

**AUT 274**

**LUZ, ARQUITETURA E URBANISMO**

**2º semestre de 2017**

**Luz e forma:**

**Efeitos da luz direta e da luz difusa  
na forma arquitetônica**

# PARA OS EFEITOS LUMINOSOS

- Tipo de Céu e Orientação solar
- Proporções do espaço interno
- Forma, tamanho e posicionamento das aberturas
- Característica de transmissão luminosa da vedação das aberturas
- Forma do espaço interno
- Desenho e revestimento de refletores internos e externos
- Cores



**Assembleia Nacional do País de Gales**



**TRANSITIONAL SPACES  
SOLAR SHADING AND ENVIRONMENTAL  
QUALITY IN MODERNIST BUILDINGS**

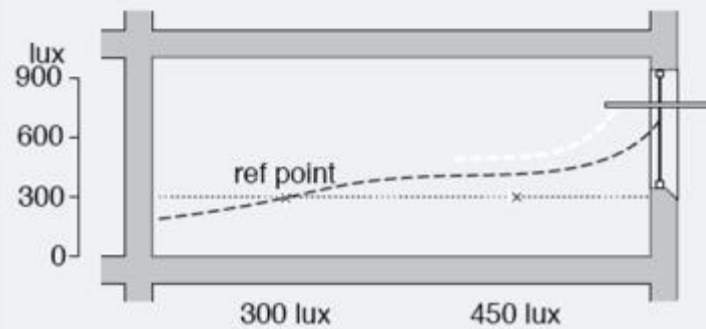
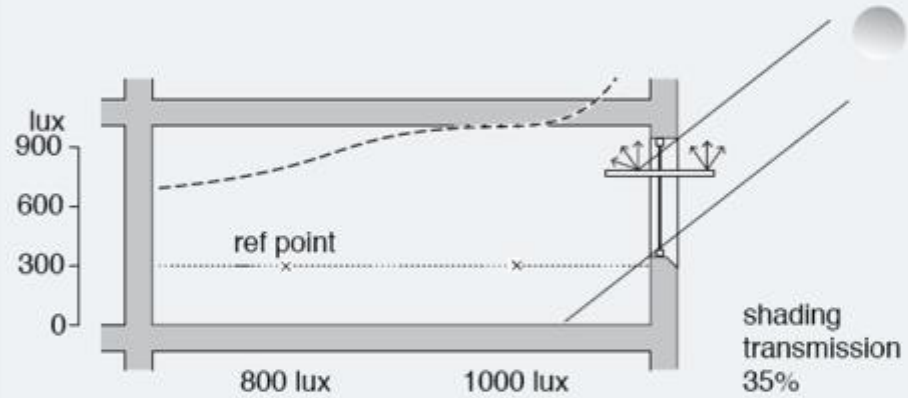
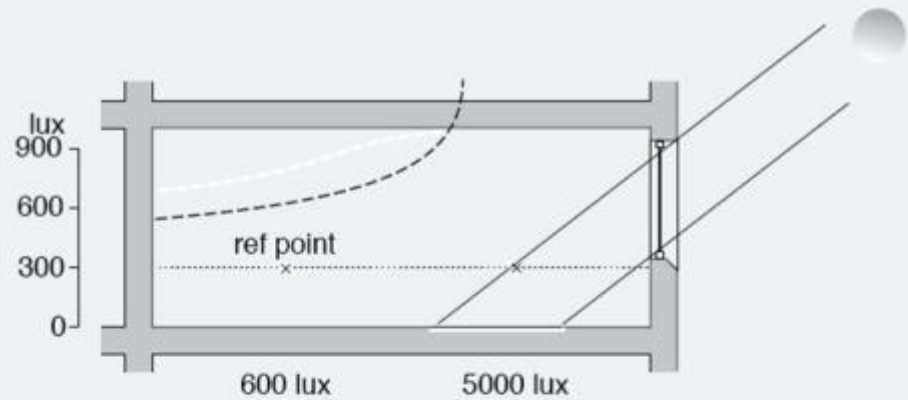


## Museu da Bauhaus, Berlim, Alemanha



**LUZ LATERAL**

# Impacto da Luz Direta no ambiente luminoso



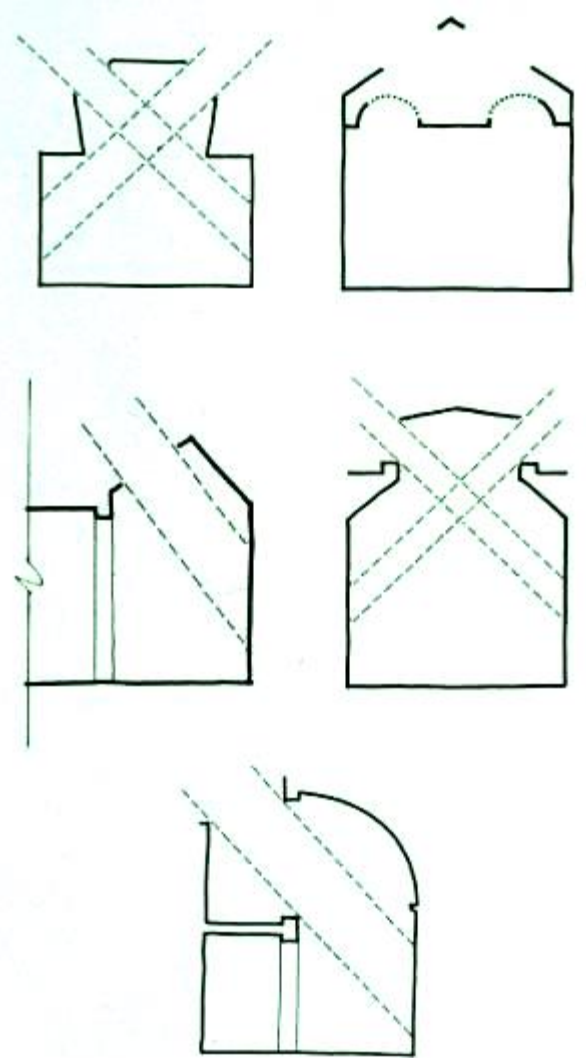


**LUZ ZENITAL**



Soane, Museum, London.

(Cockerell and Weissman 1895)



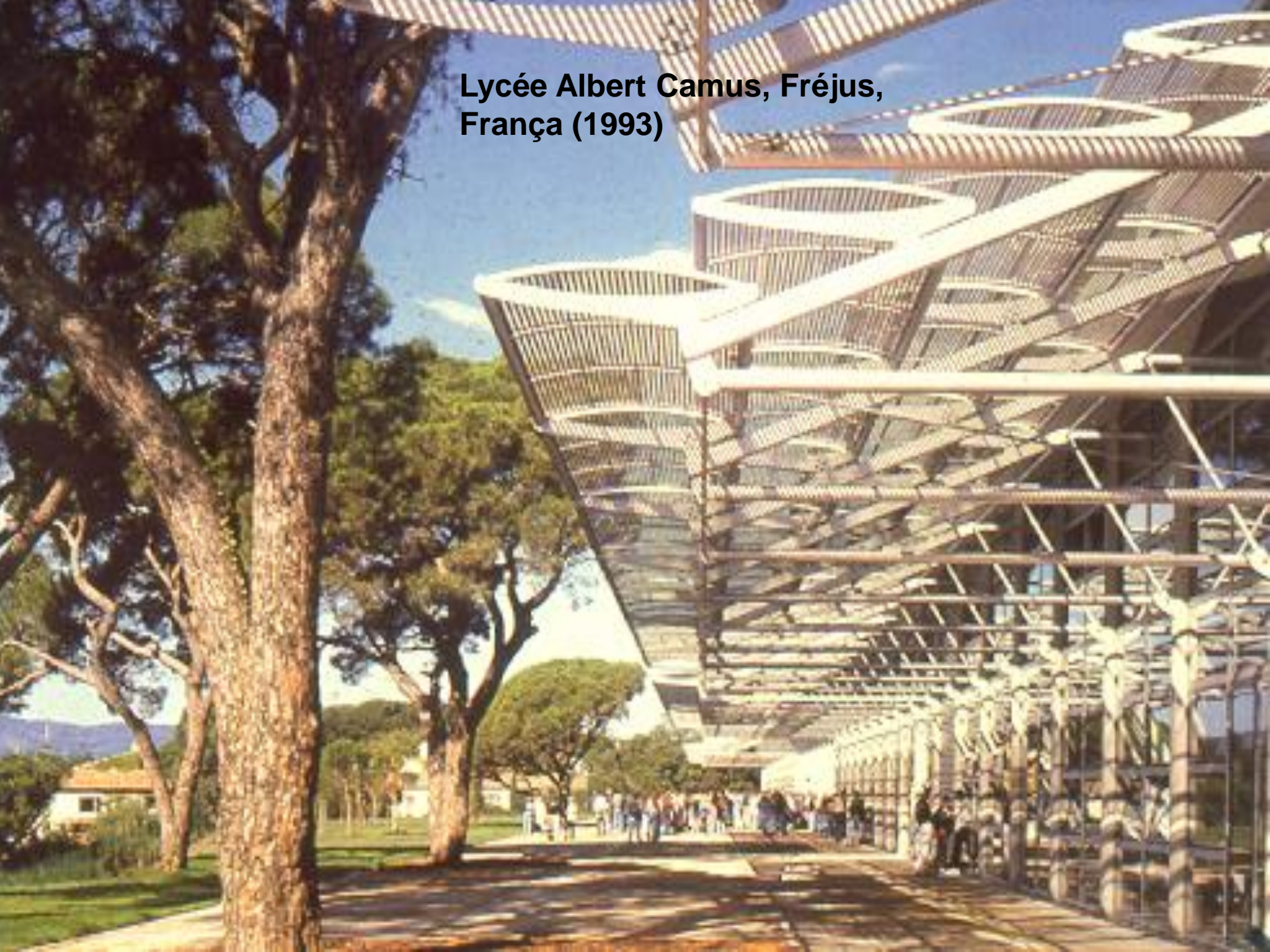


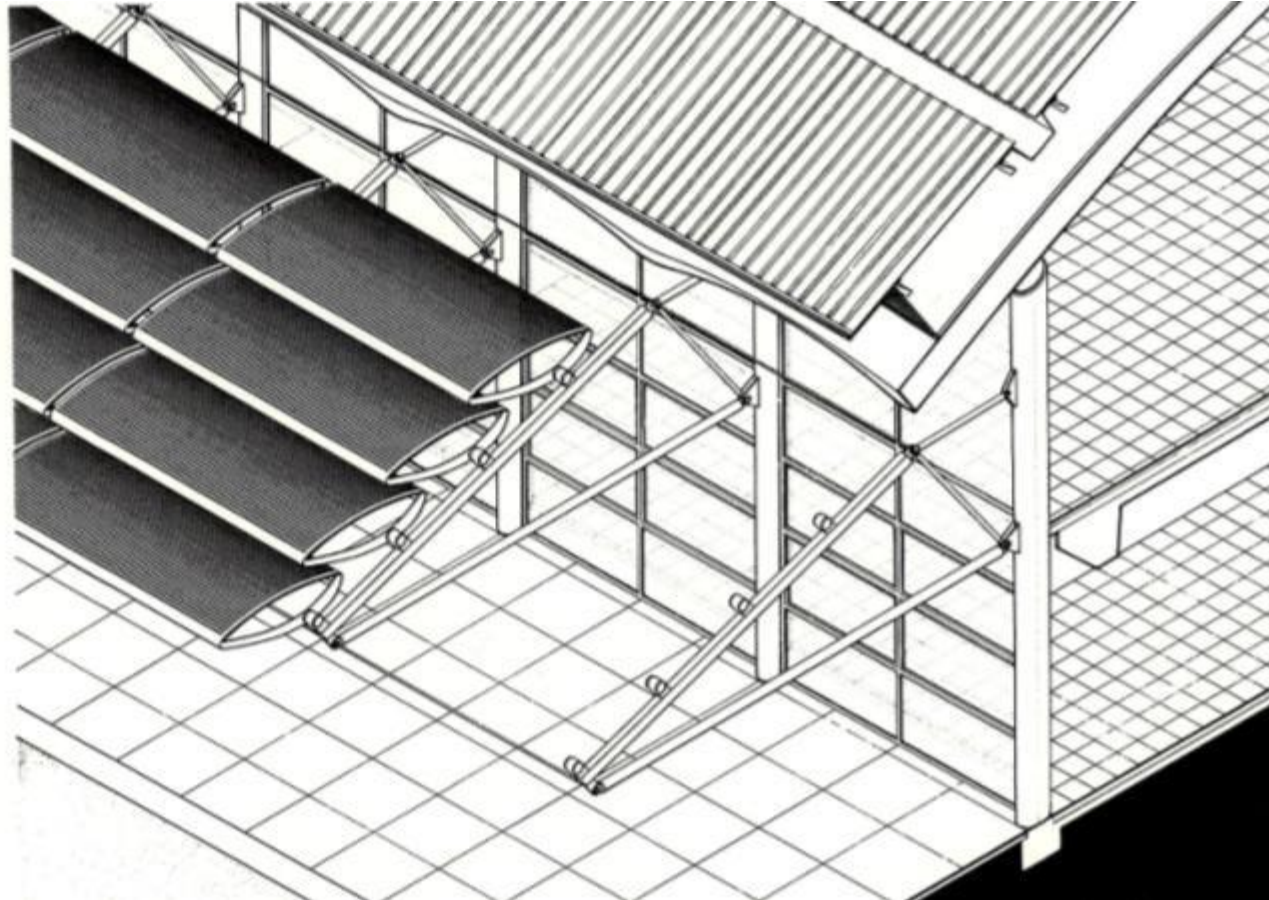
# Dulwich Art Gallery

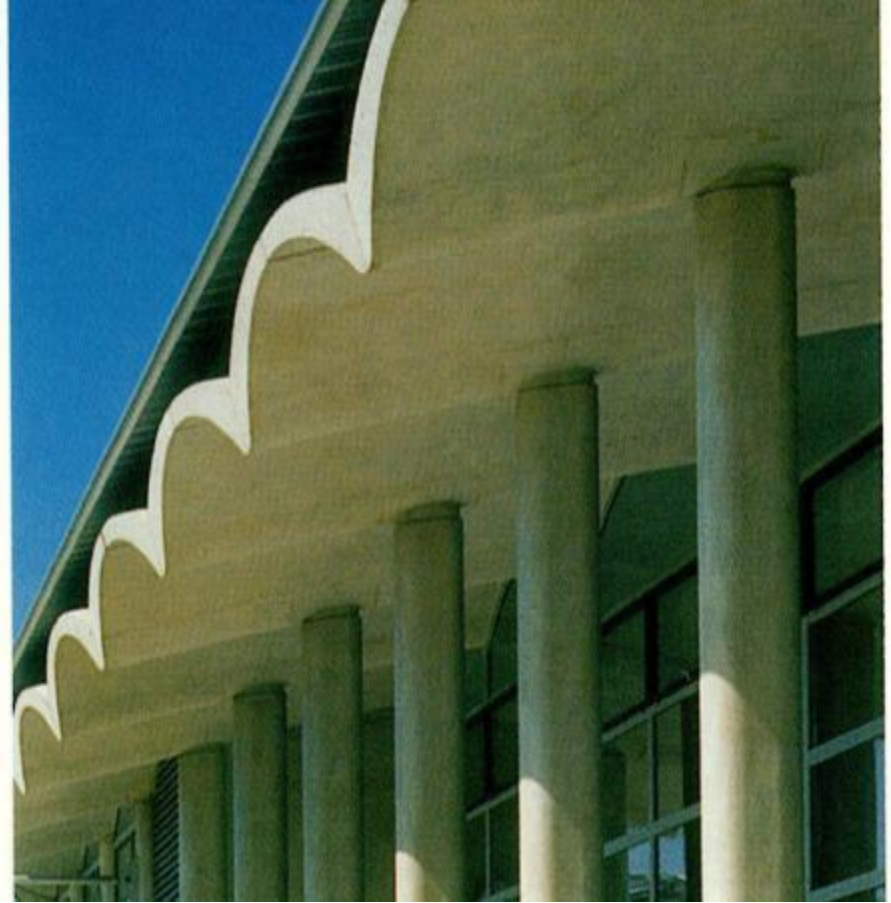
Londres

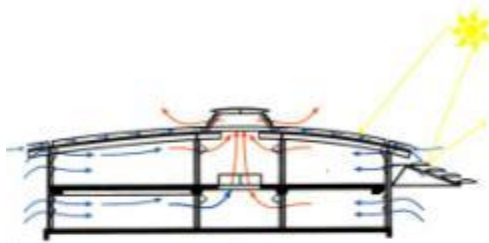
John Soane 1814

**Lycée Albert Camus, Fréjus,  
França (1993)**









12

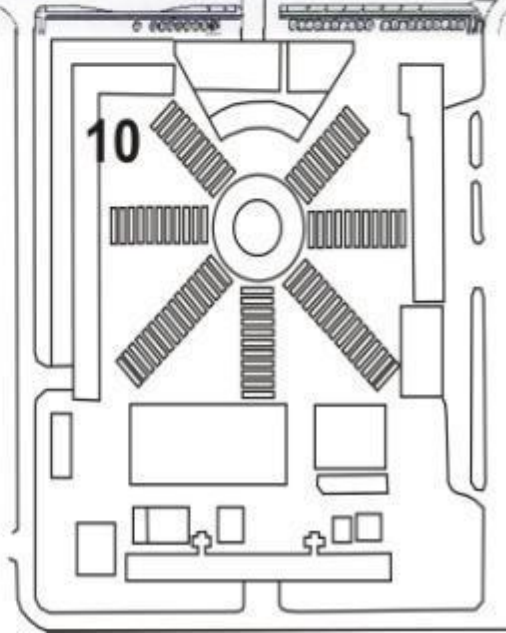


## Centro de pesquisas da Petrobras, Rio de Janeiro



### CENPES II:

- 1 Prédio Central
- 2 Laboratórios
- 3 Centro de Convenções
- 4 Realidade Virtual
- 5 Empreiterópolis
- 6 Oficinas
- 7 Orquidário
- 8 Planta Piloto
- 9 Restaurante
- 10 CENPES I





ALAS: D e H

ALA : G

ALA : F

ALA : A

NORTE

1=2% TELHA MET ZIPADÁ

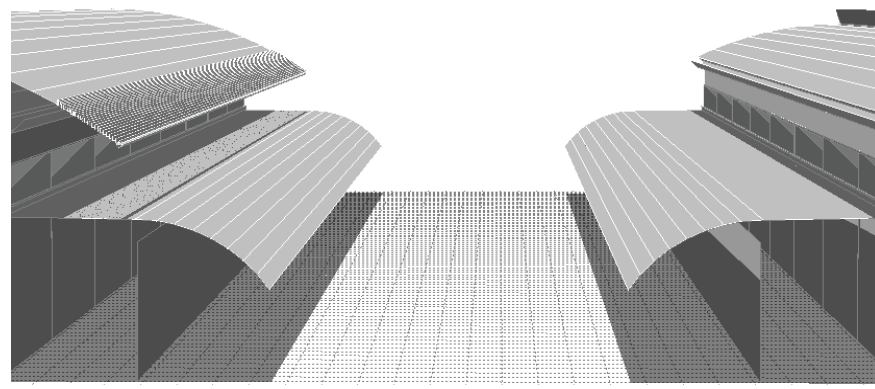
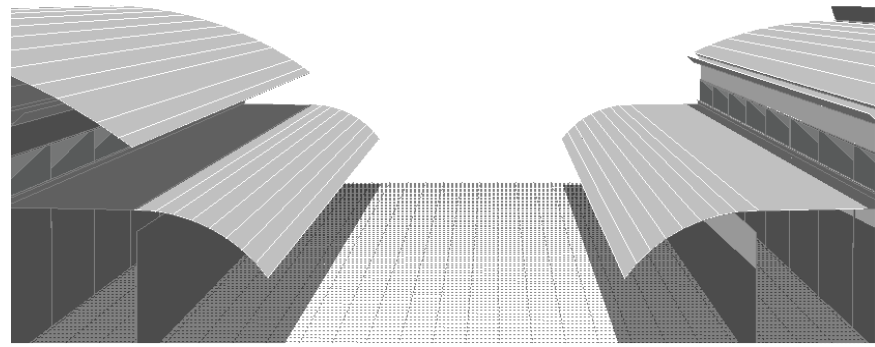
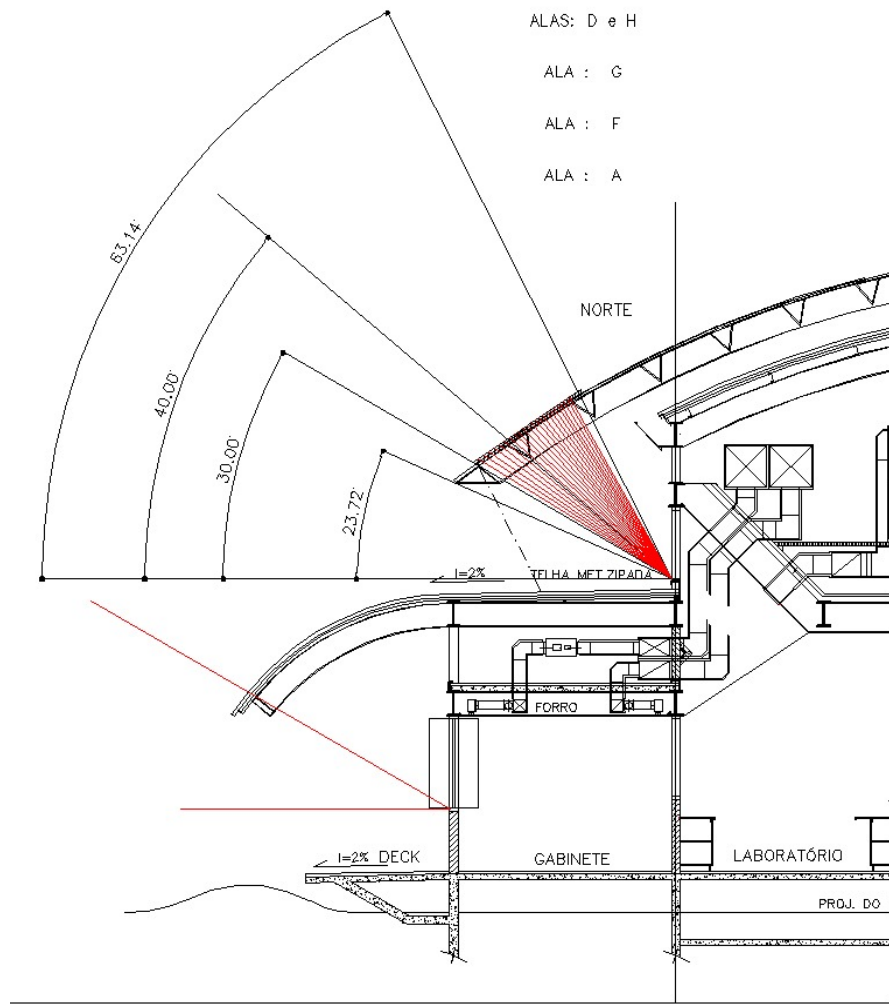
FORRO

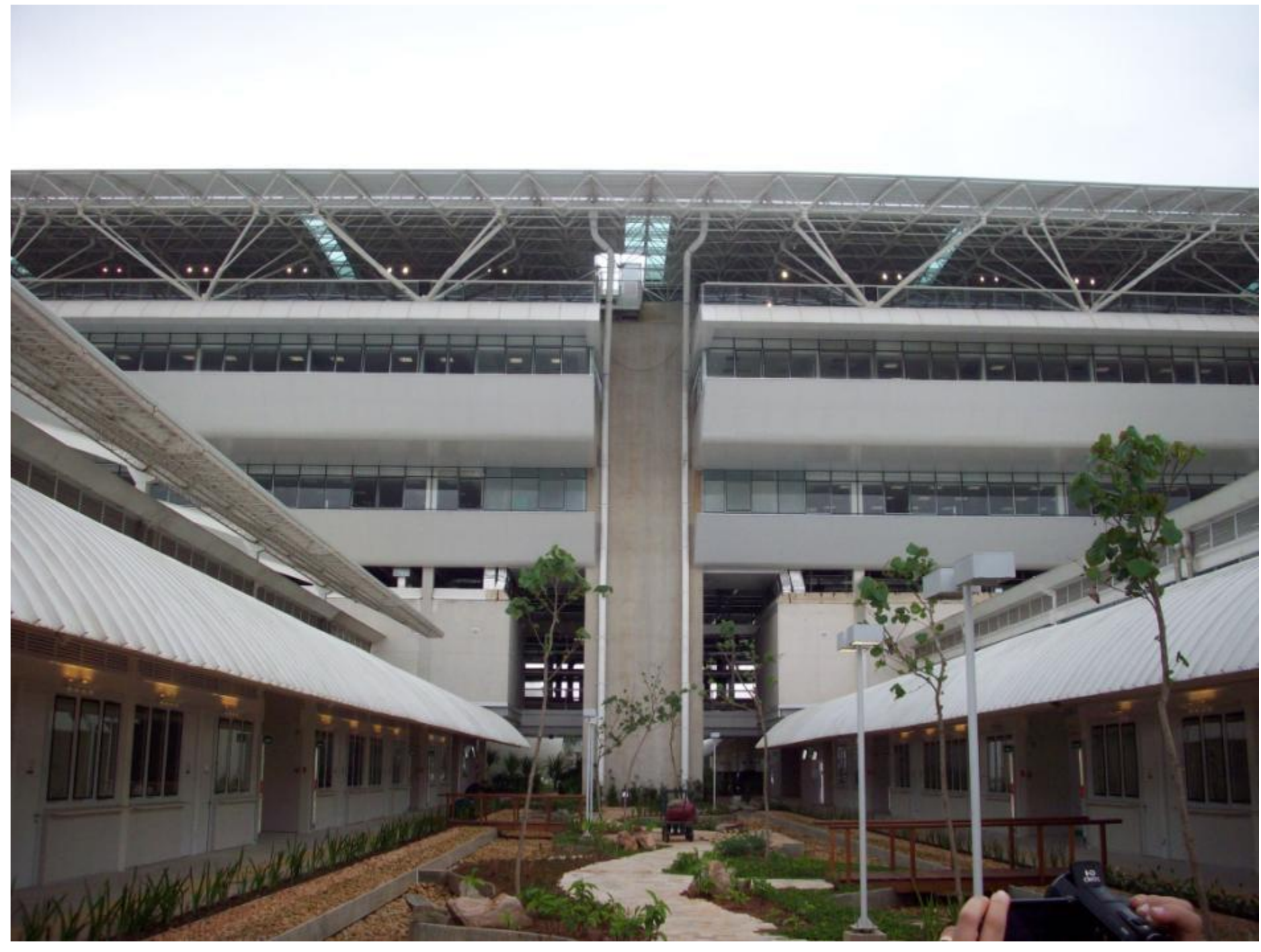
GABINETE

LABORATÓRIO

PROJ. DO

1=2% DECK

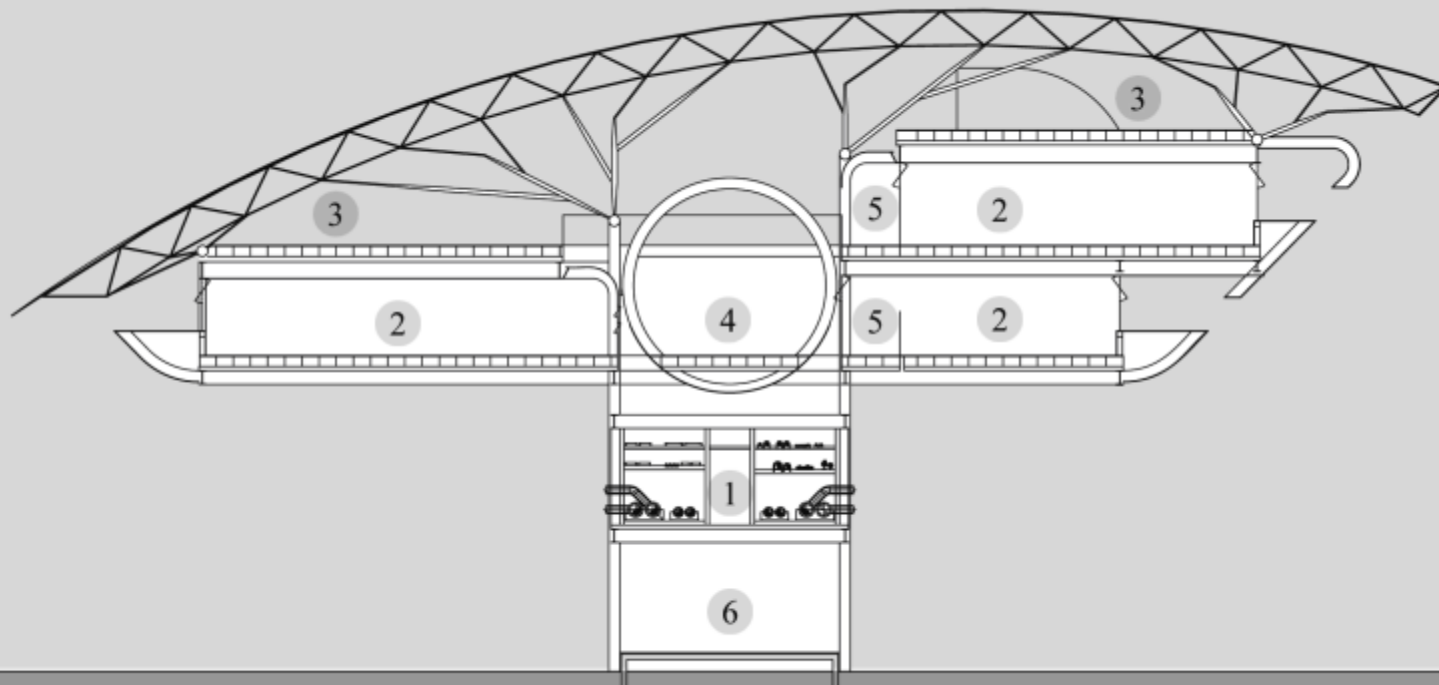






Oeste

Leste



- 1 *Pipe-rack*
- 2 Escritórios
- 3 Terraços
- 4 Circulação central
- 5 Circulação interna
- 6 Circulação do Térreo









**Bercy II Shopping Center, Paris, França  
(1990)**



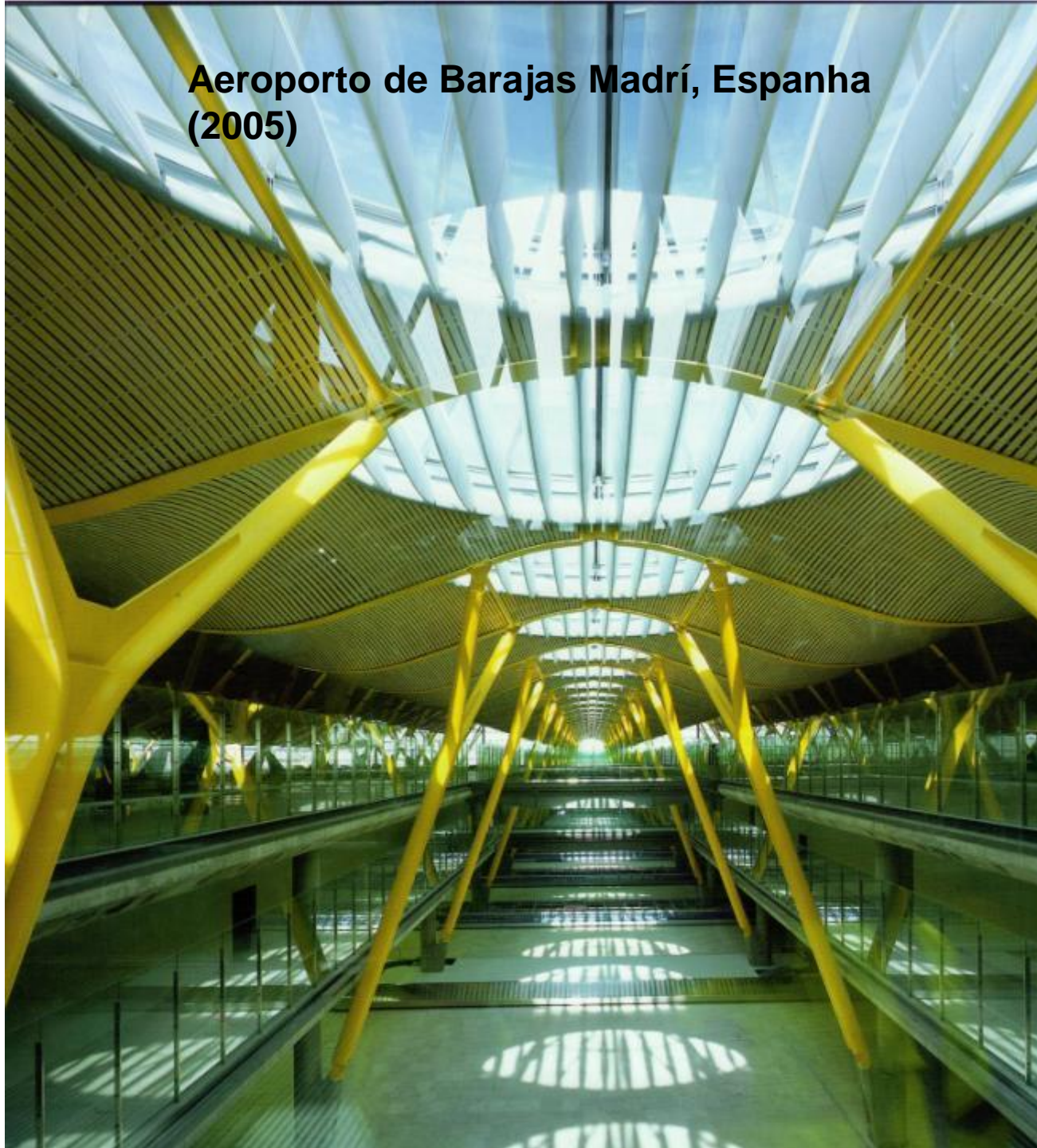
**Menil Collection Museum, Houston, Texas  
(1986)**







**Aeroporto de Barajas Madr , Espanha  
(2005)**





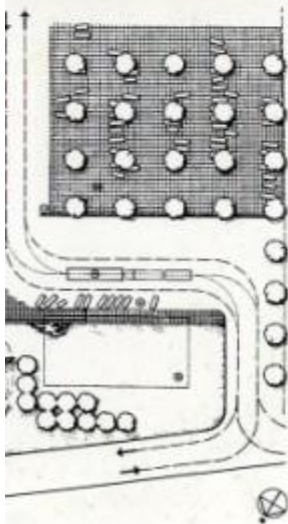


**Thomson, Factory, Guyancourt, França, (1991)**





**Lowara Offices, Vicenza, Itália  
(1985)**

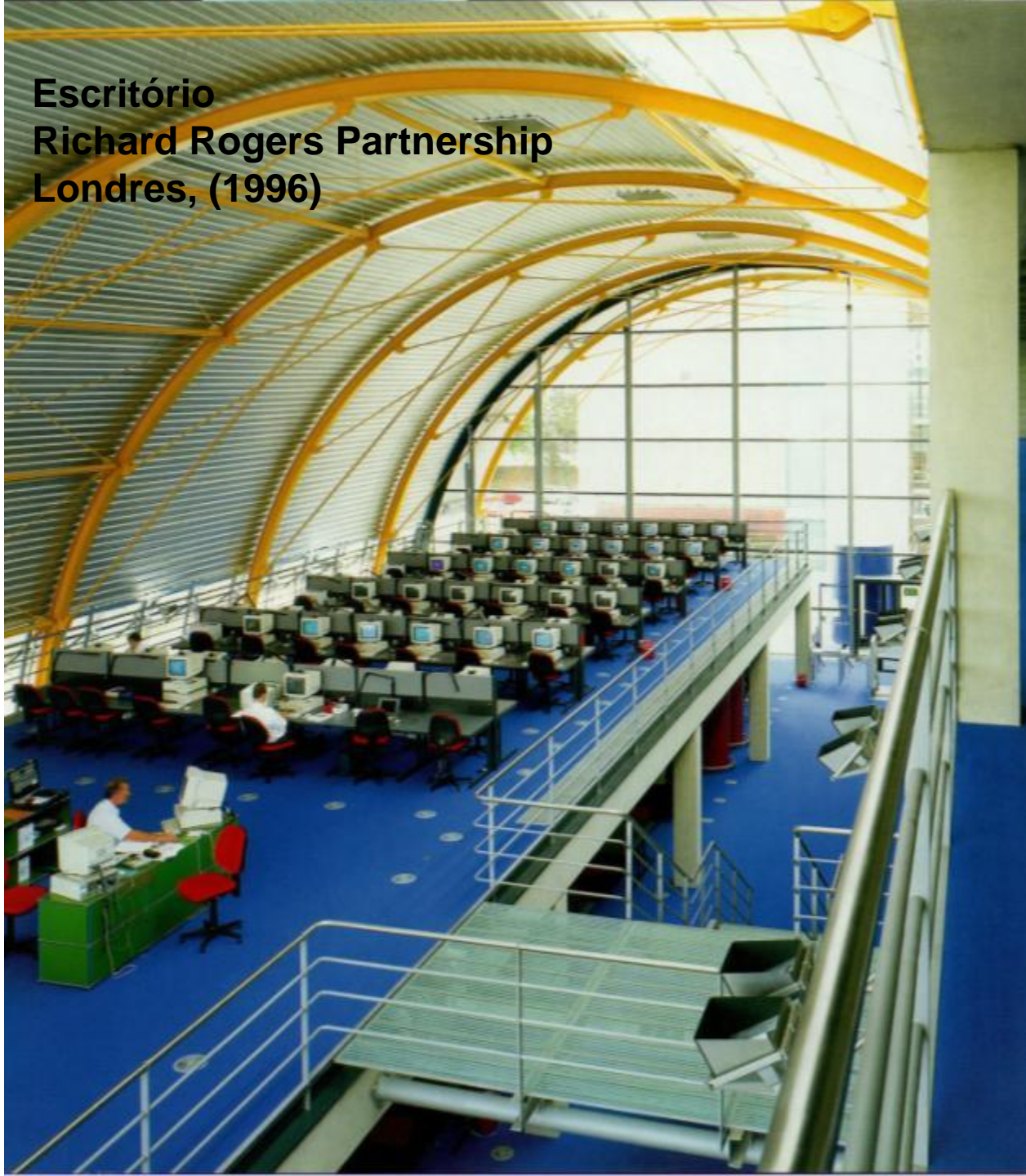








**Escritório  
Richard Rogers Partnership  
Londres, (1996)**



**Daimler Chrysler Office and Retail, Berlin, Alemanha, (1999)**



**Minami-Yamashiro Elementary School, Kyoto,  
Japão (2003)**

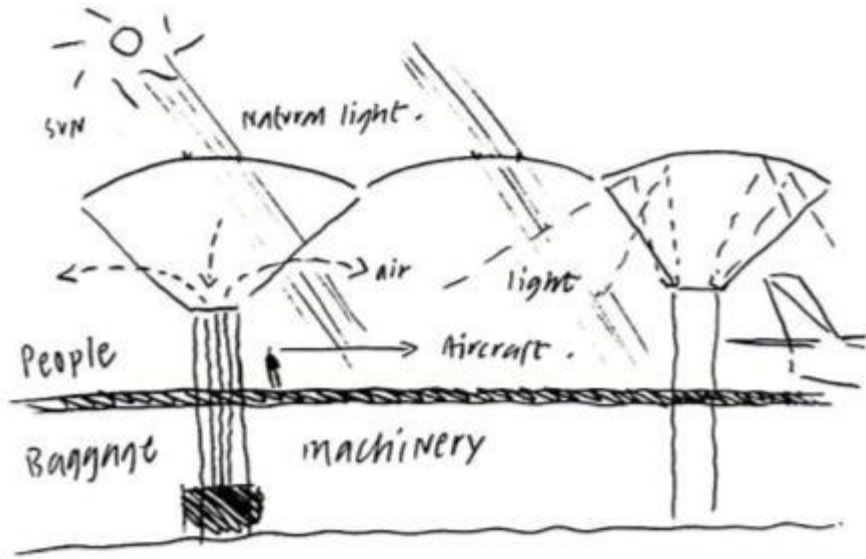




**Aeroporto de Stansted  
Stansted, Inglaterra, (1991)**







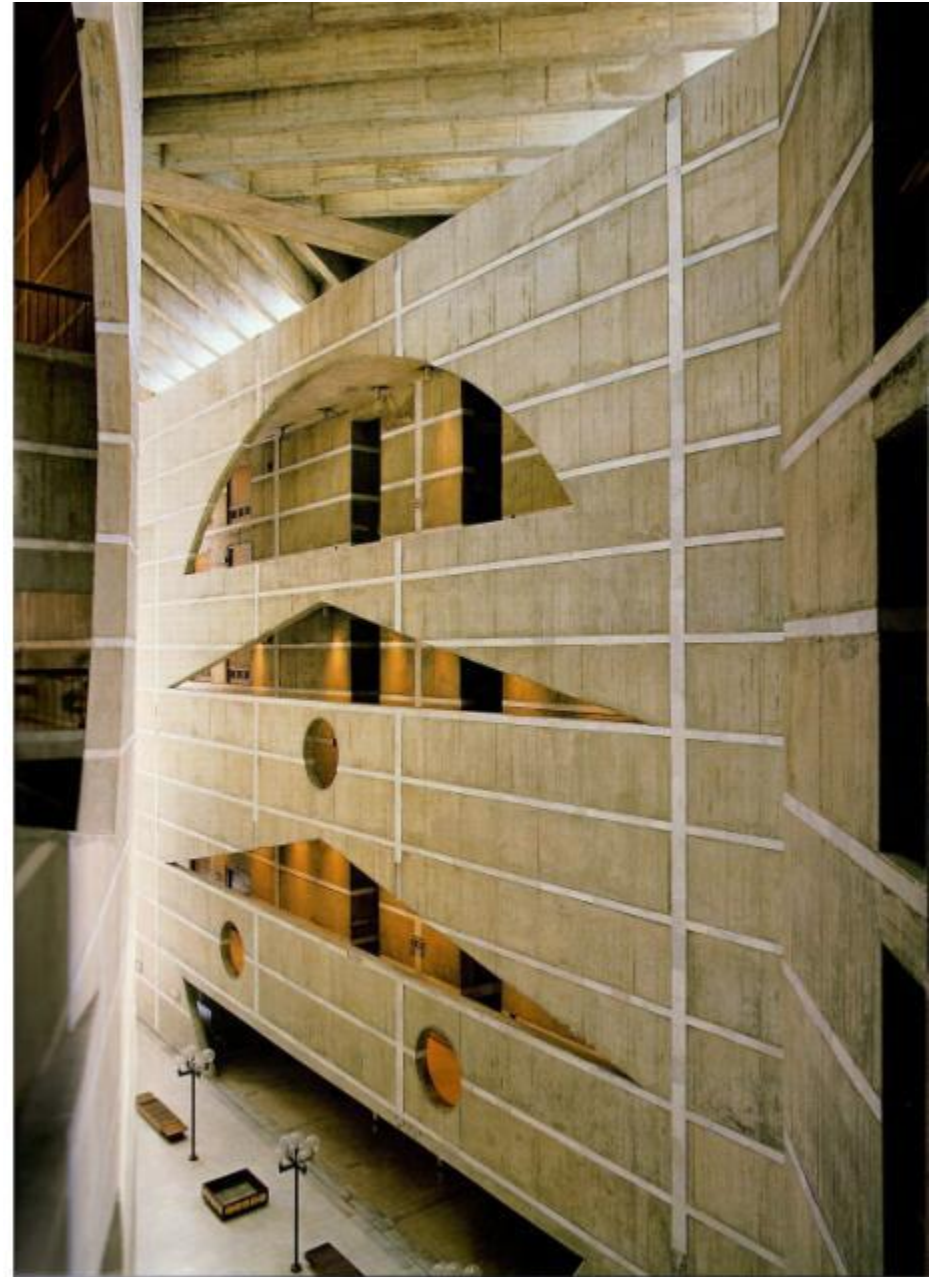
11





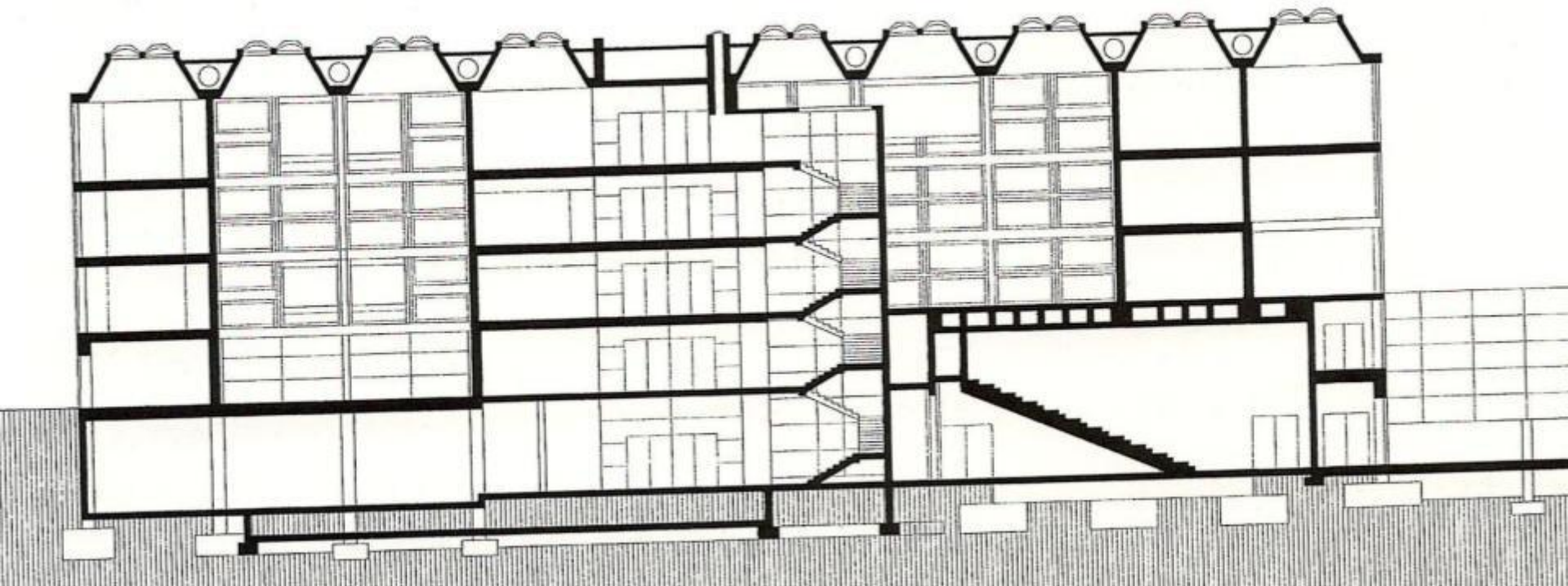


**Bangladesh National Capital, Dhaka  
(1962 – 1974)**

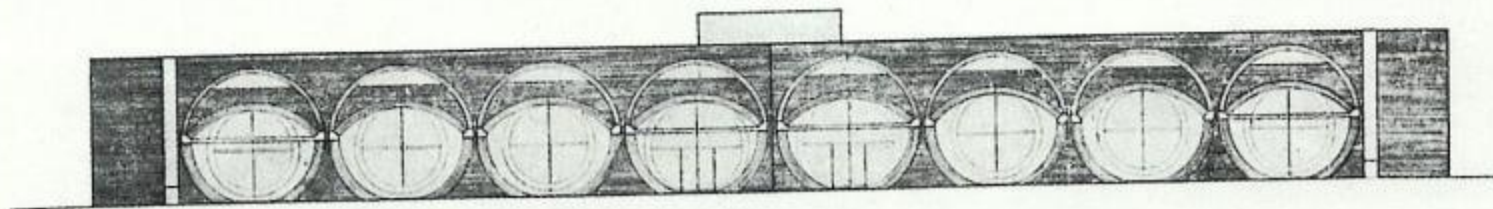
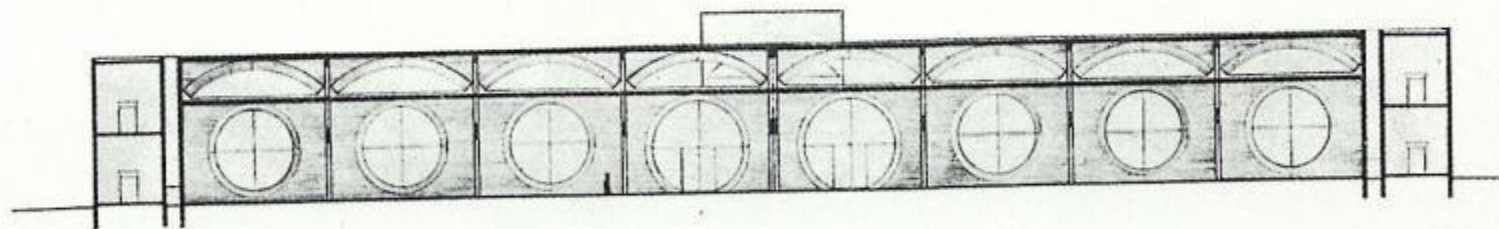
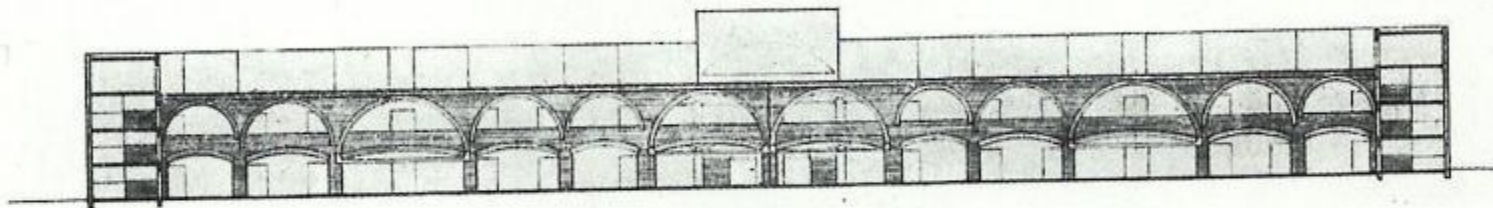
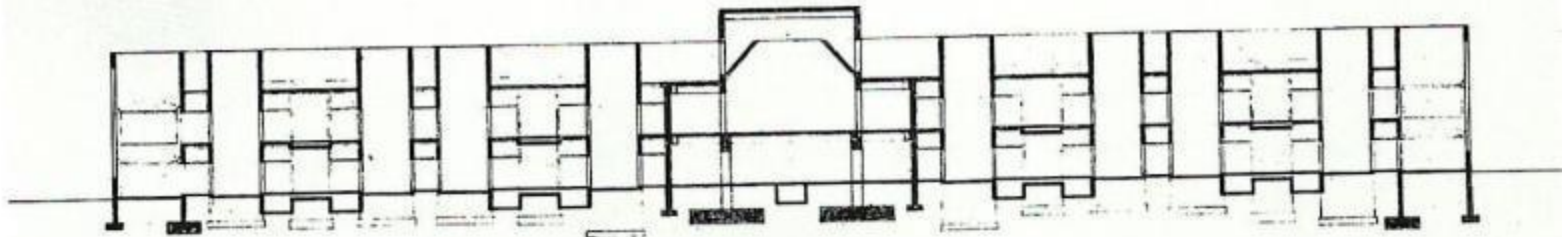








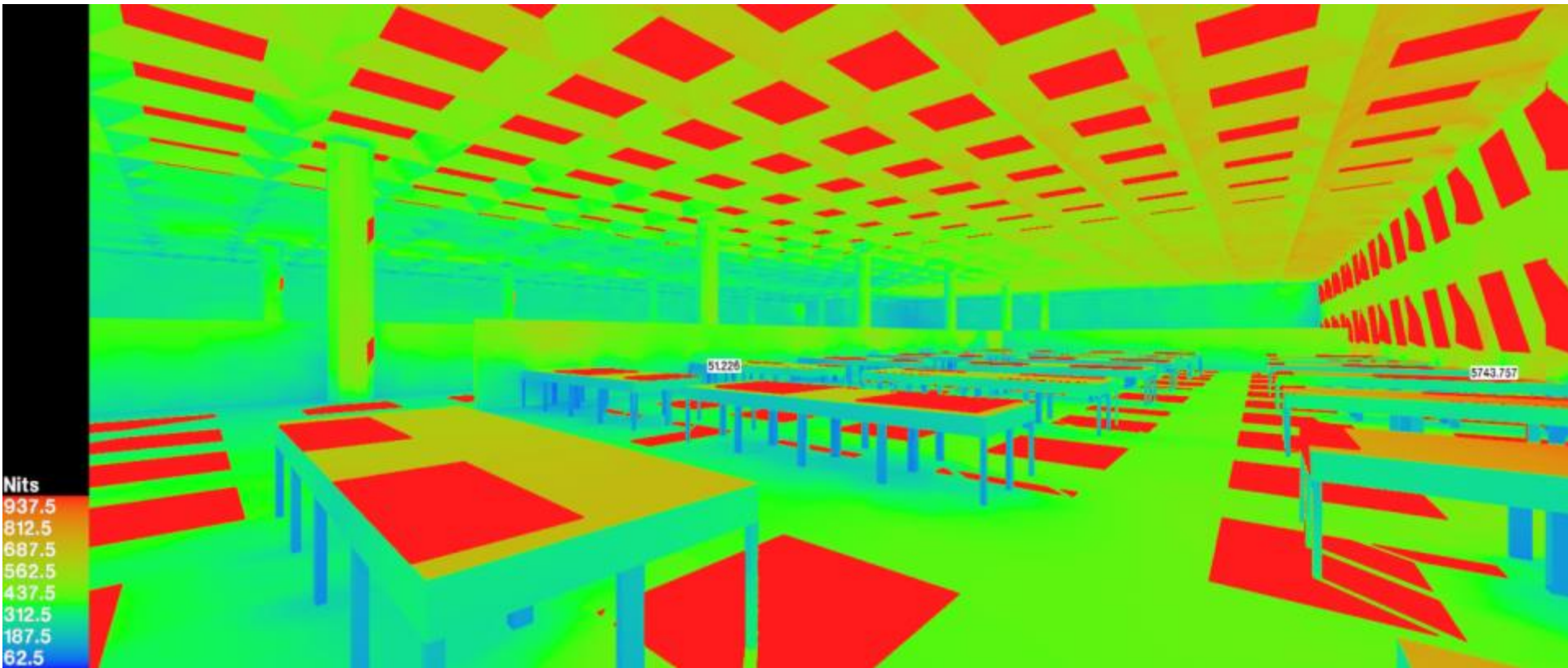
**Yale Center for British Art, New Haven, Connecticut  
(1969 – 1974)**







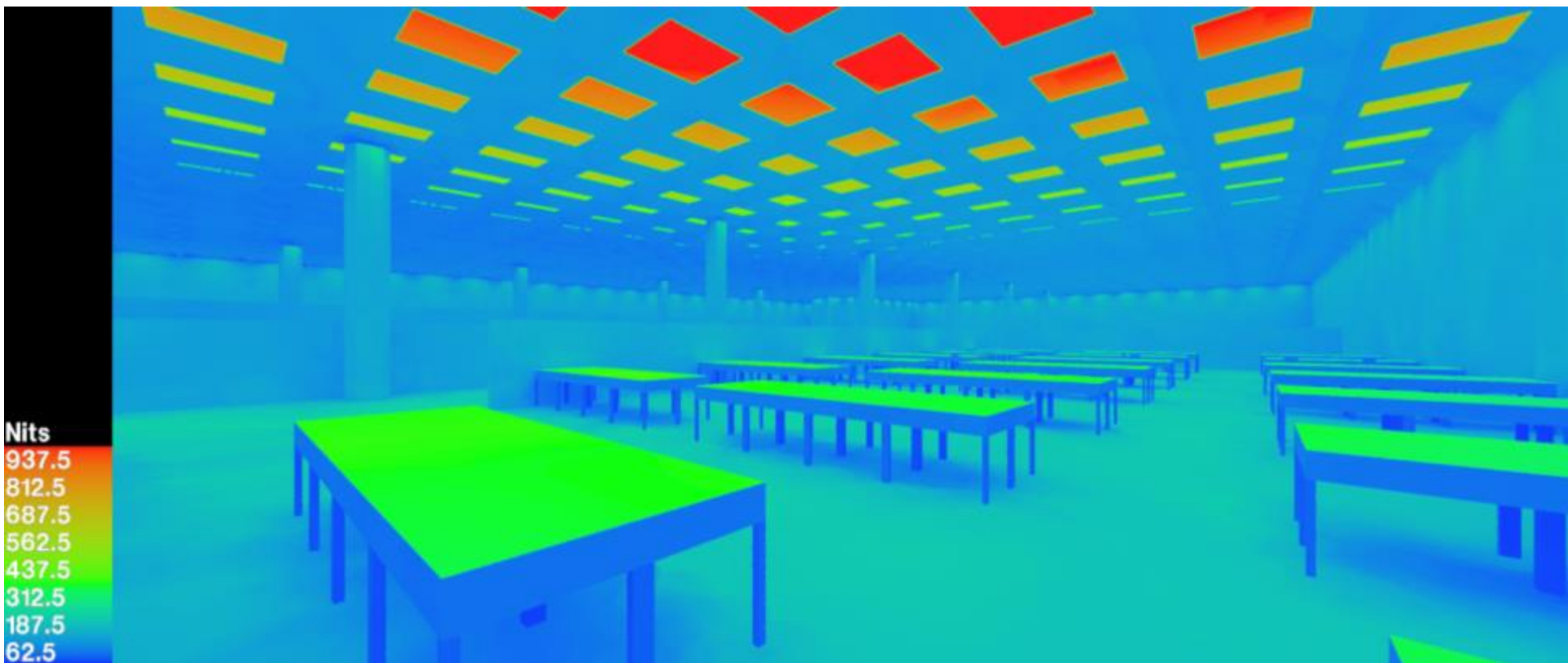
## Luminâncias em céu claro, 21 de março, 9h - Estúdio 3

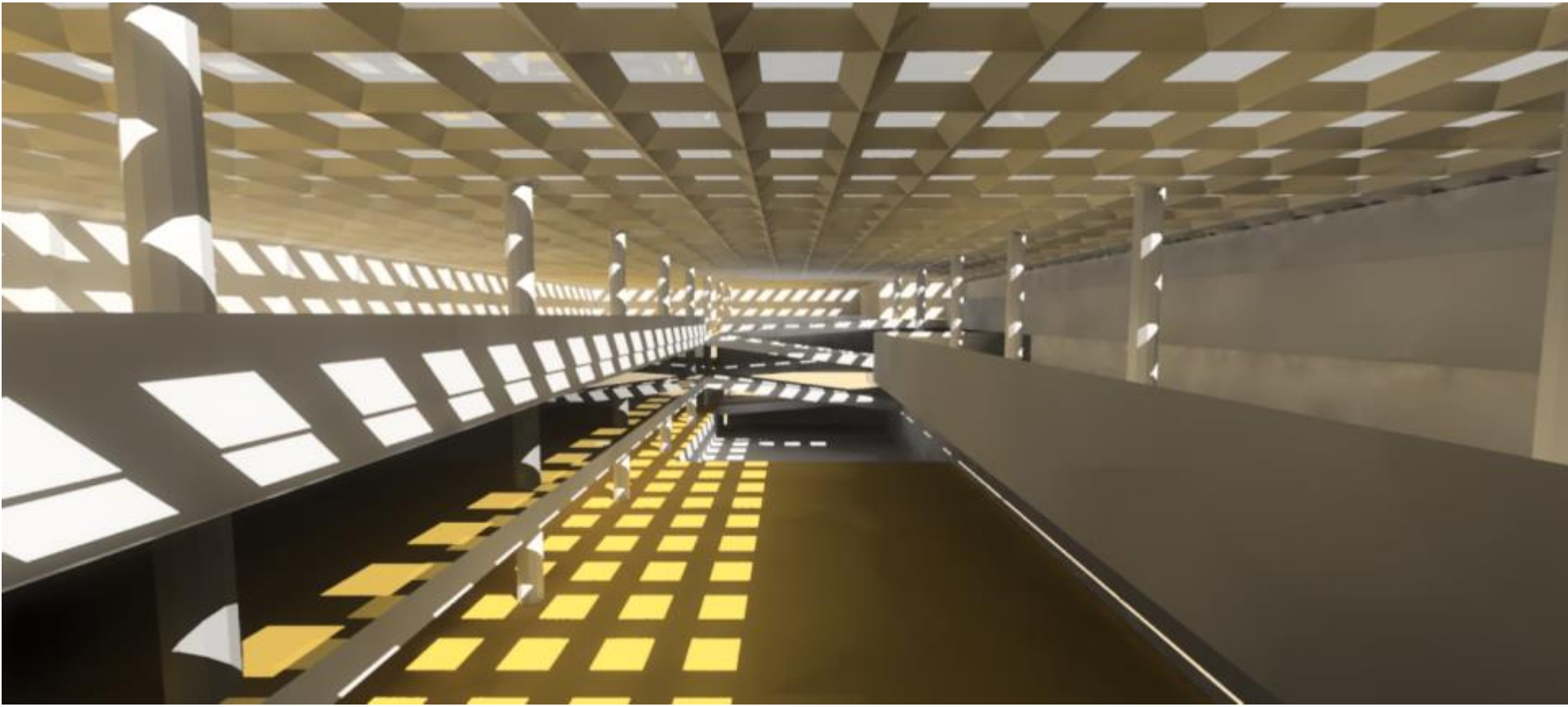




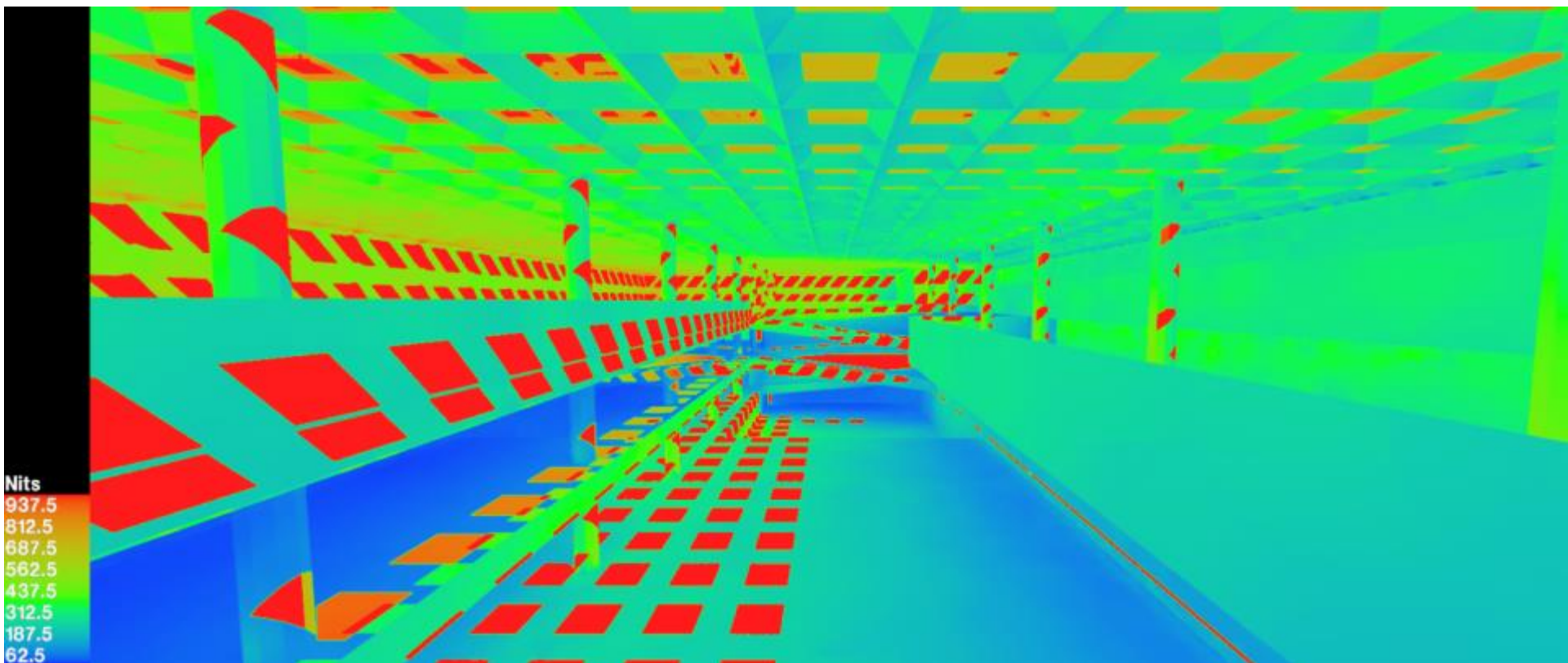


## Luminâncias em céu encoberto, 21 de agosto, 9h - Estúdio 3



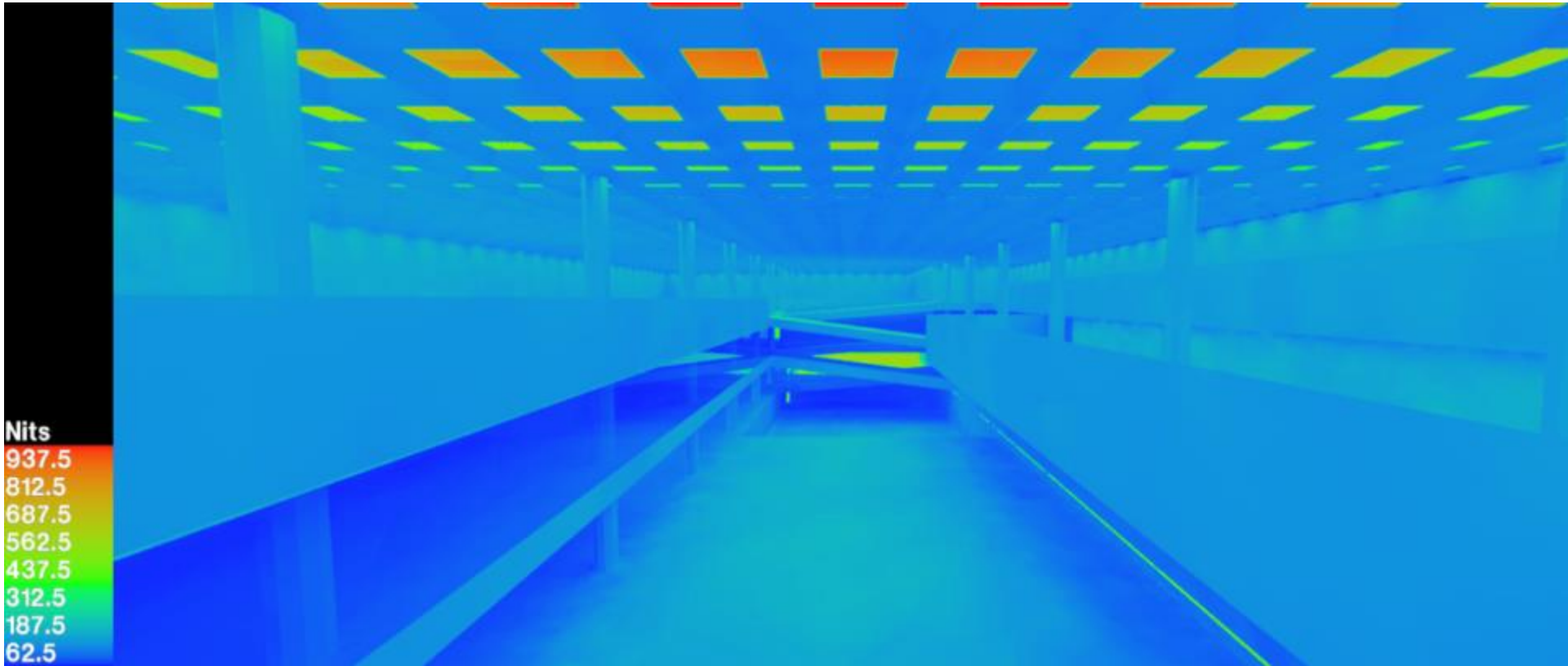


## Luminâncias em céu claro, 21 de março, 9h – Salão Caramelo





## Luminâncias em céu encoberto, 21 de agosto, 9h – Salão Caramelo







**Biblioteca de Carré d' Art  
Nimes, França  
(1984 – 1993)**





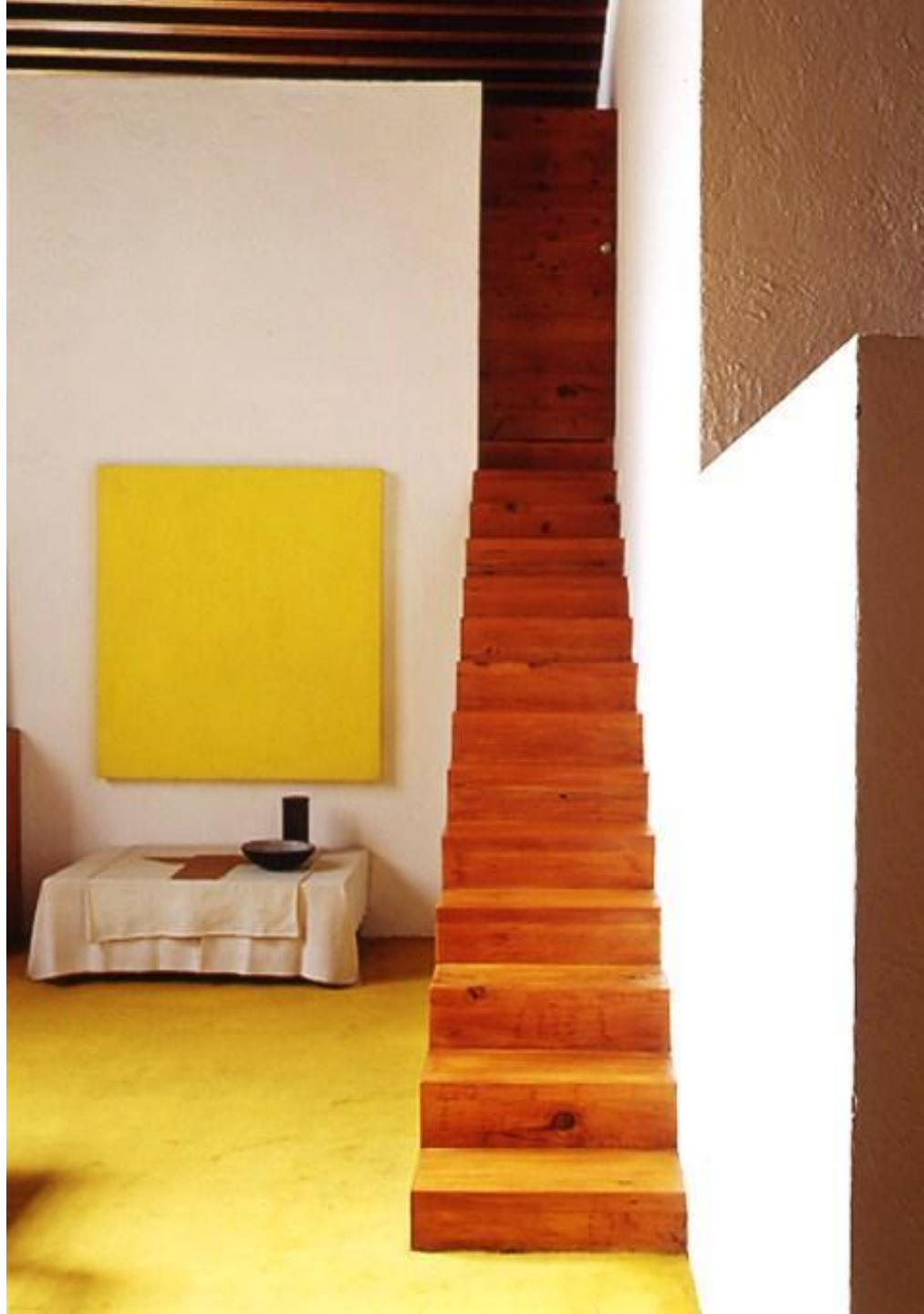
**Trinity Library Cambridge by Sir Christopher Wren 1673**

**CASA DE BARANGÁN**  
**Cidade do México**  
**(1947)**



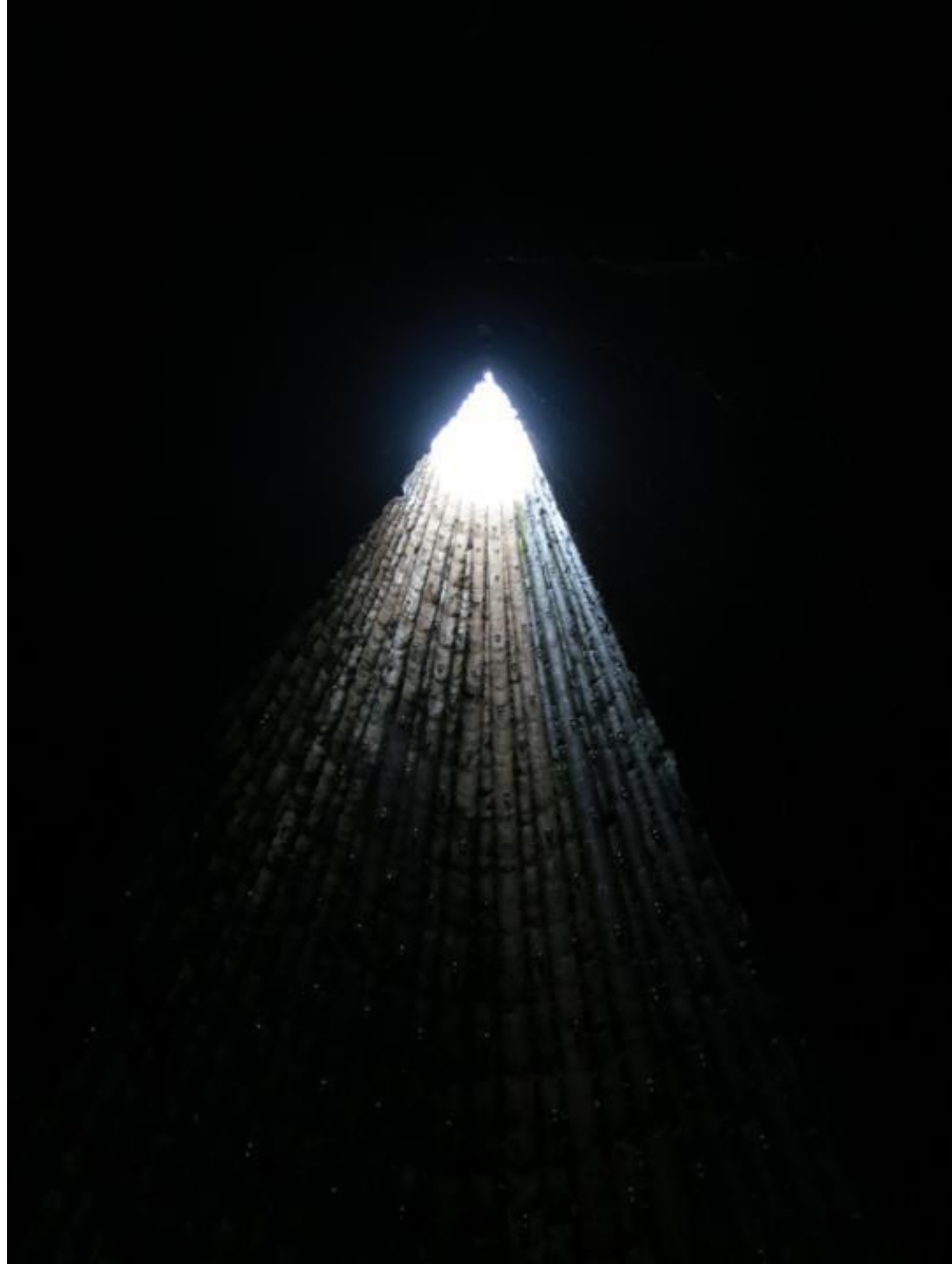




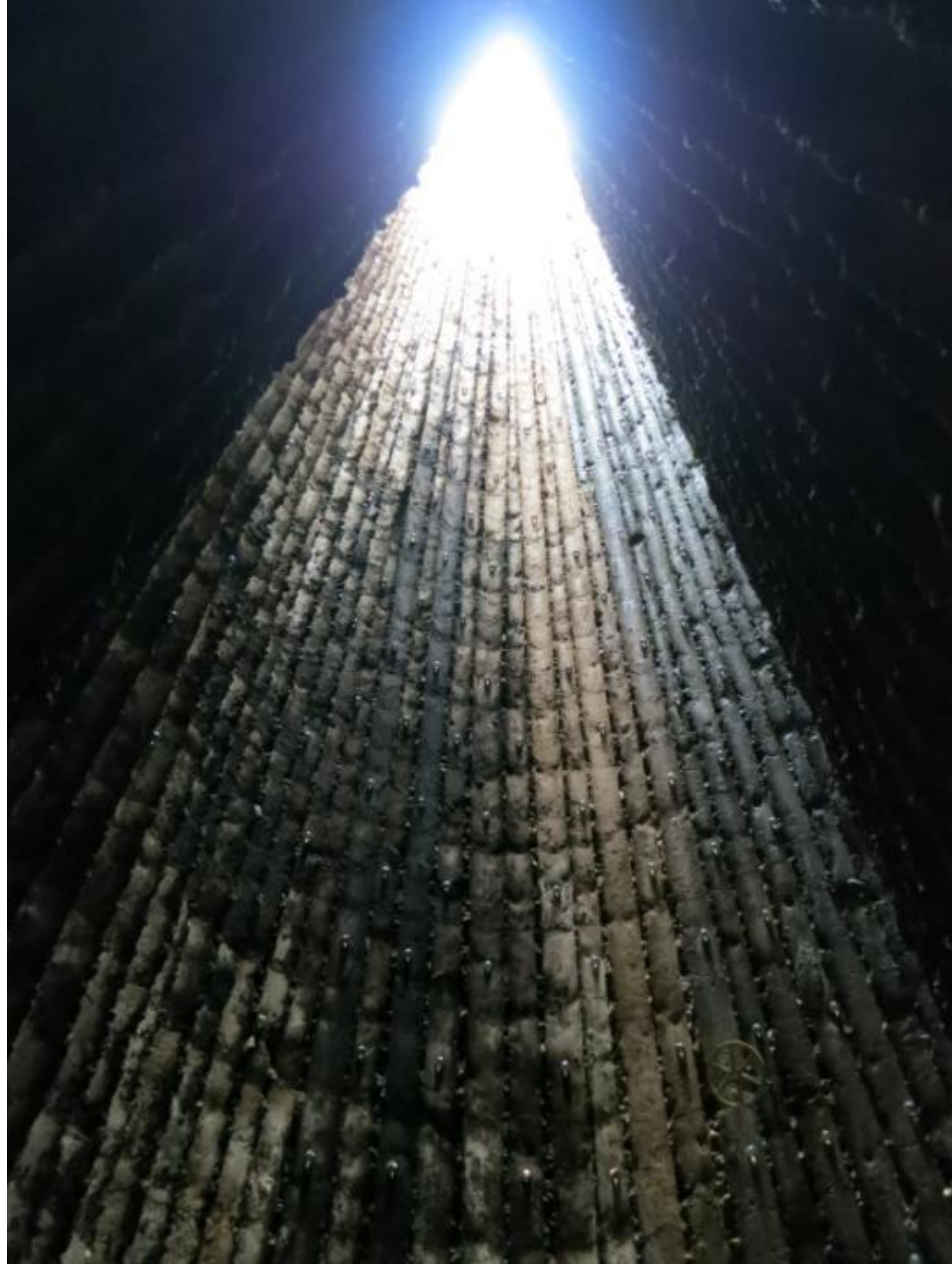


# **Capela em Colônia, Alemanha**

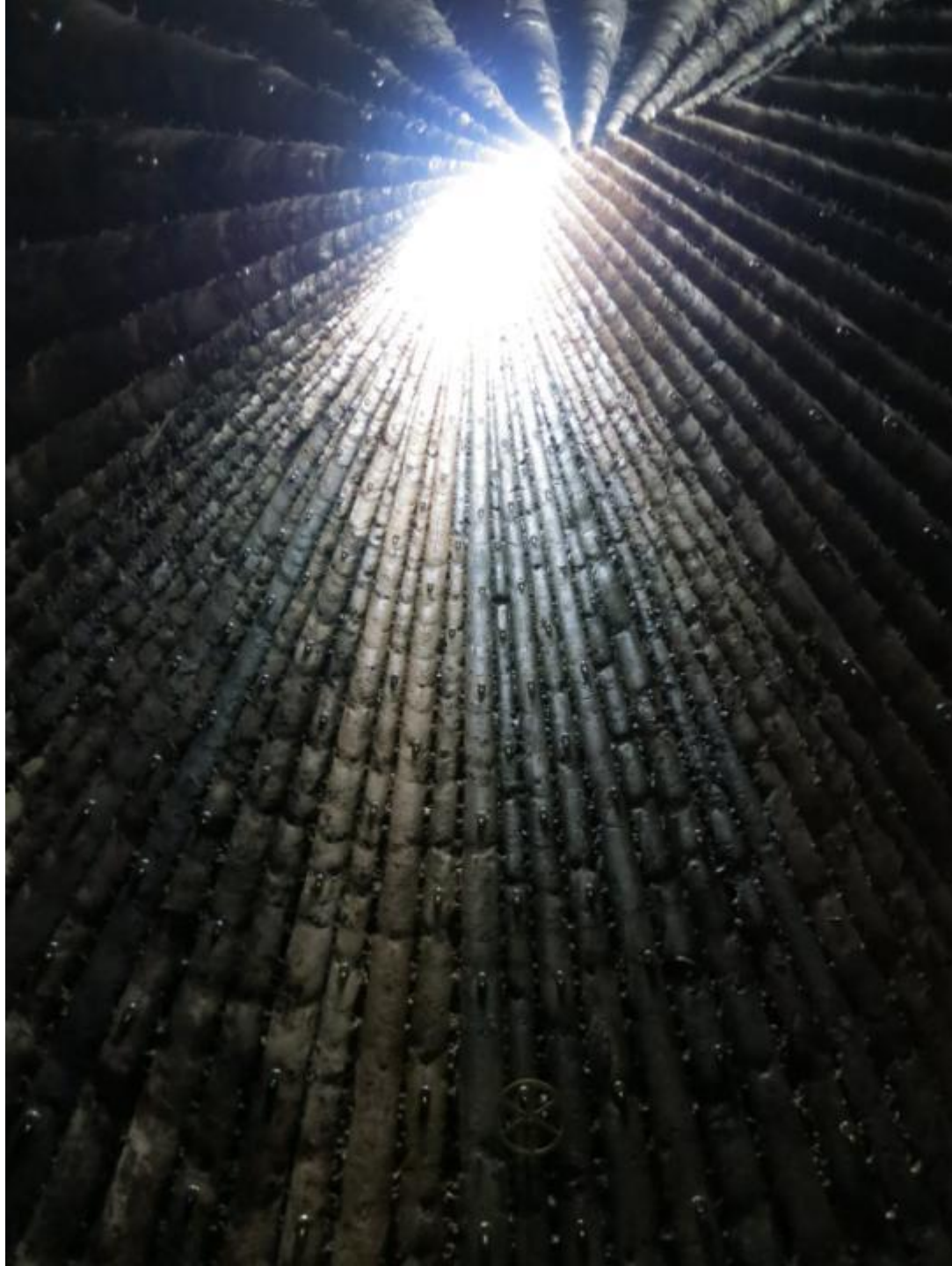




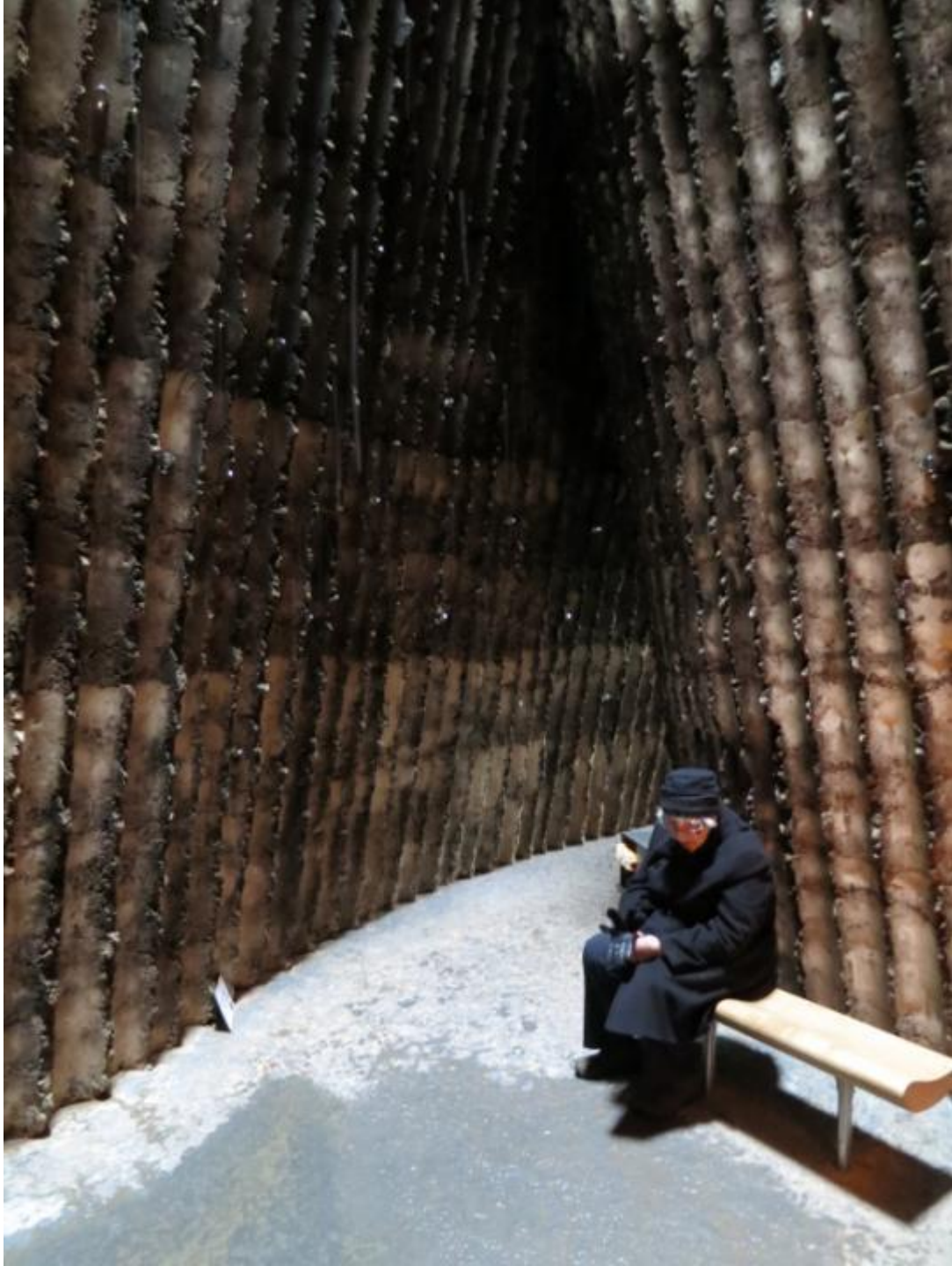




















# **Museu Kolumba, Colônia, Alemanha**

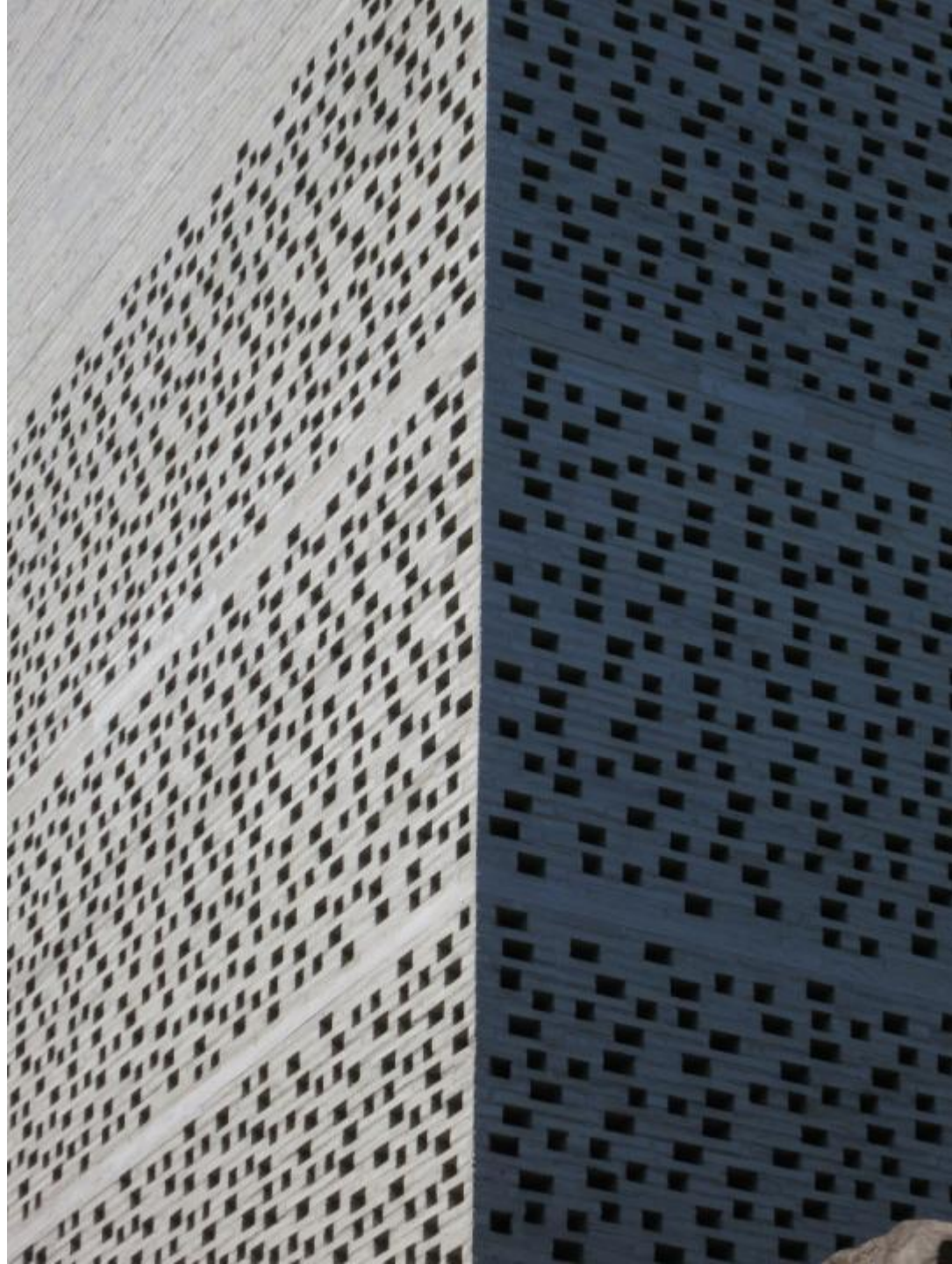


KOLUMBA





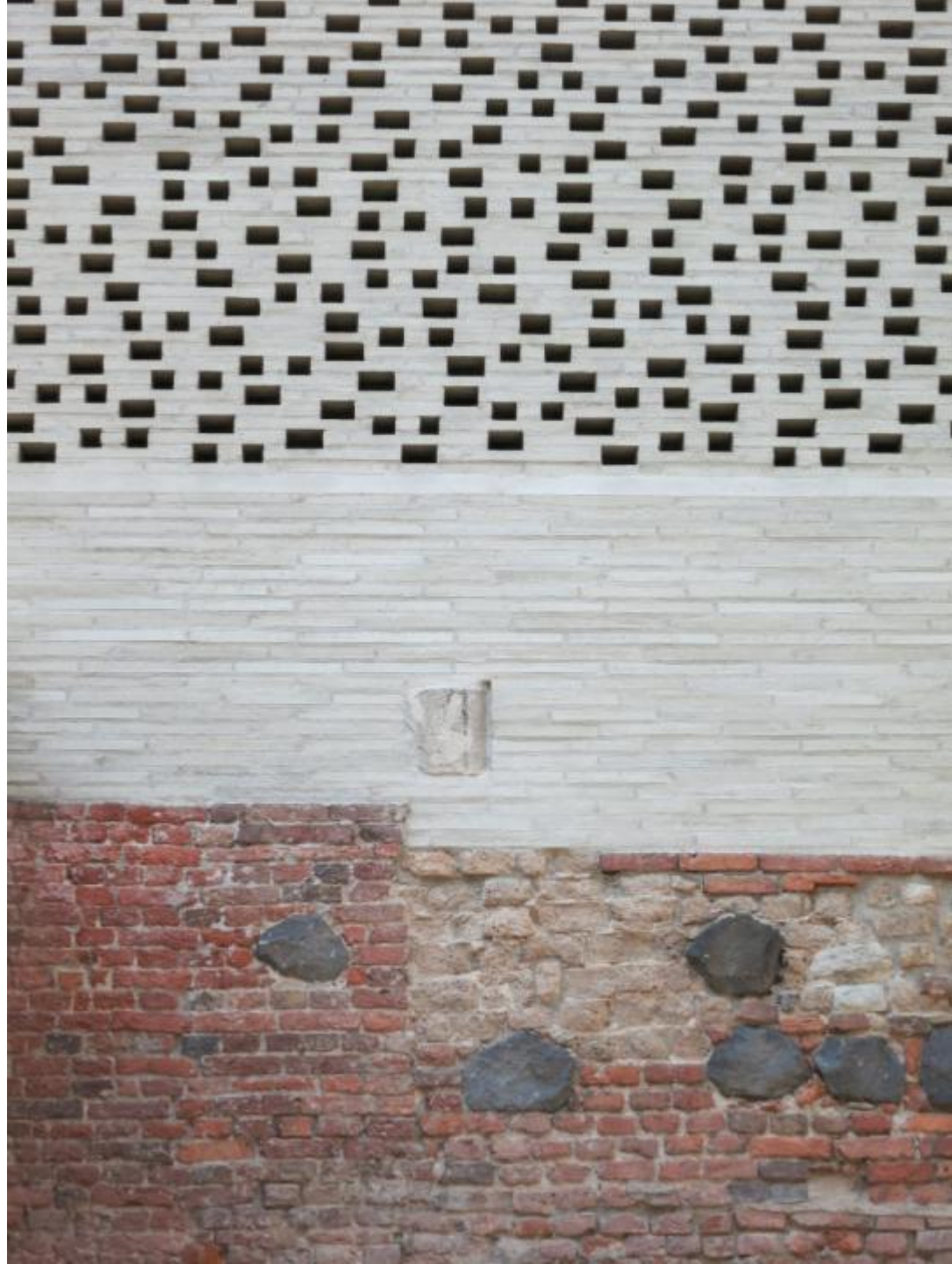














**Centro dos Estudantes da London  
School of Economics (LSE),  
Londres**





**LSE Estates Division**  
Central Development

020 761 4556  
enquiries@lse-estates.com  
www.lse.ac.uk/estates

**CAMPUS IMPROVEMENT PROGRAMME**  
IMPROVED STREET MOBILITY AND PUBLIC REALM ENHANCEMENT

**Street** ...  
**Location** ...  
**Start** ...  
**End** ...  
**Duration** ...  
**Impact** ...







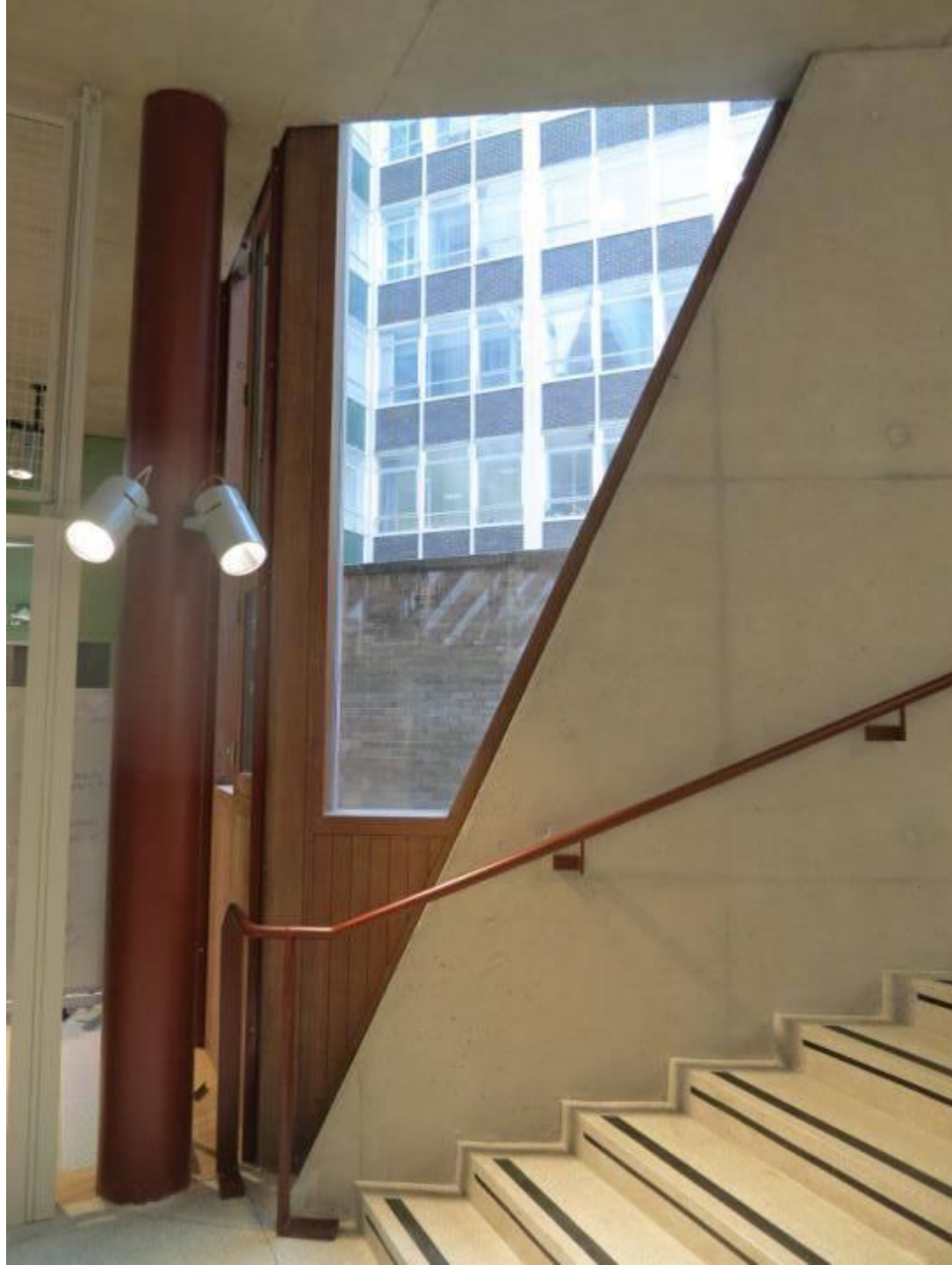






















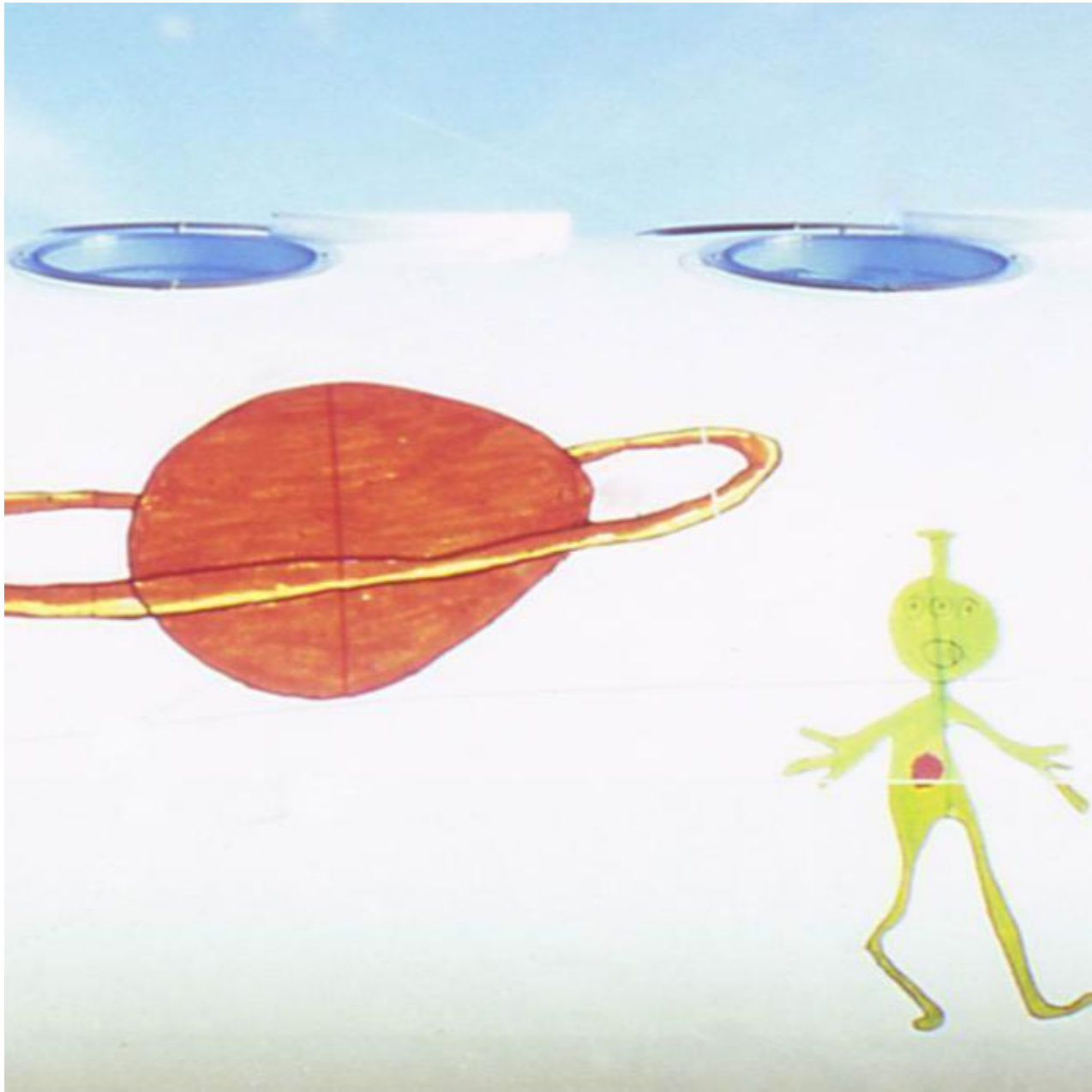






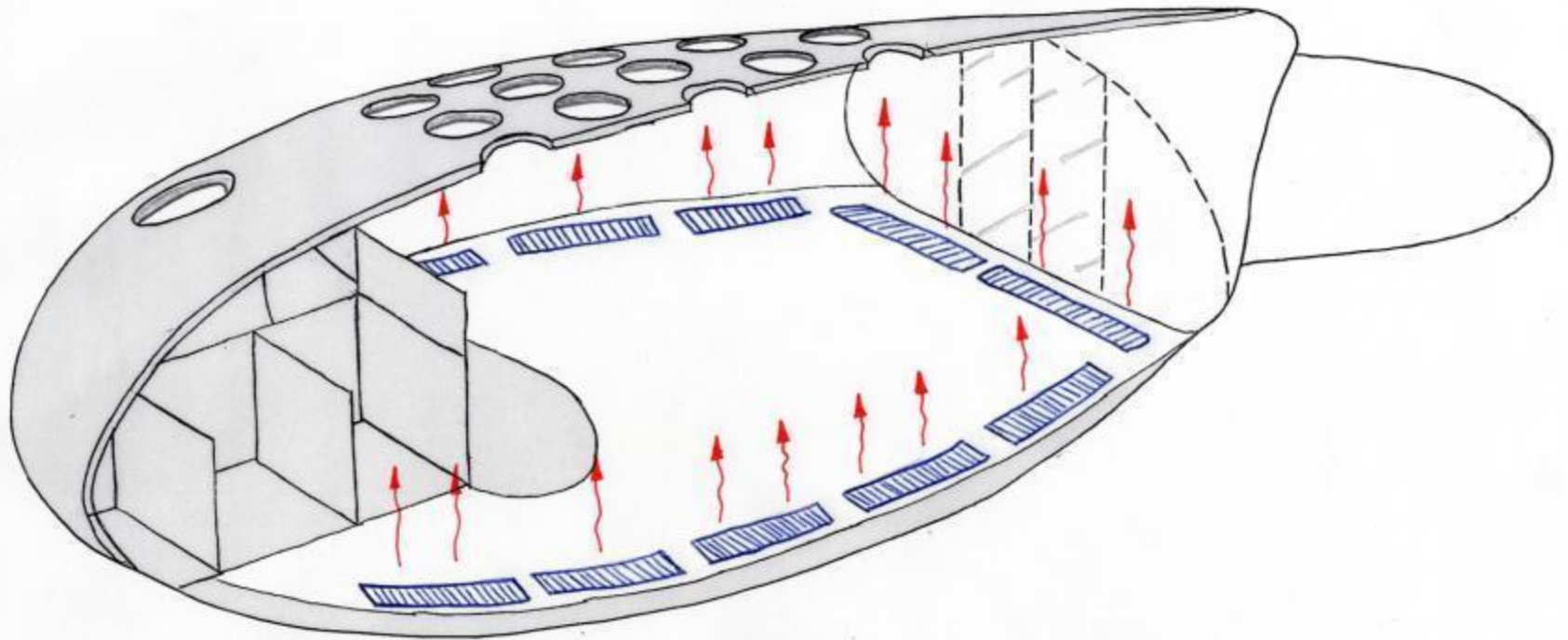


# **World Classrooms, Richmond**



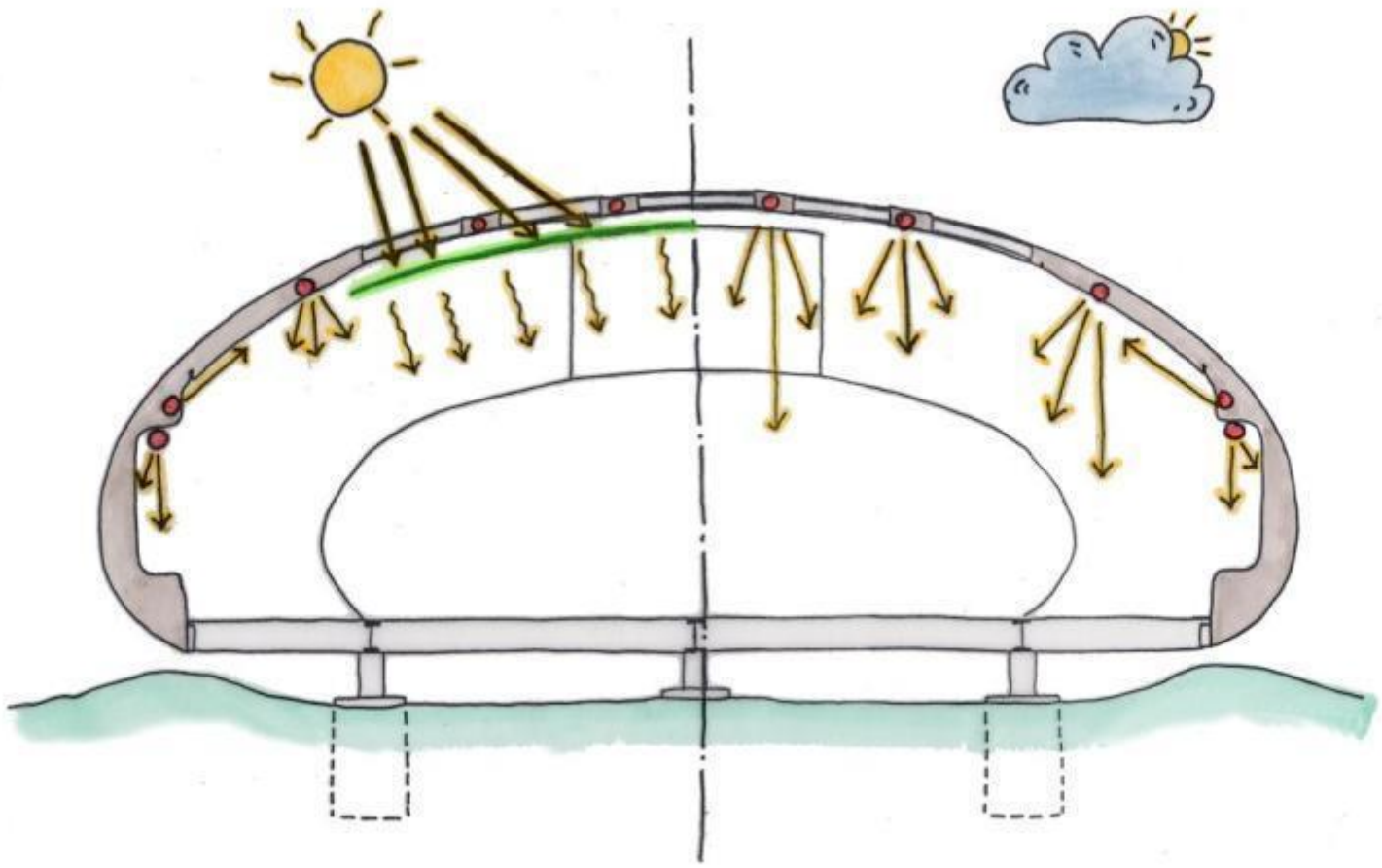




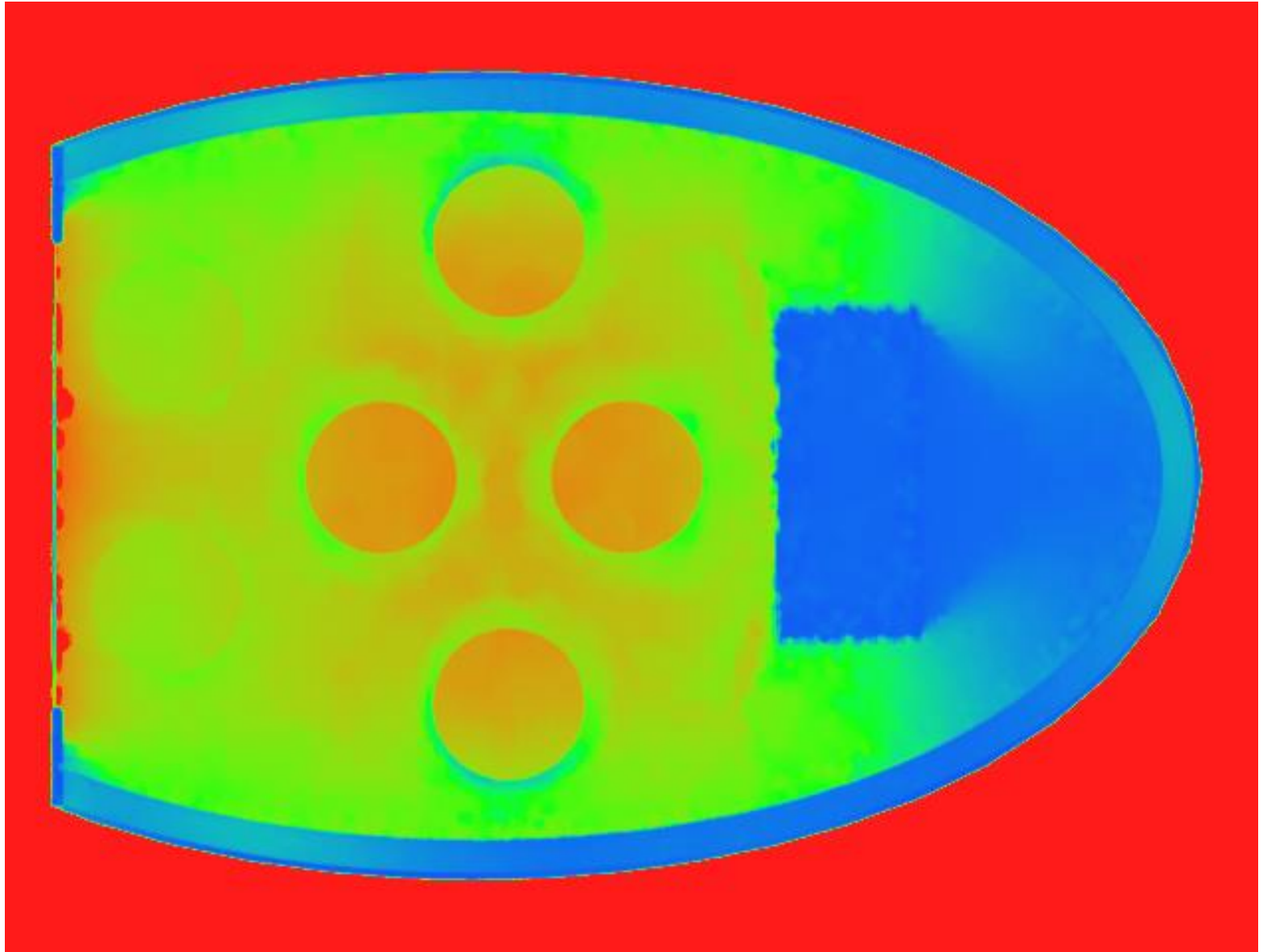






















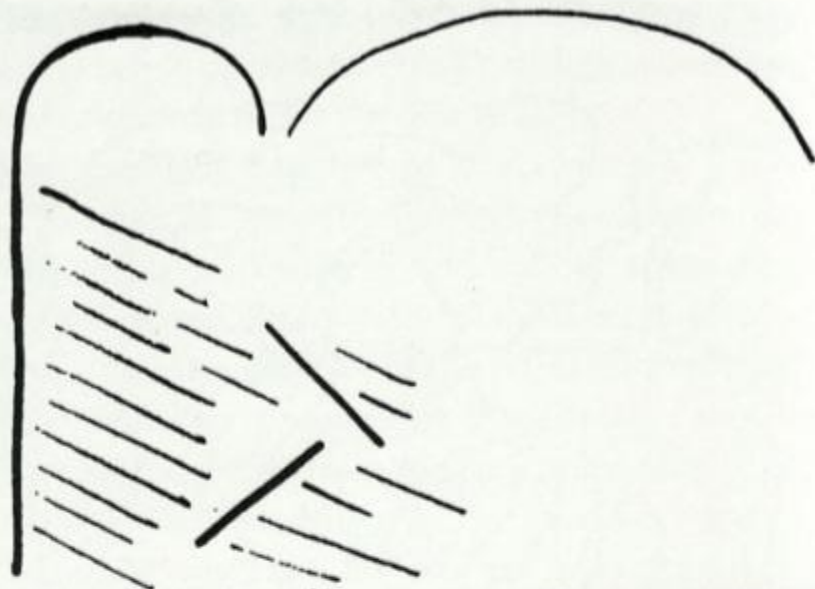
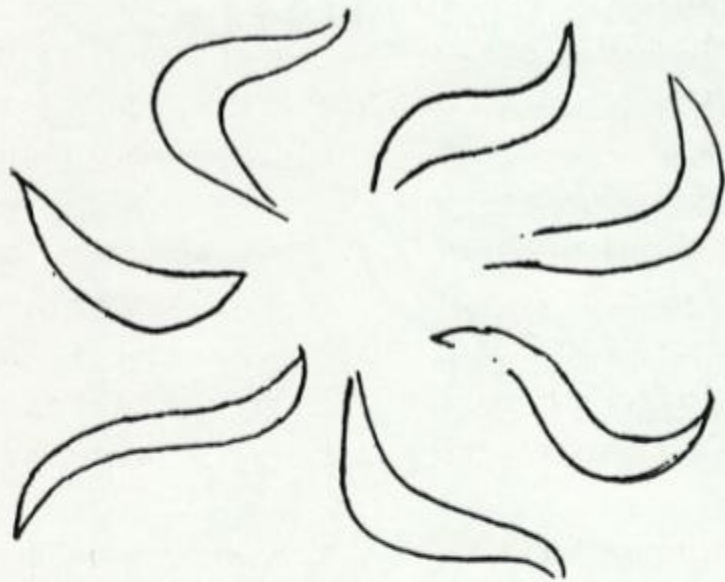












Architecture is the making of a room; an assembly of rooms. The light is the light of that room.

Thoughts exchanged by one and another are not the same in one room as in another.

A street is a room; a community room by agreement. Its character from intersection to intersection changes and may be regarded as a number of rooms.



**OBRIGADA!**