

Structure as Reinforcement of Design Concepts and Architectural Qualities

Structure can be 'read' and may 'speak'

'A column 'plays a pivotal role in the building' and 'establishes structure as a primary ordering device in the architecture of the School and has the palpable effect of anchoring the life of the School.'

Fontein

Structure can be 'read' and may 'speak'

'It is impossible not to read the arches [of the Tama Art Library] as a sign, a reference to a recognizable form in the repertory of classical architecture. They are that, but they are many other things, too..... Ito produces work that is richer and more nuanced precisely for its capacity to hold these multiple readings in a delicate equilibrium.'

Stan Allen

Structure can be 'read' and may 'speak'

Philosopher Alain de Botton argues that since objects in a gallery speak, and pencil lines on paper can convey emotions like peacefulness and confusion, it should come as no surprise that buildings and the exposed structures that support them also speak. Botton notes how 'we can be moved by a column that meets a roof with grace'.

The search for design concepts

- Literature reviews
- 'Read' concepts and qualities from existing works of architecture
- Categorize and sort

Architectural concepts

Order – chaos

Stability – instability

Static – dynamic

Grounded – floating

Architectural qualities

Simple – complex

Open – closed

Light weight – heavy

Soft – hard

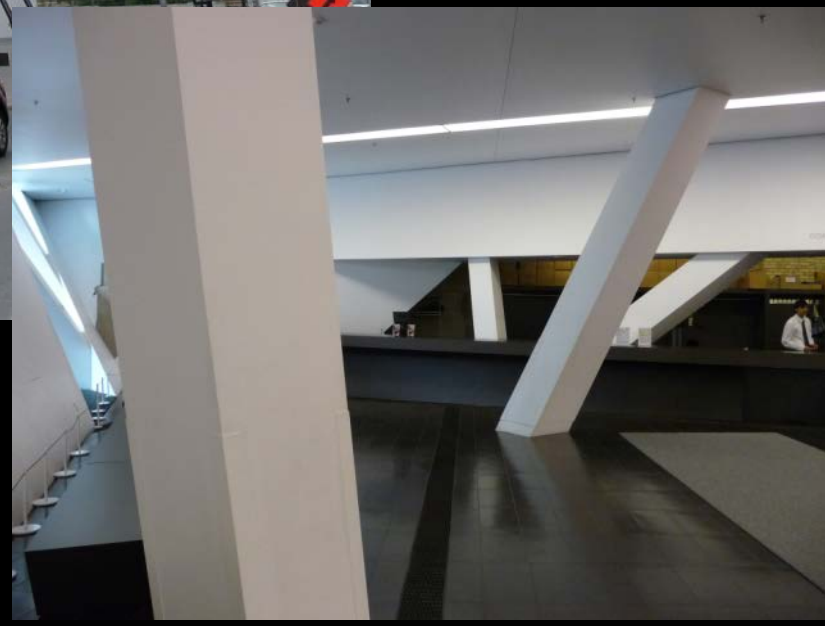
Elegant – rough

Order – chaos







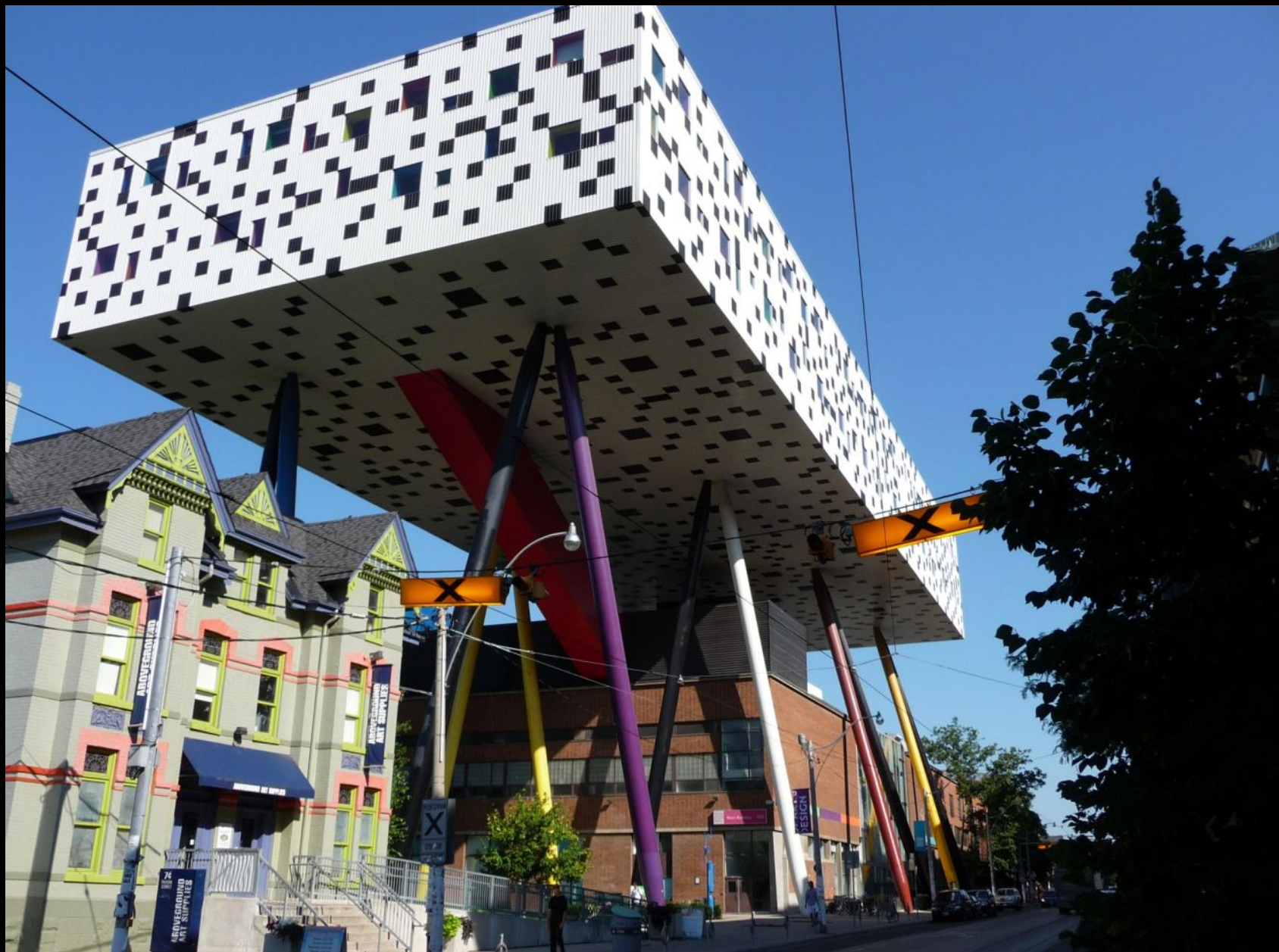


Stability – instability









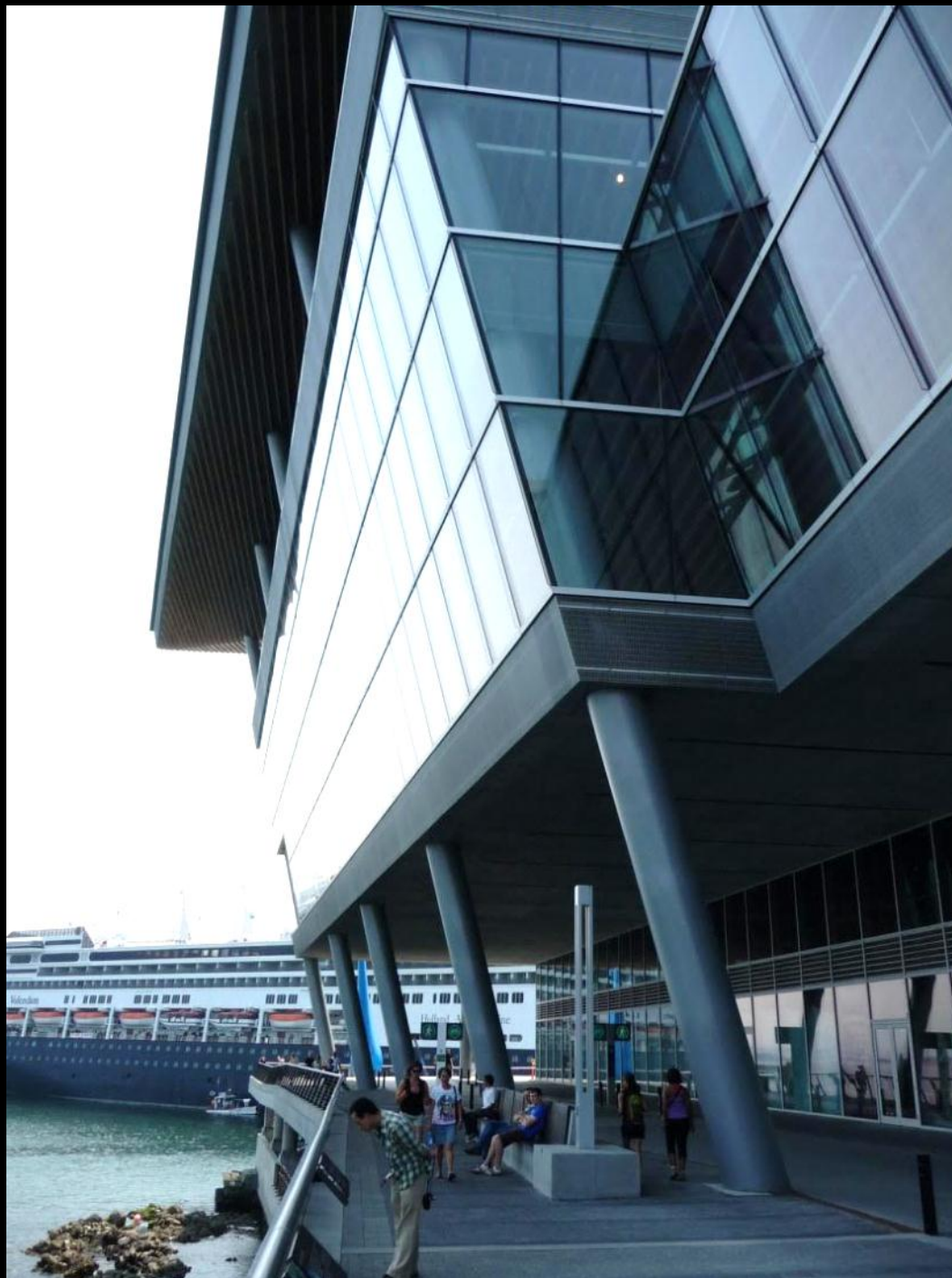






Static – dynamic







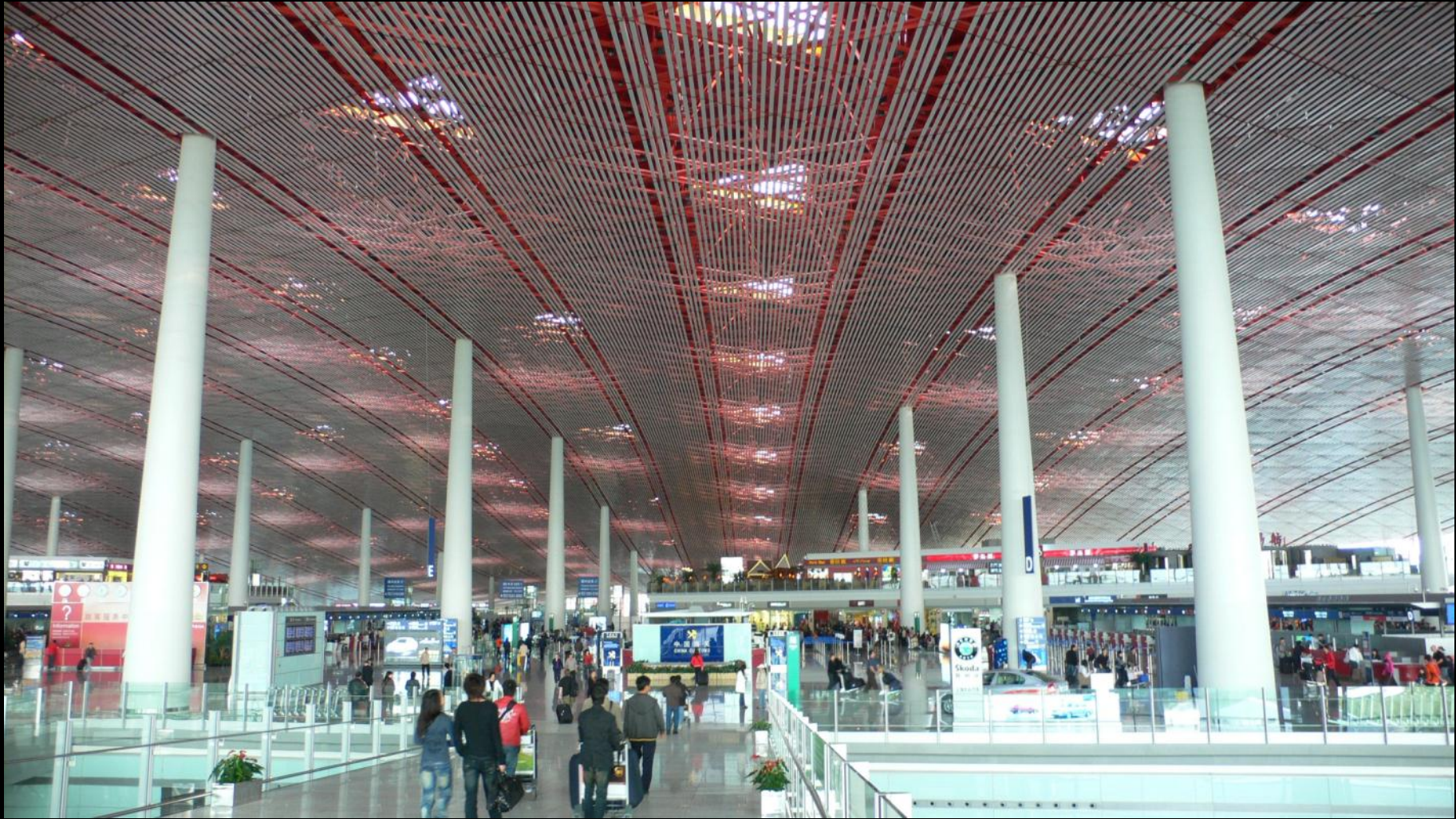




Grounded – floating















Architectural qualities

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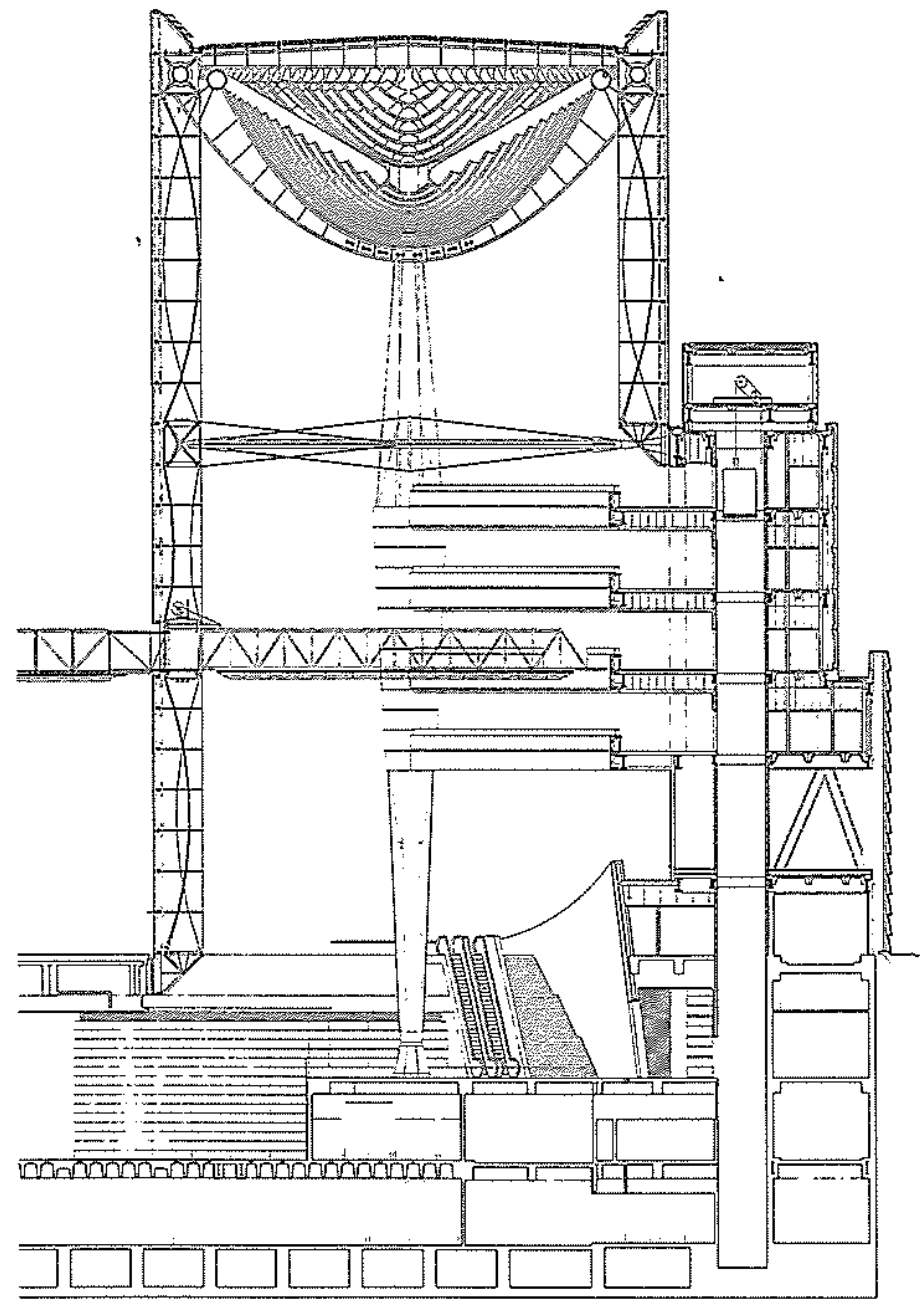
Open – closed





Light weight – heavy



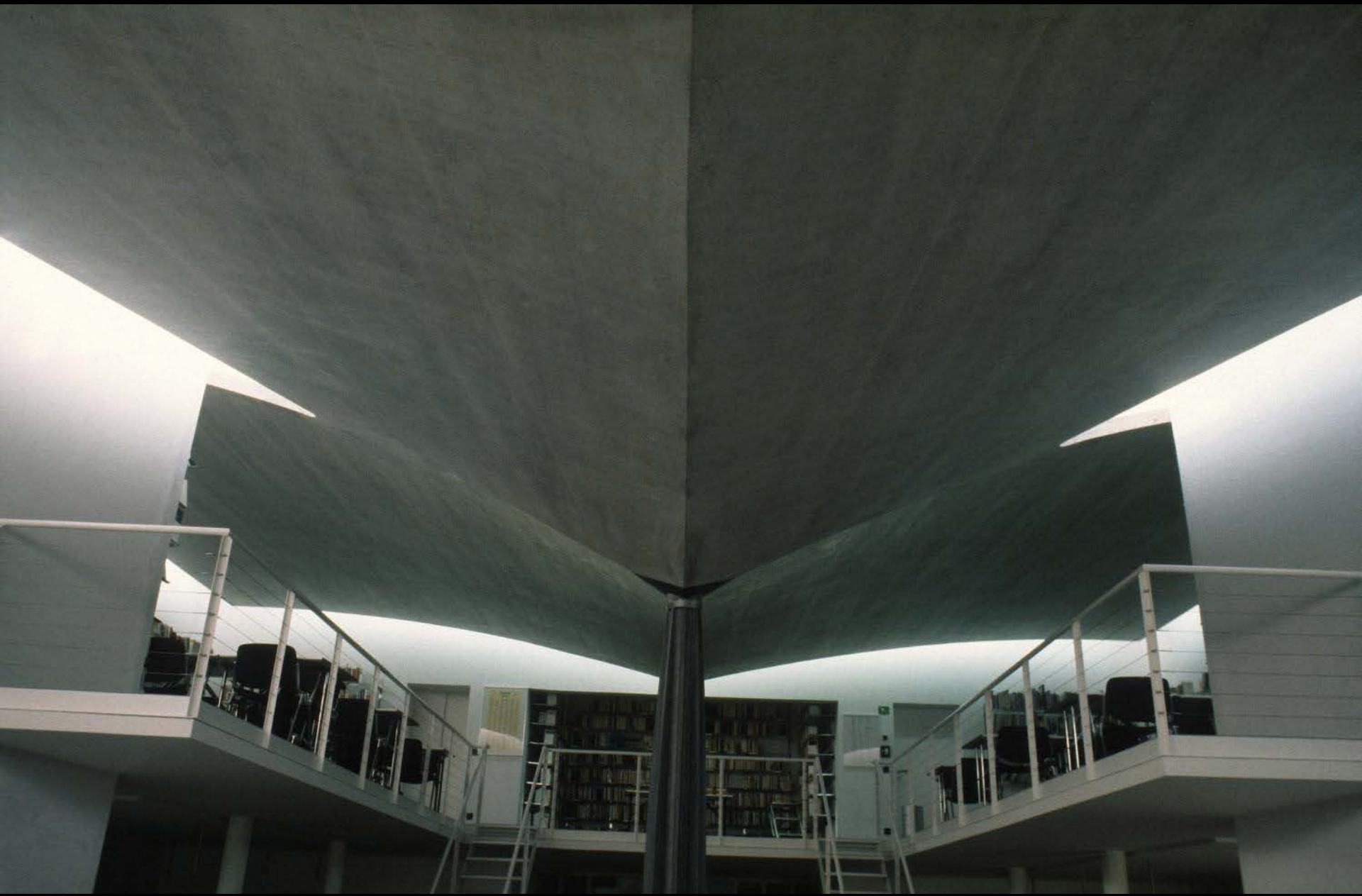


Section of the glass hall.













Soft – hard

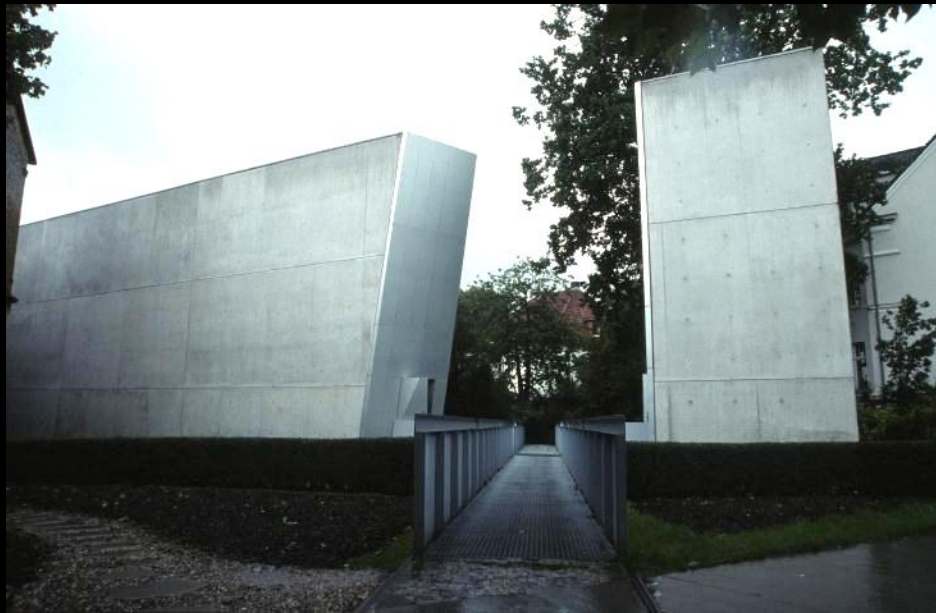












Elegant – rough









Conclusions