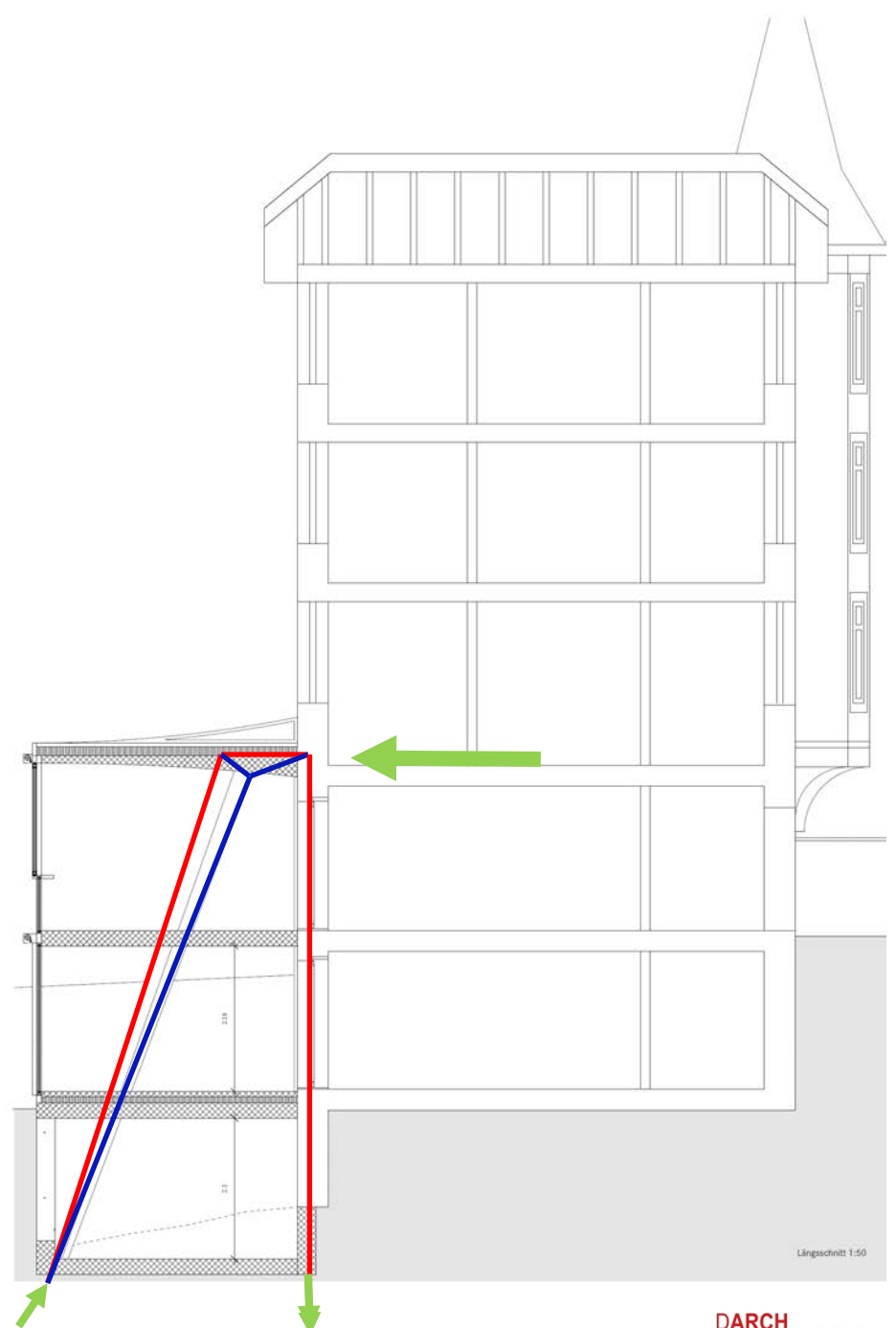
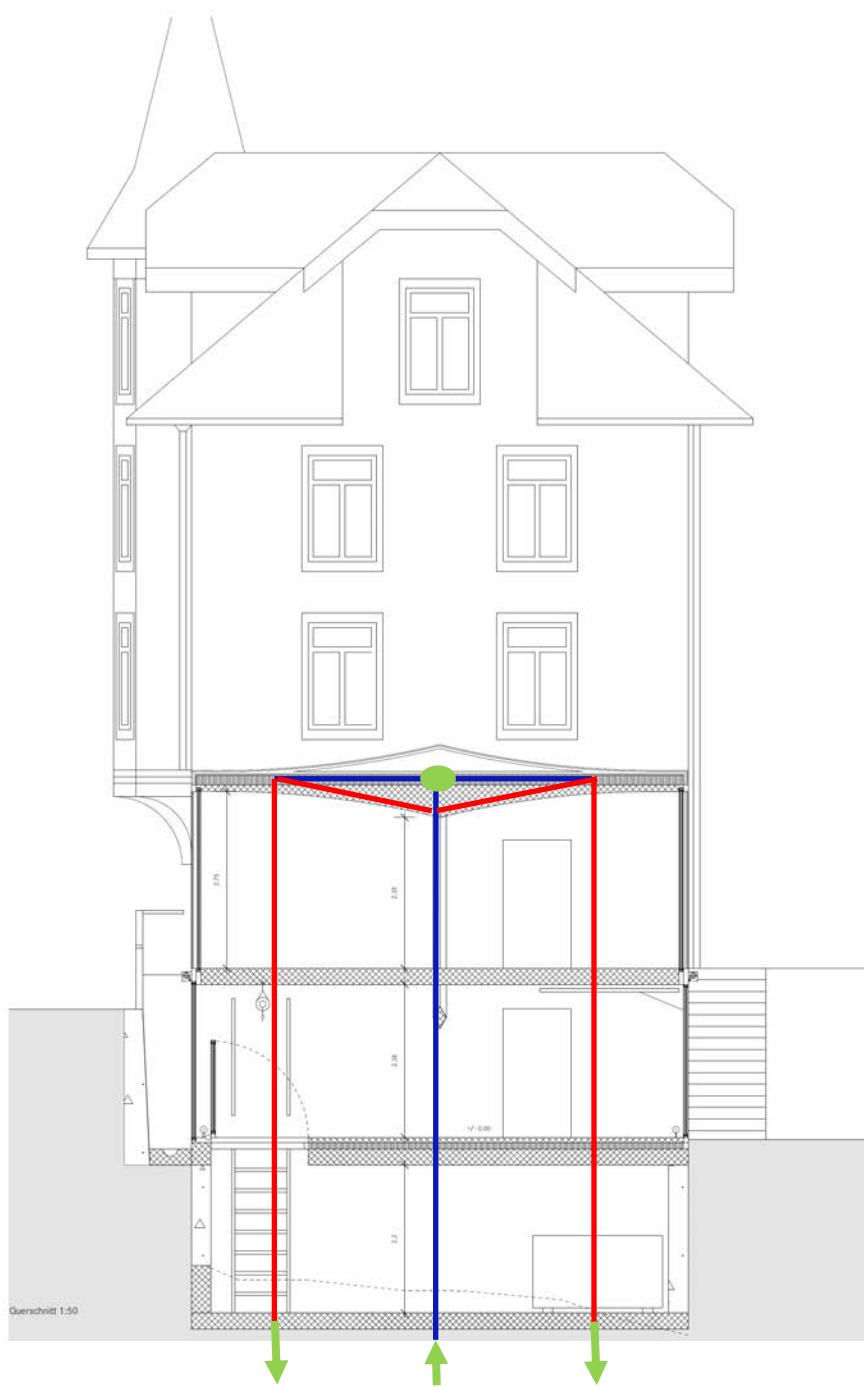
# Hotel und Pension Flora, Seelisberg















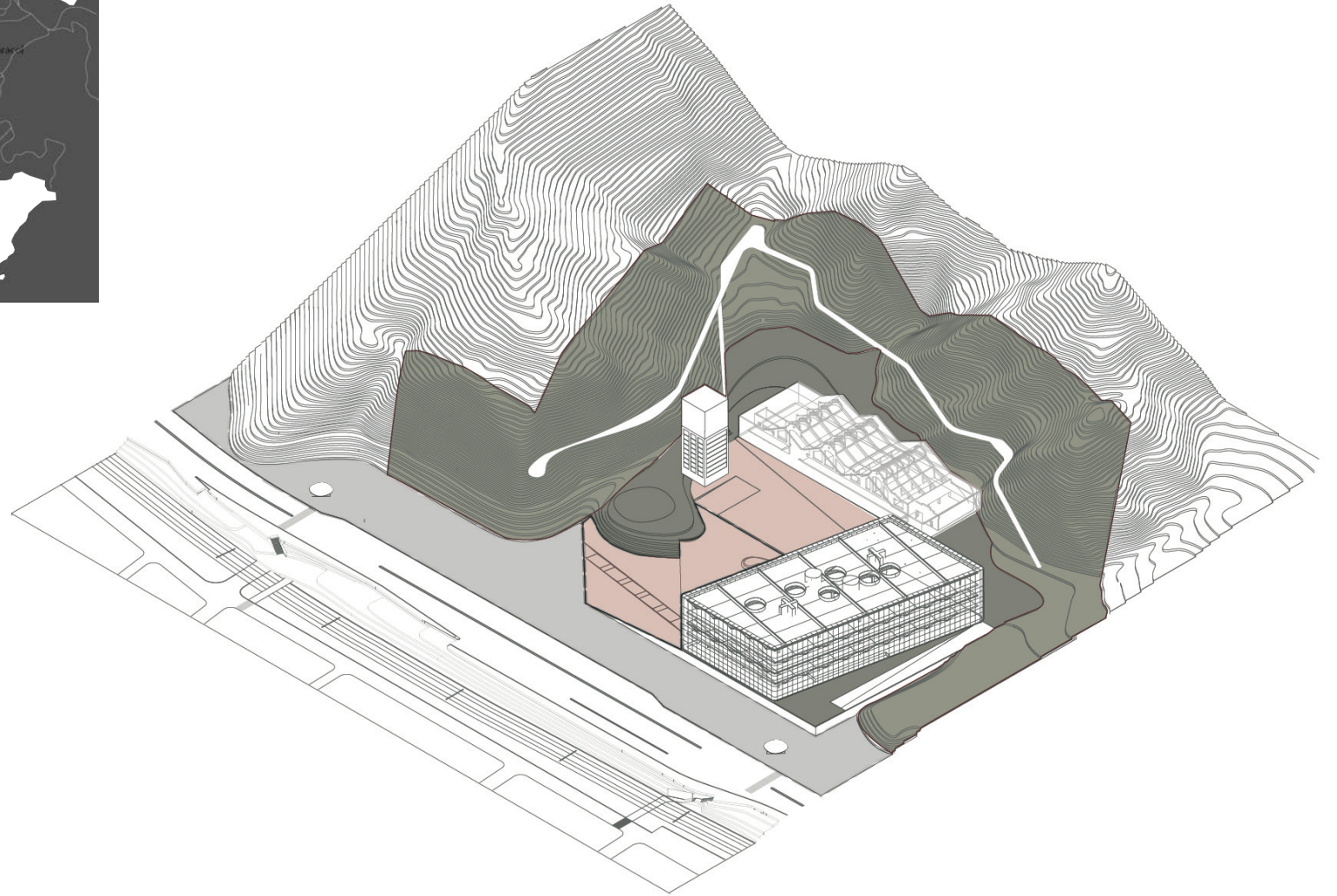


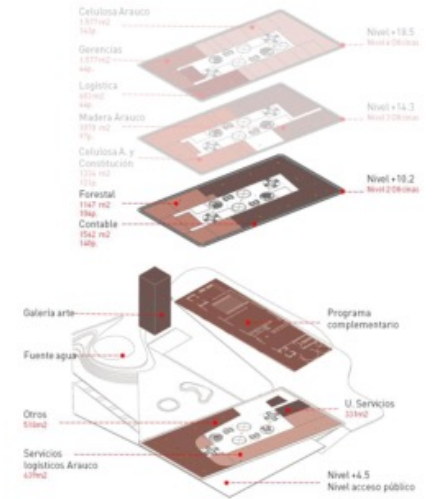
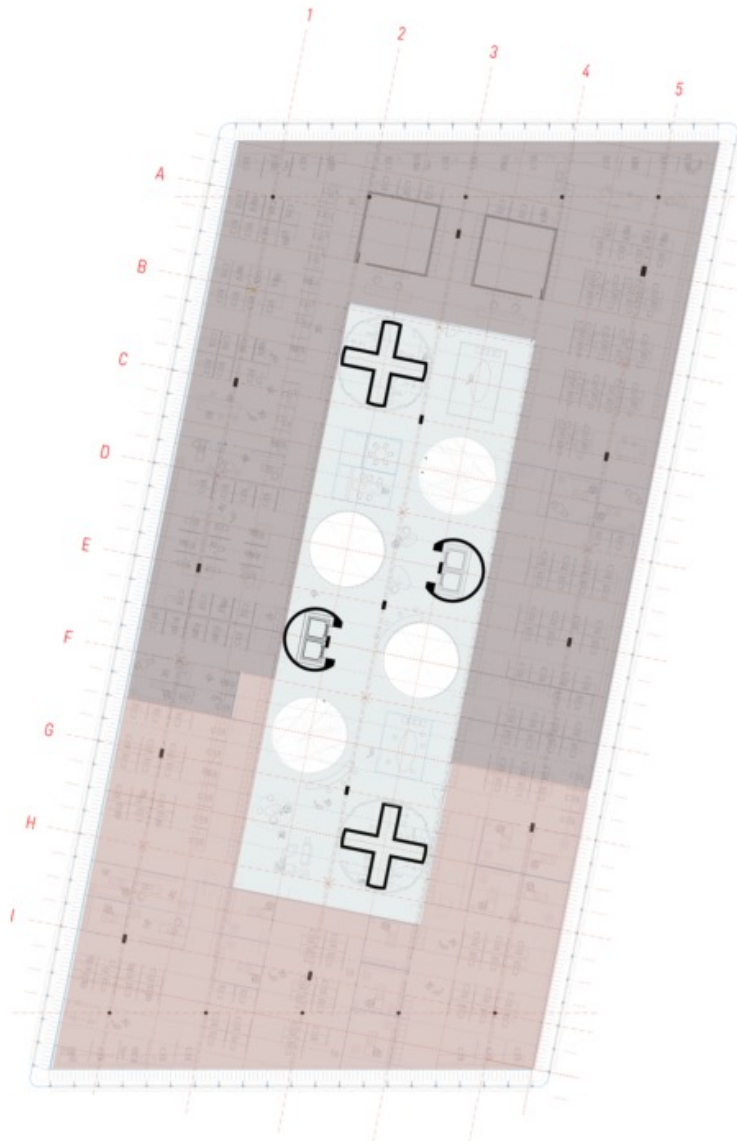
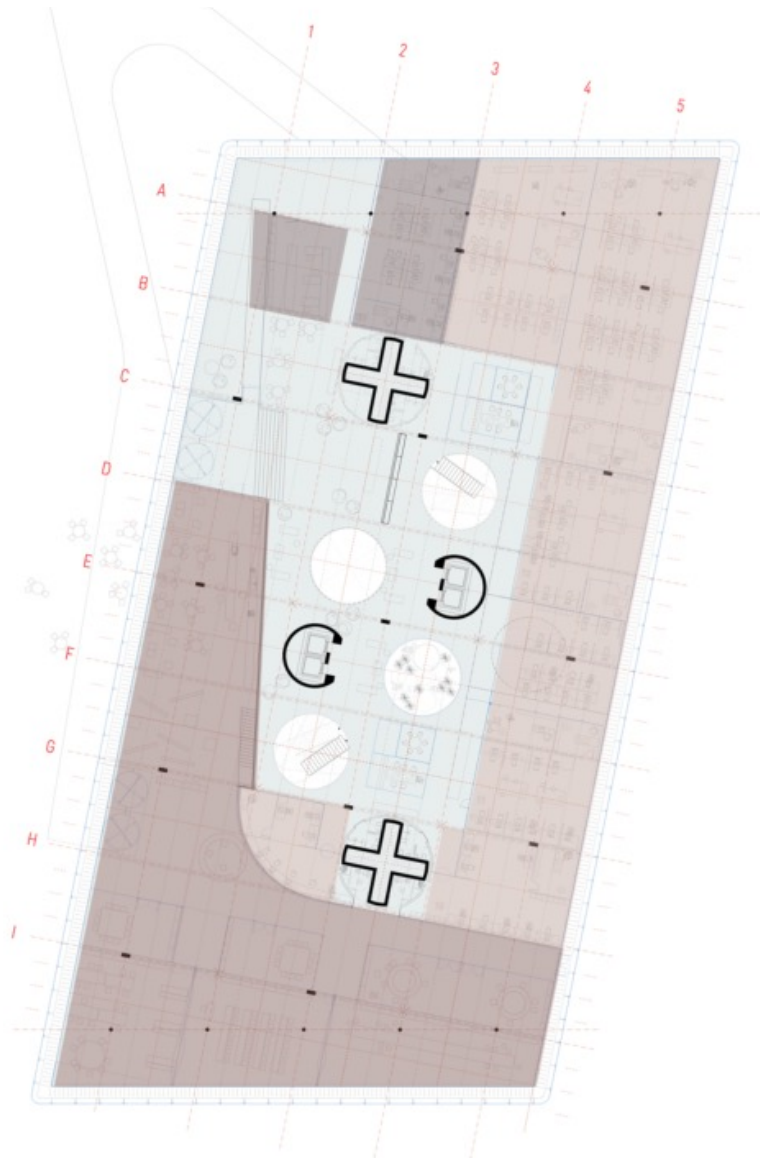


# **Arauco Innovationszentrum, Chile**

## **Wettbewerb 2019**

Architekten: Cecilia Puga und Paula Velasco  
Bauingenieur: Joseph Schwartz



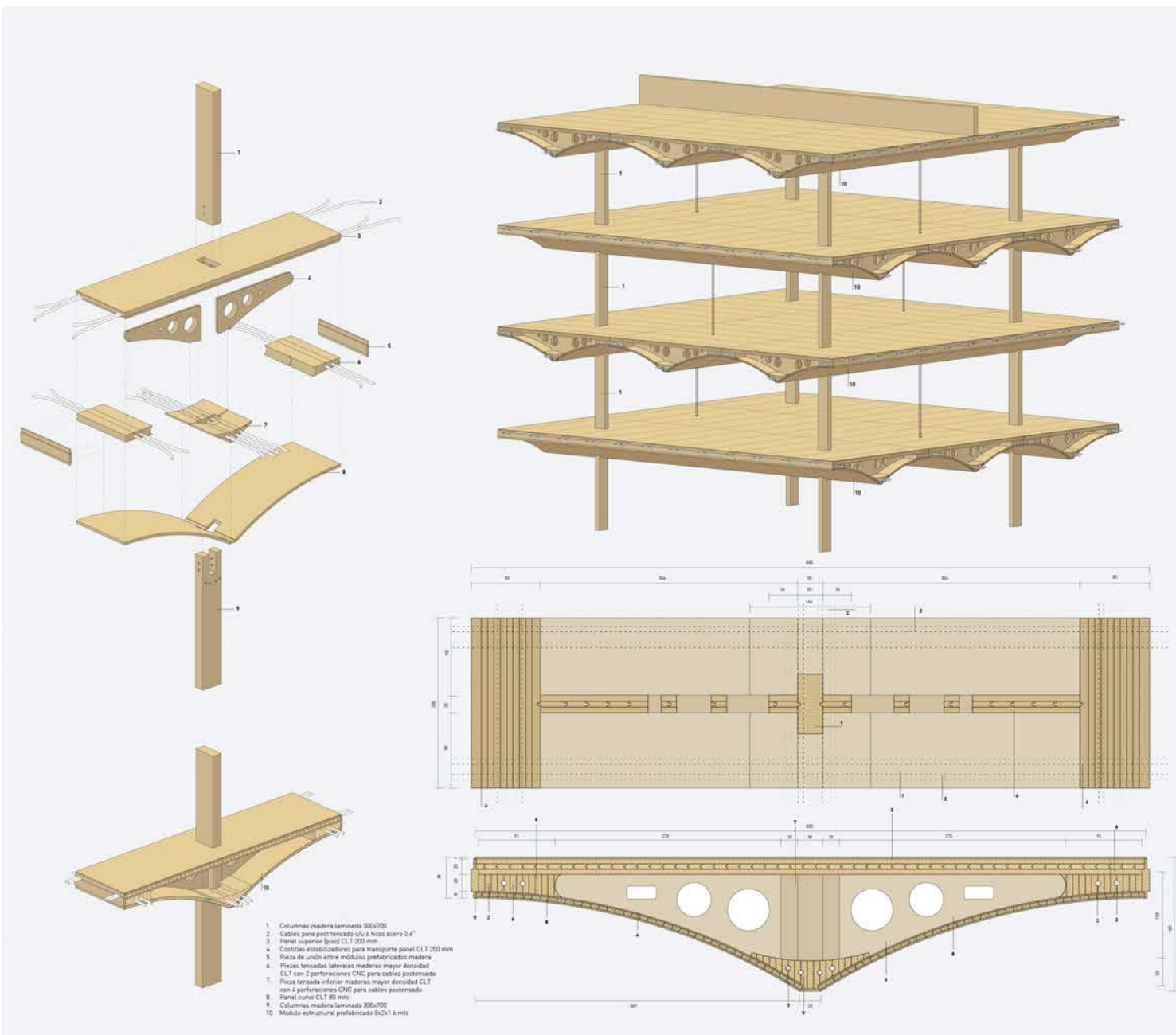




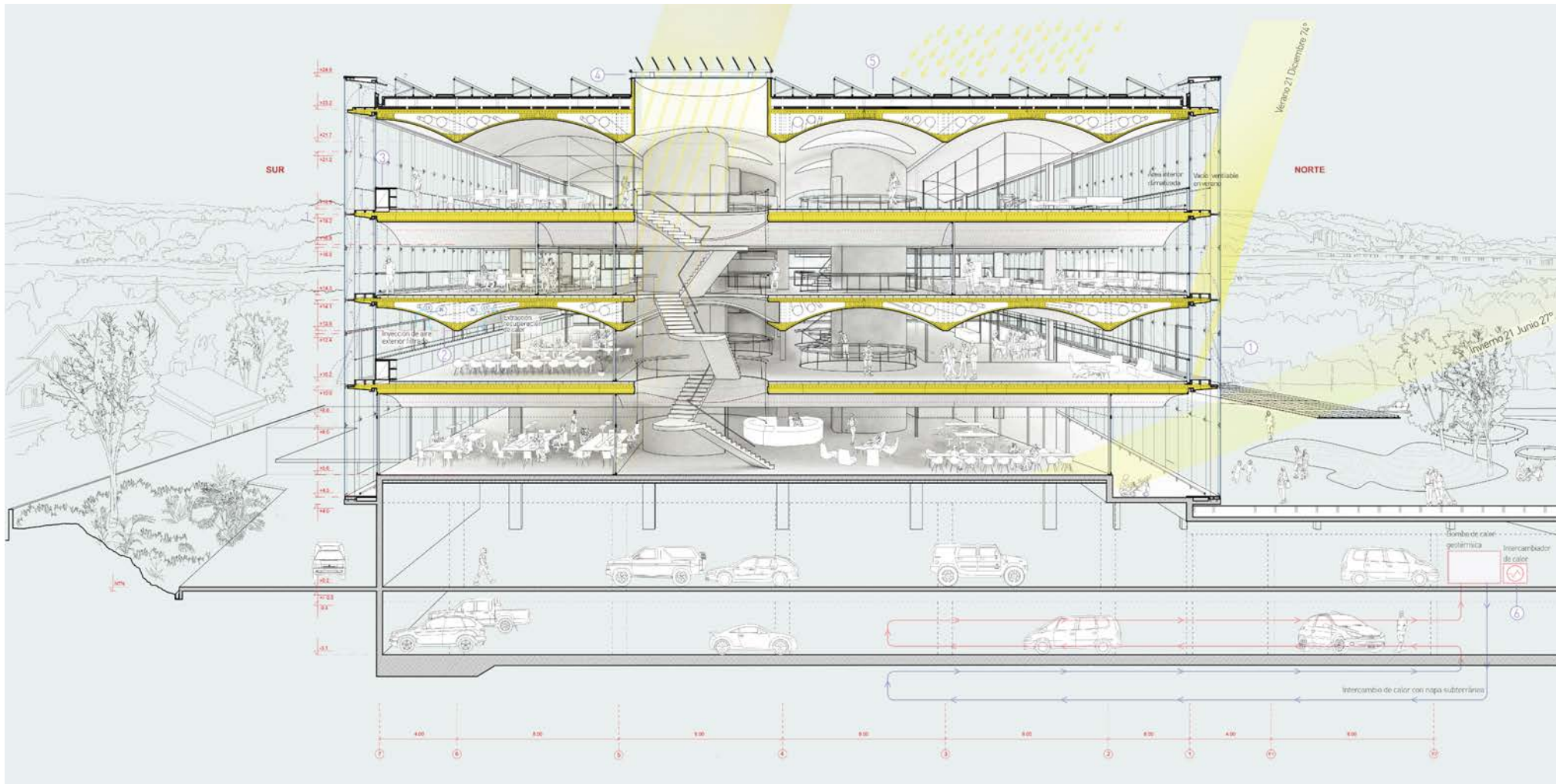














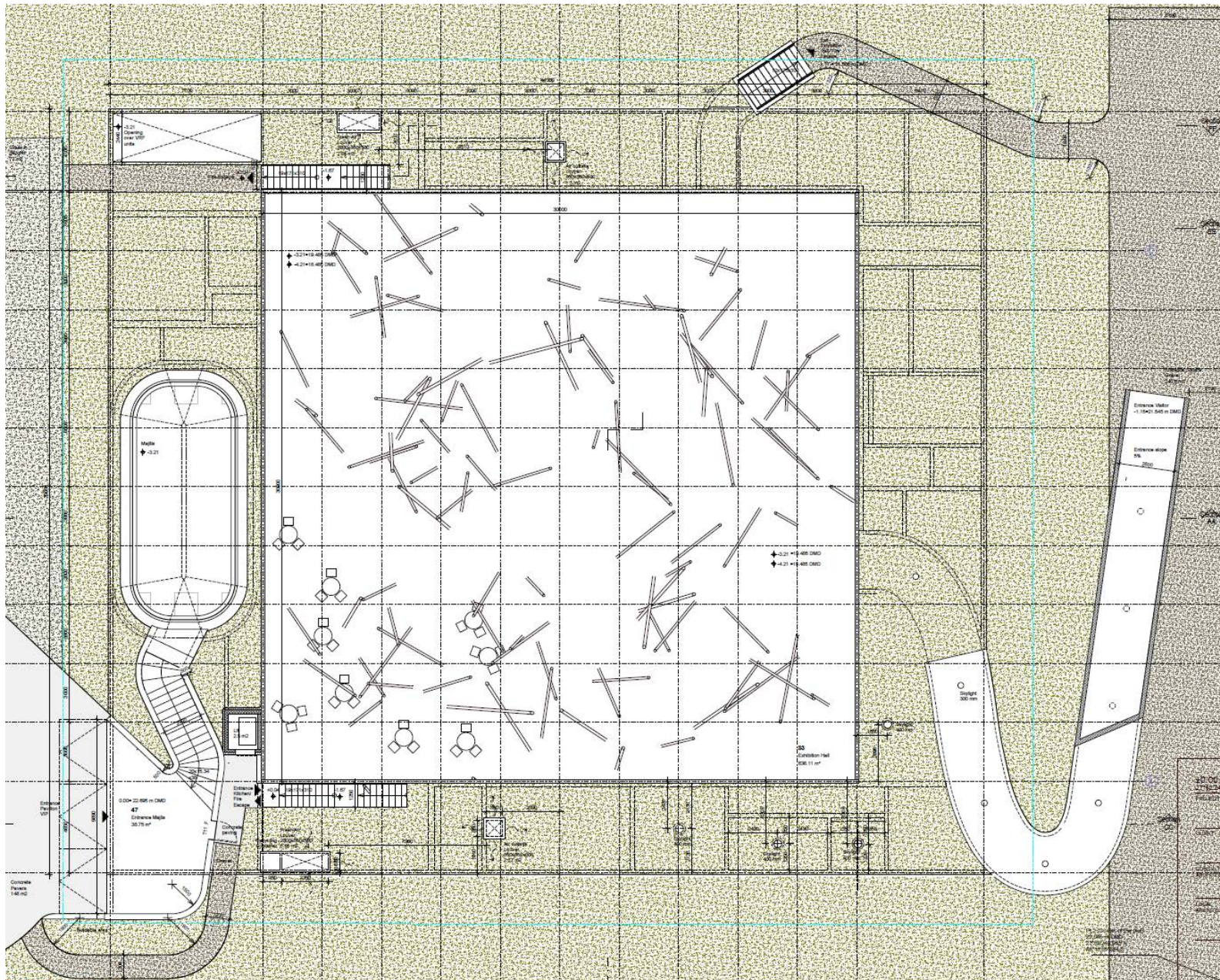


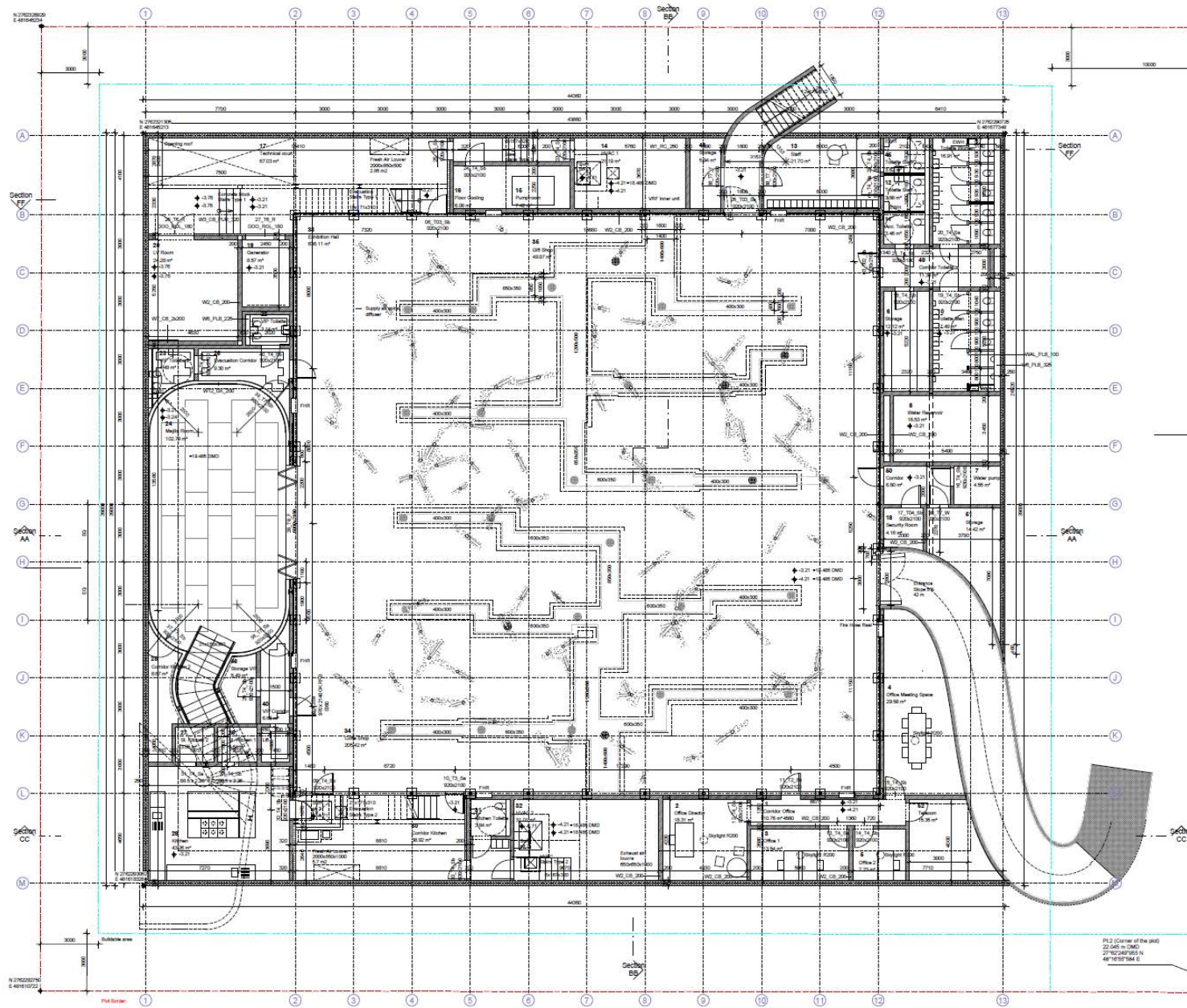


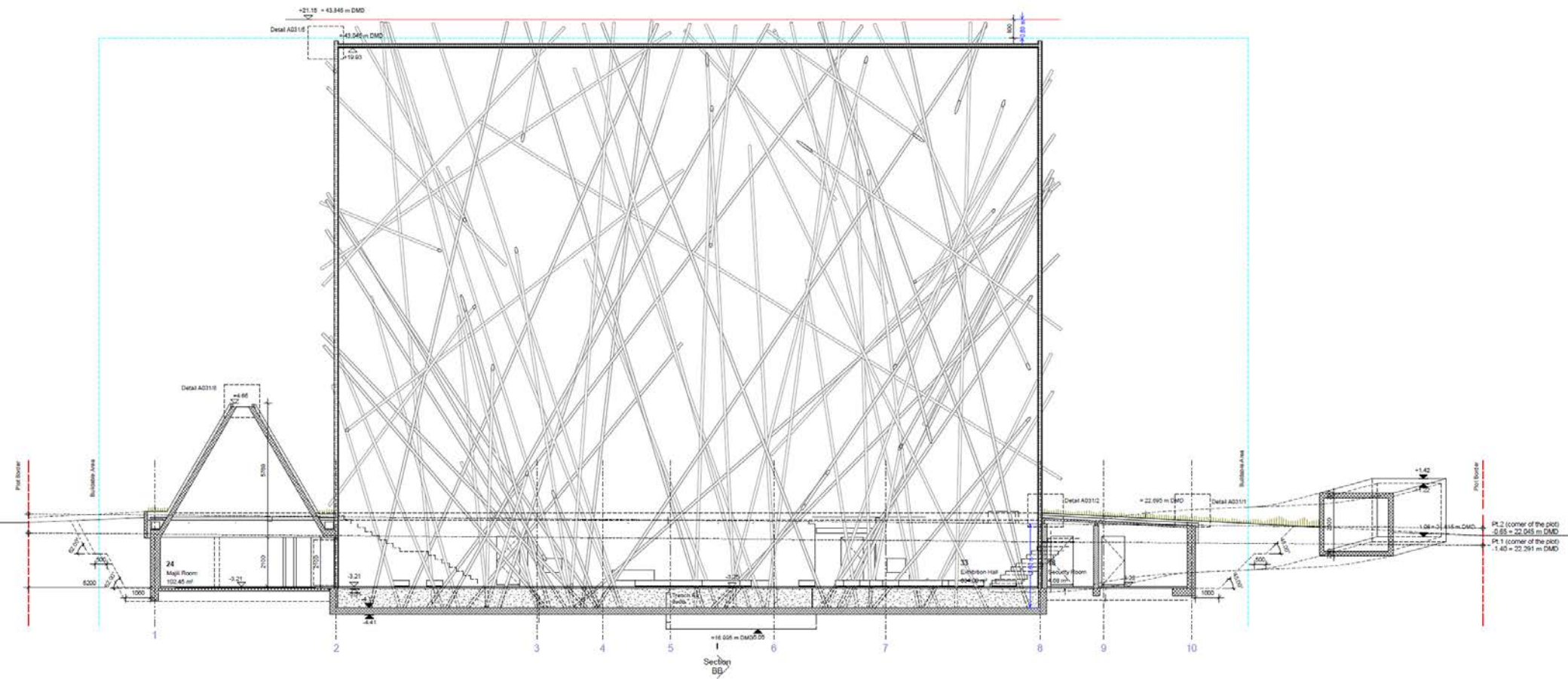


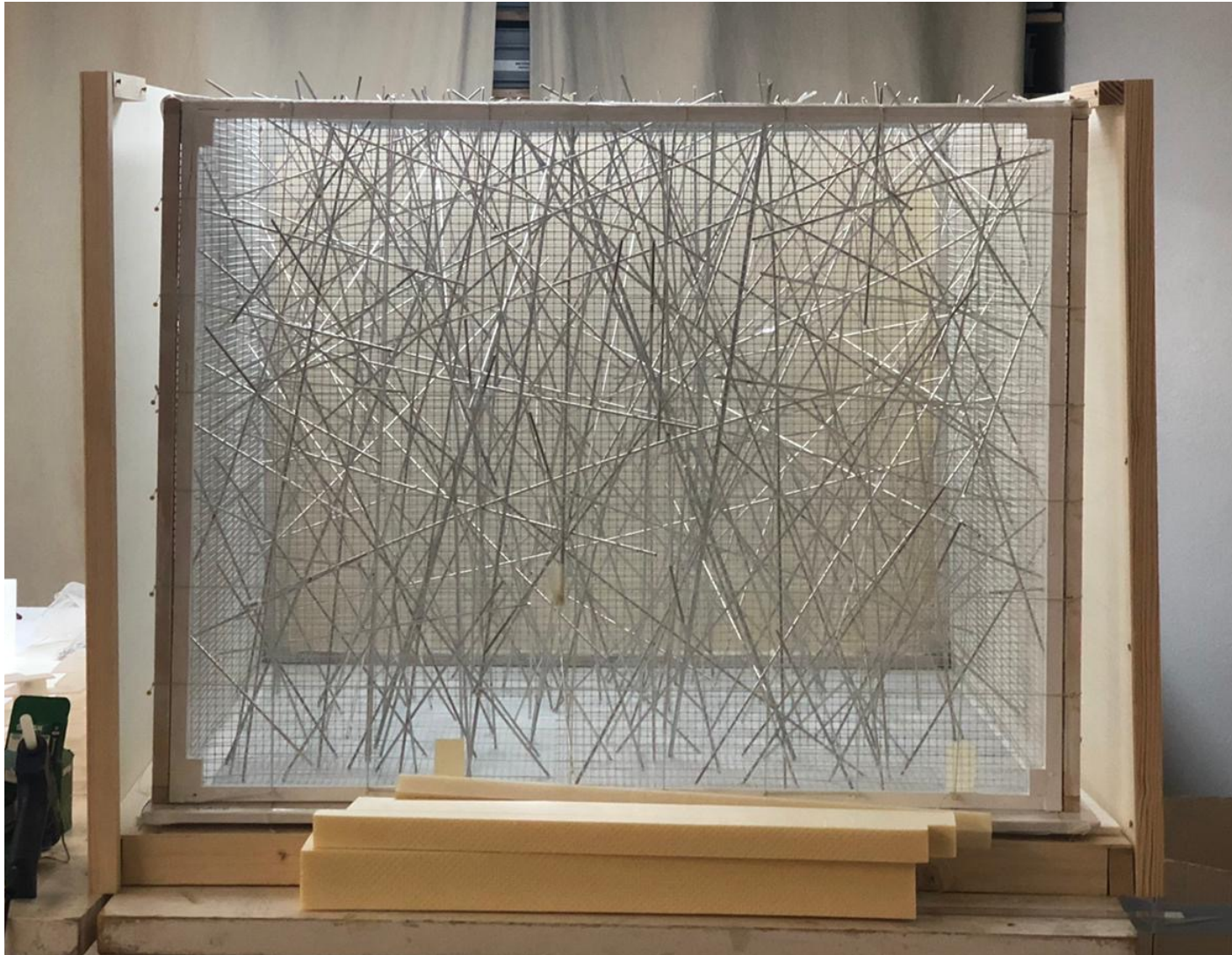
# Bahrain Pavilion Dubai Expo 2020

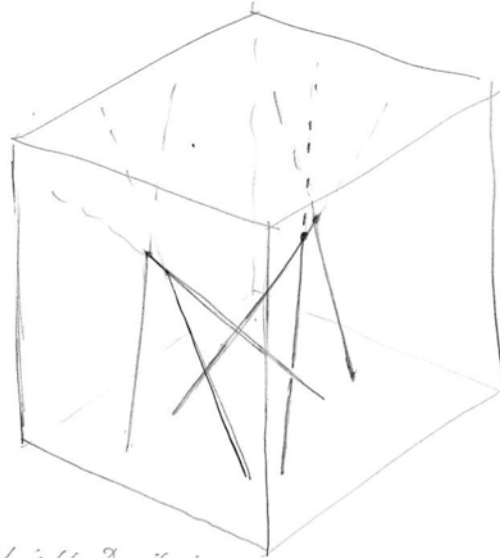
Architekt: Christian Kerez  
Bauingenieur: Joseph Schwartz



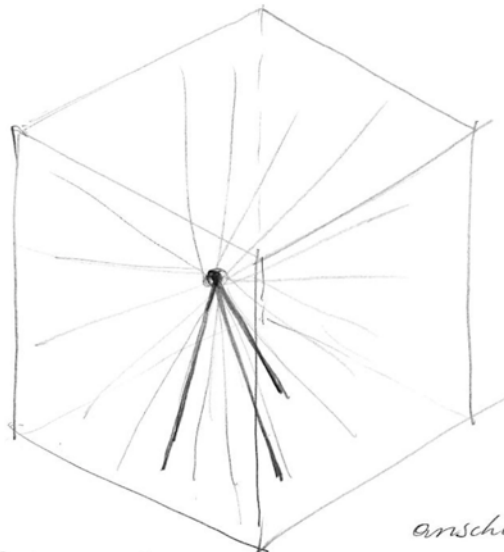




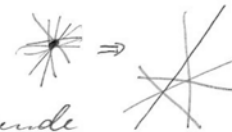
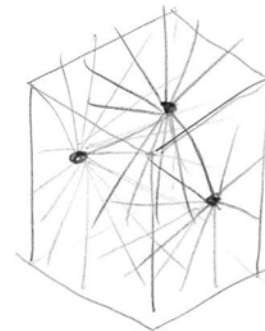




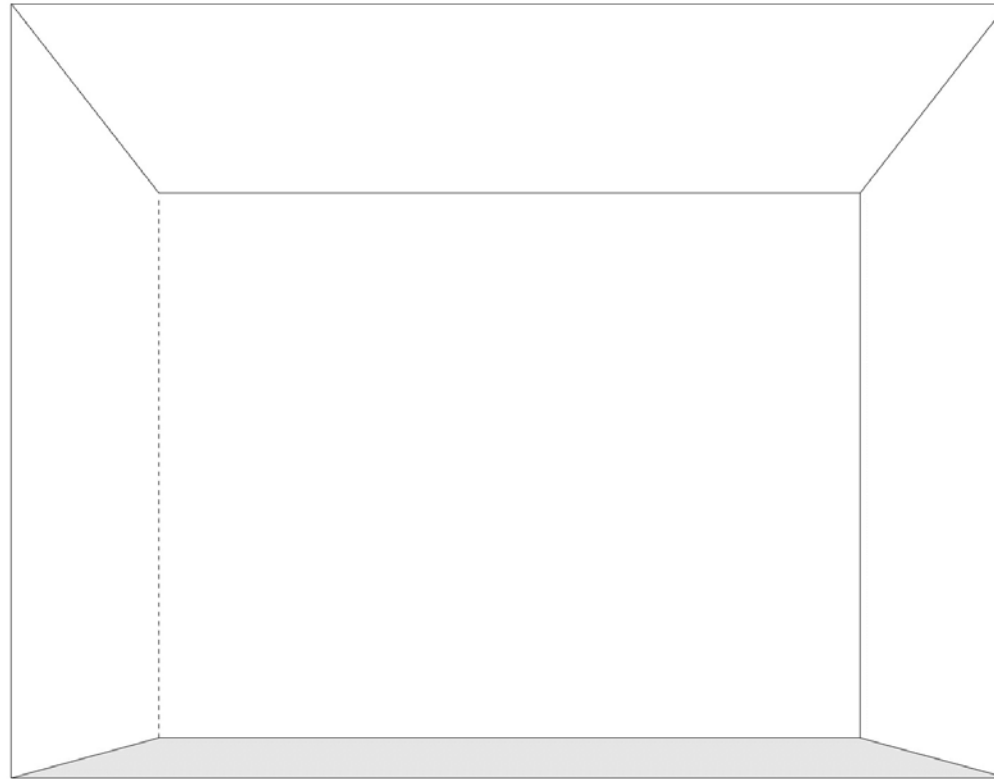
2 bis 4 Dreiecke



"Explosionen"



anschliessende  
Entflechtung der Zentrums-  
punkte



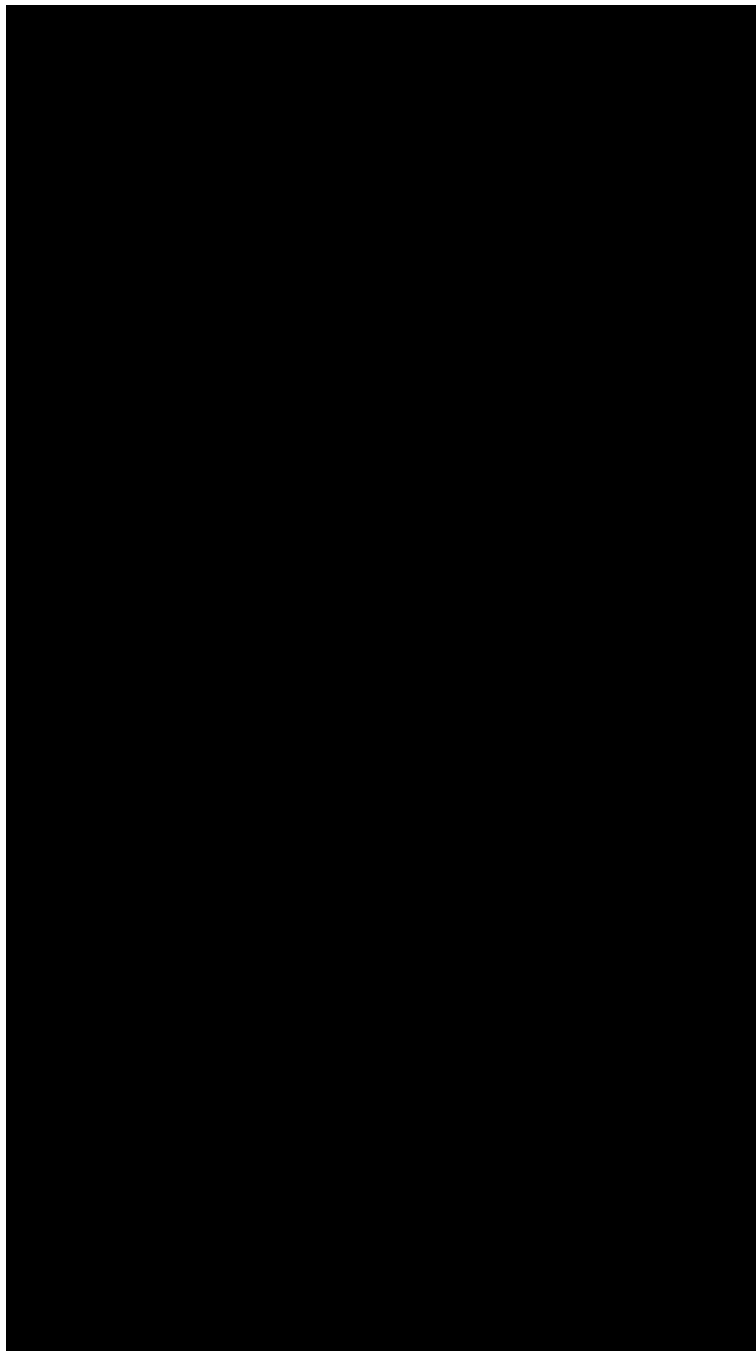


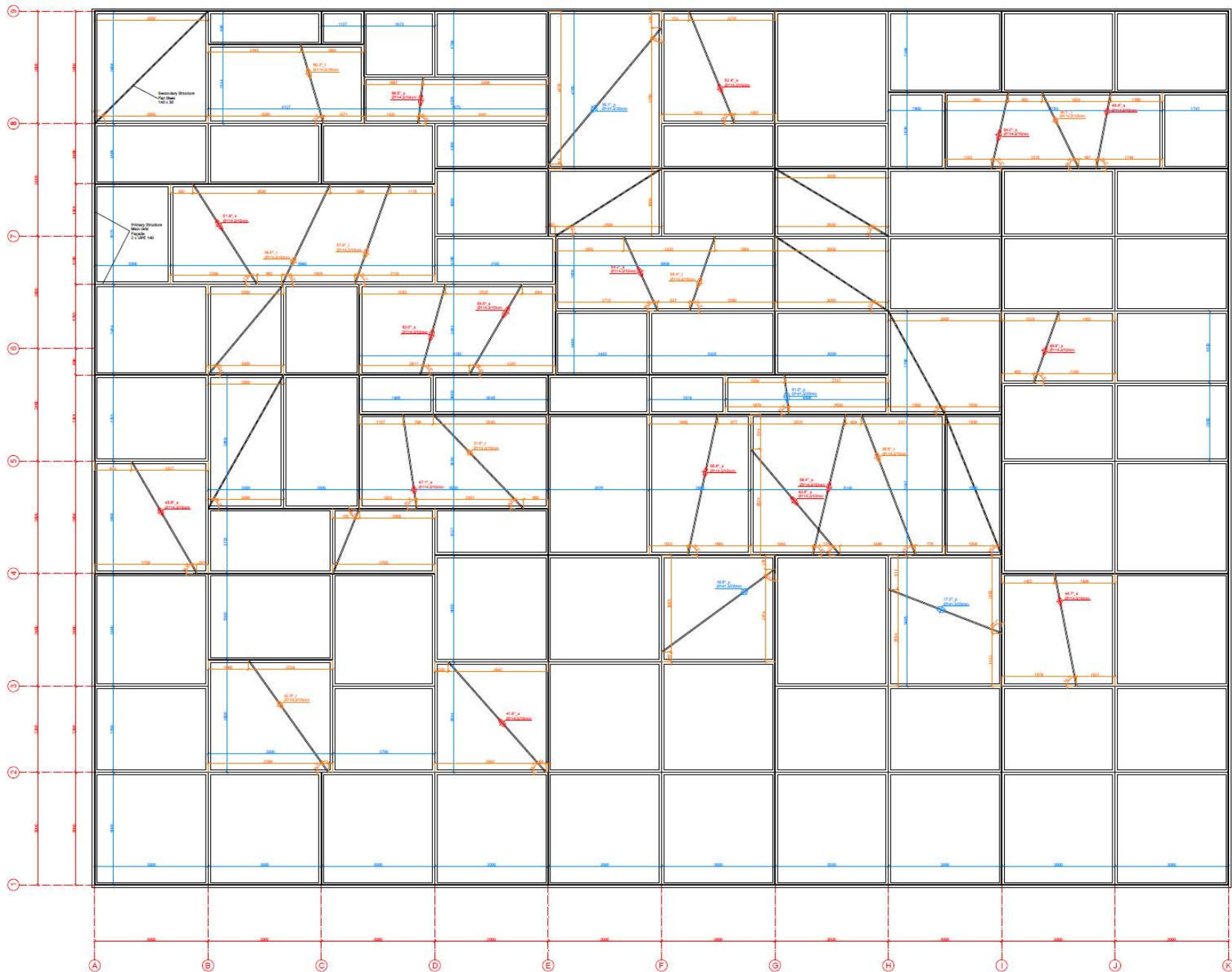




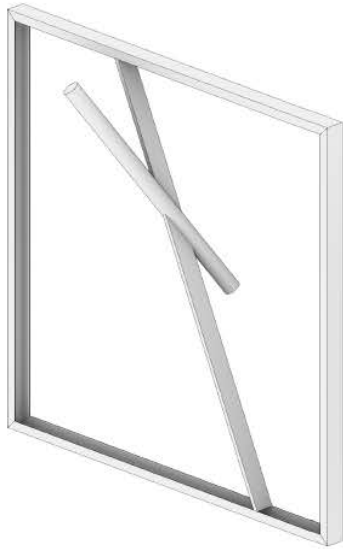




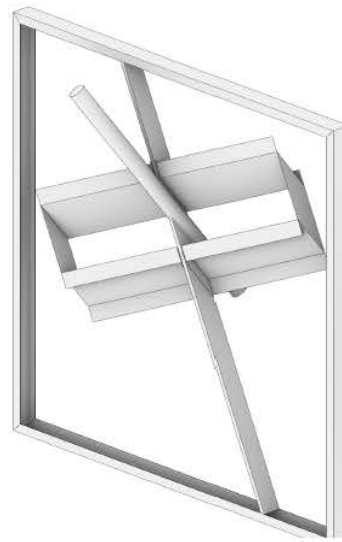




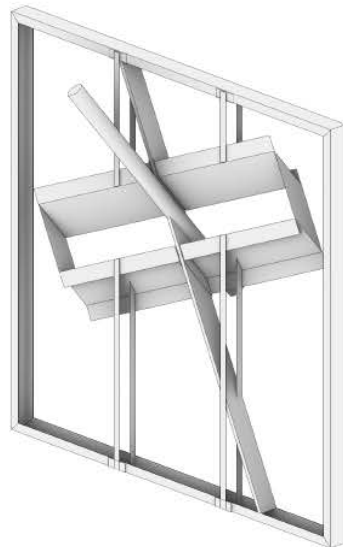
# Roof edge - connection of the panels



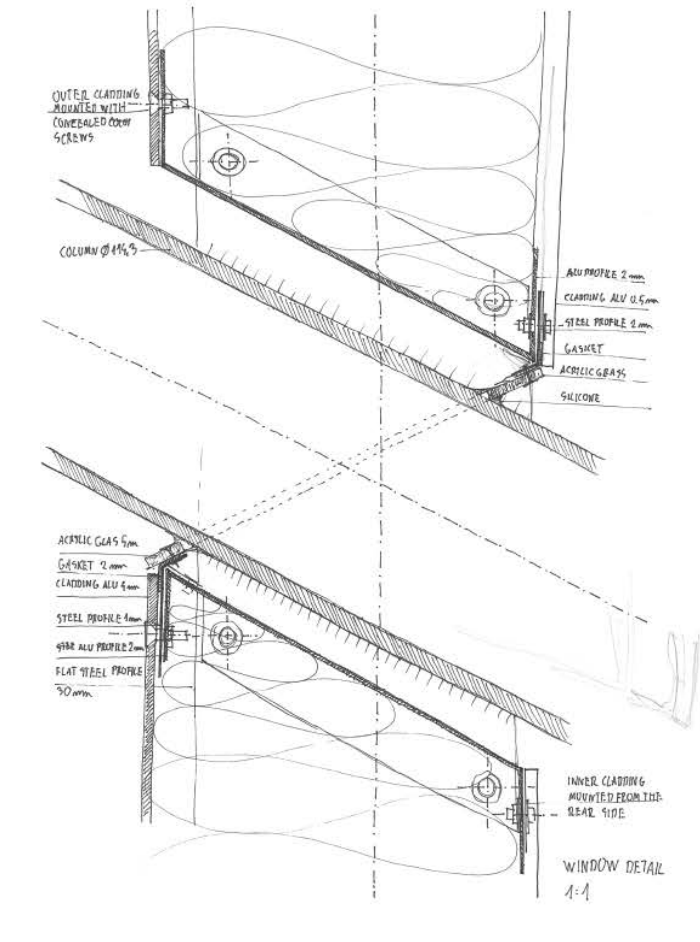
1. Main grid UPE 140



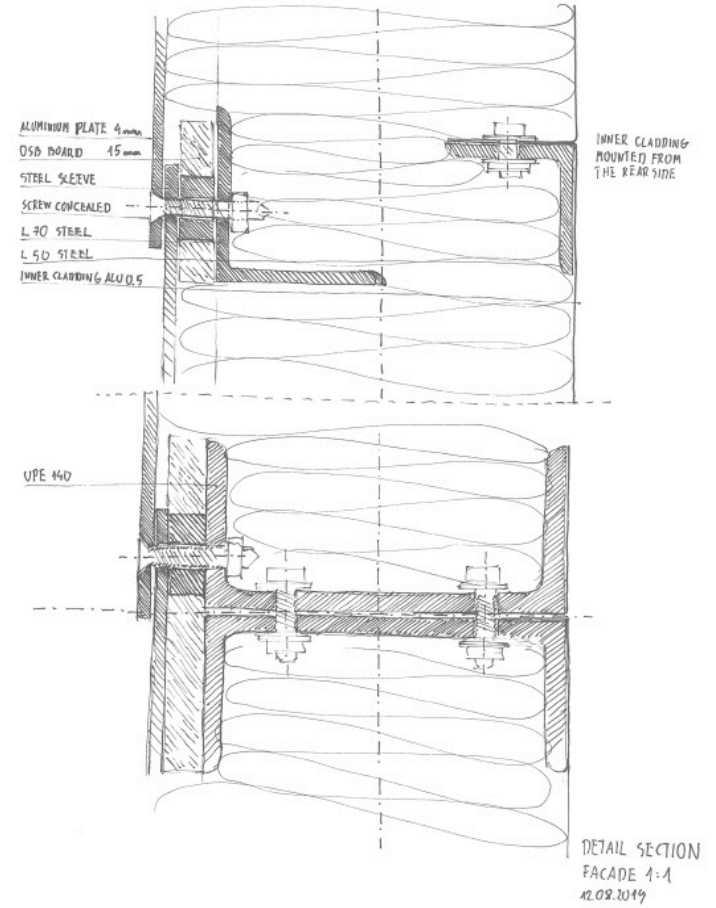
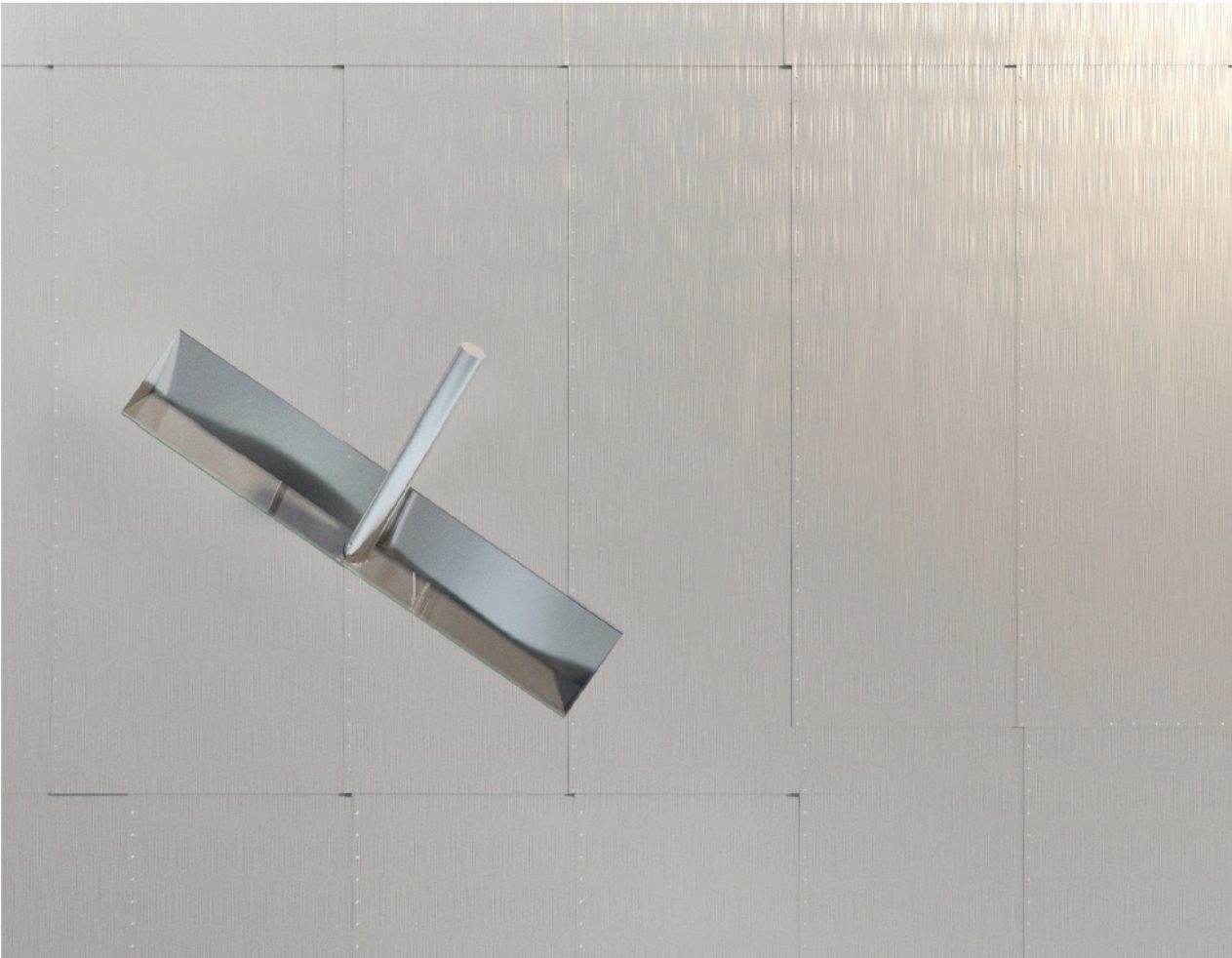
2. Window frame steel sheet 2 mm



3. Understructure cladding L70, L50



Option 1, detail 1:2

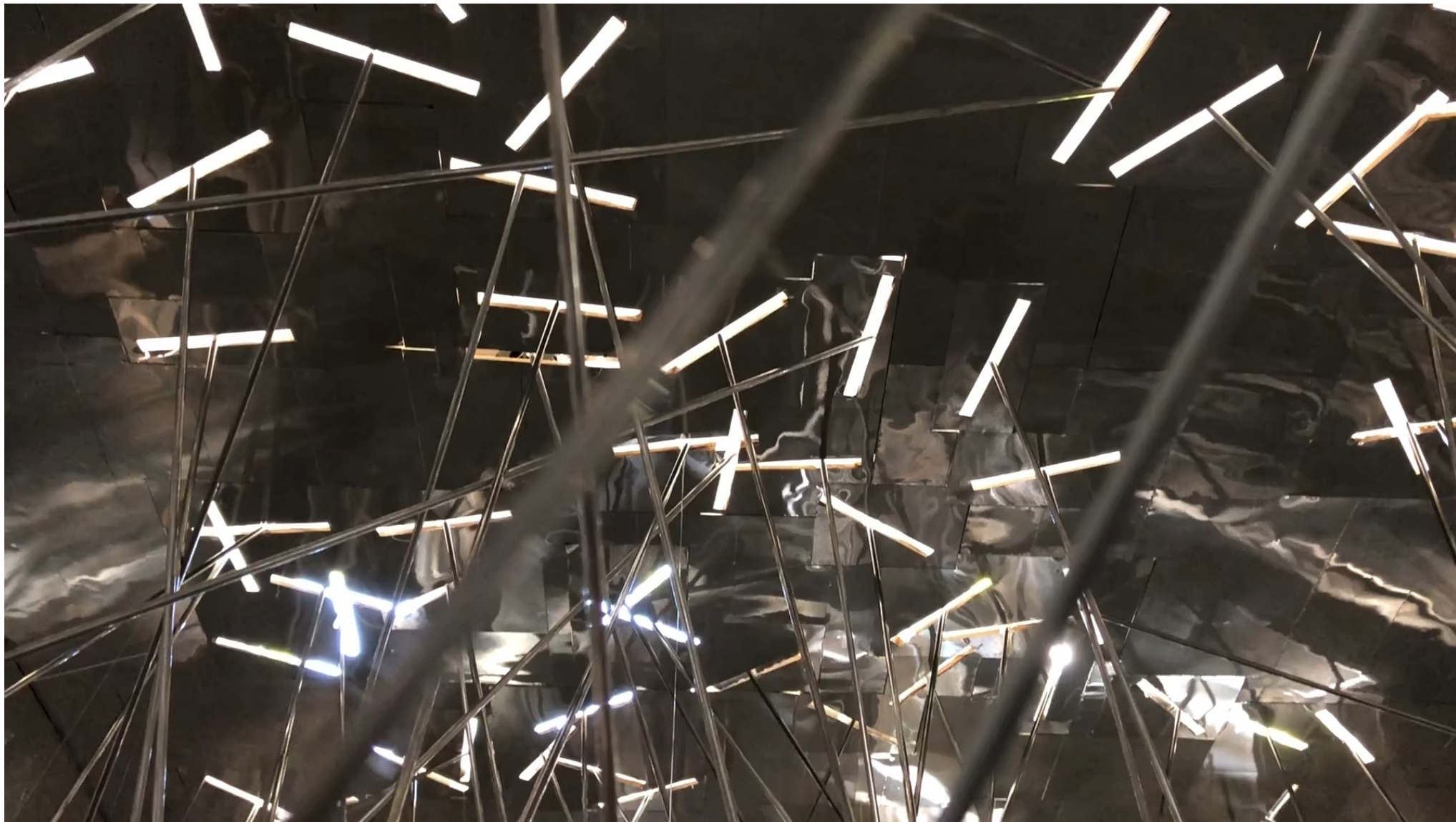














*„Das Schwierige liegt darin, die Seele des Dichters mit dem Wissen und der Erfahrung des Technikers in Einklang zu bringen. Noch schwieriger ist es, die Umwelt zum Verständnis der Werte zu erziehen, welche aus der Verbindung von Dichter und Techniker entstehen können.“*

Pier Luigi Nervi, 1934

