

Architecture Now: Fall 2022



The present moment in architecture:

Globalization

New technologies

Decolonization

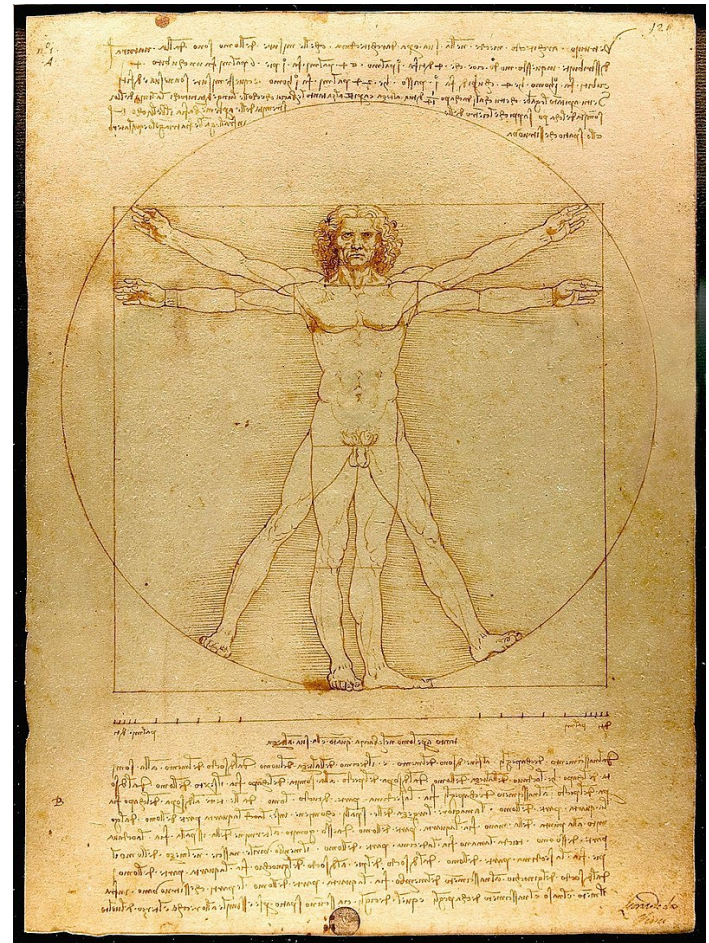
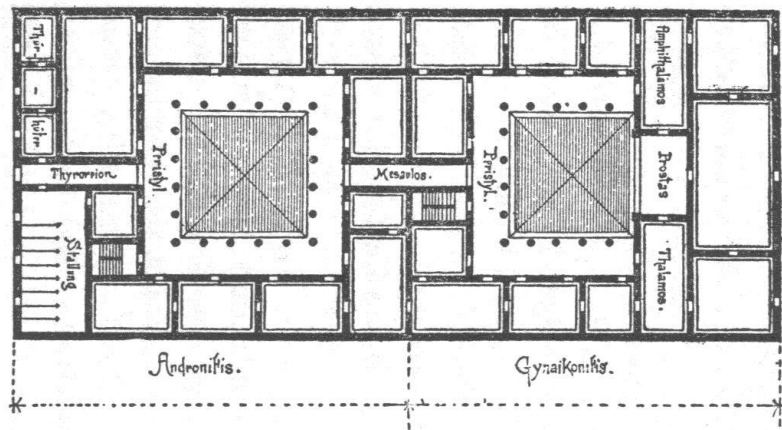
Global warming

Design justice

Week

1. Introduction: historical borrowing
2. Forms: geometric and organic
3. Old and new materials
4. Green: ecological, sustainable, socially responsible
5. Contexts: adaptation to built environment
Ornament: pattern and structure
6. Topographies: landscape adaptation and modification

Vitruvius, *De architectura*, 1st century B.C. : *firmitas, utilitas, venustas*



Jacques Rancière

Jacques Rancière (2000)

regimes of art: ethical
representational
aesthetic

**Le partage
du sensible**

esthétique
et politique

La fabrique
éditions

Architecture as interdisciplinary practice:

Architecture: vocabulary and rules

Environment: natural and built

Services: water, electricity, waste, communications

Energy: oil, gas, electric, solar, geothermal

Structural engineering: architectonics, load and stress

Digital technology: in design process, in building

Materials: natural and industrial, durability, sustainability, aesthetic qualities

Anthropology: the human uses of architecture

ETH Zürich, HiLo Unit, 2021



Tadao Ando, Forth Worth Museum of Modern Art, 2002



Edward and Linda Sunderland, Colonial reproduction, Windsor CT, 2014



Enric Ruiz-Geli: Villa Nurbs, Empuriabrava, Spain, 2009



Coetzee Steyn, Chapel, Witzenberg, South Africa, 2016



Juhani Pallasmaa, Korundi Concert Hall, Rovaniemi, Finland, 2010



Daniel Libeskind, Royal Ontario Museum, Toronto, 2007



DnA Architects, Museum of Poetry, Lishui, China, 2021



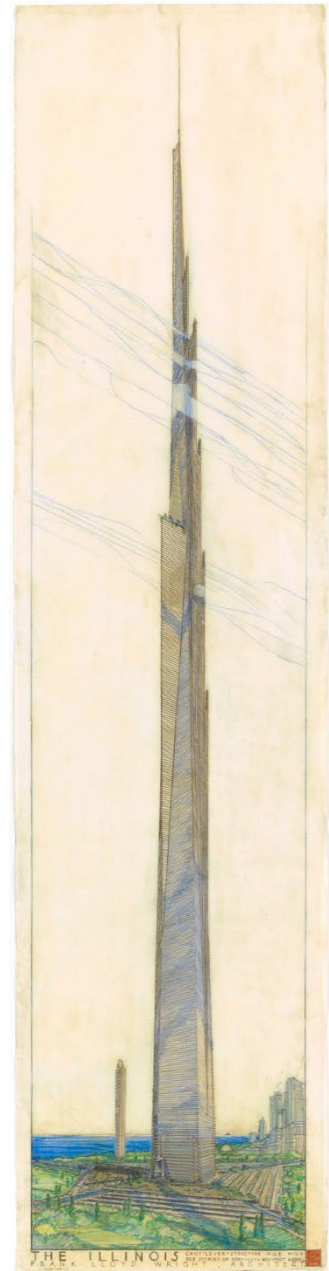
Adrian Smith & SOM,
Burj Khalifa, Dubai, 2009





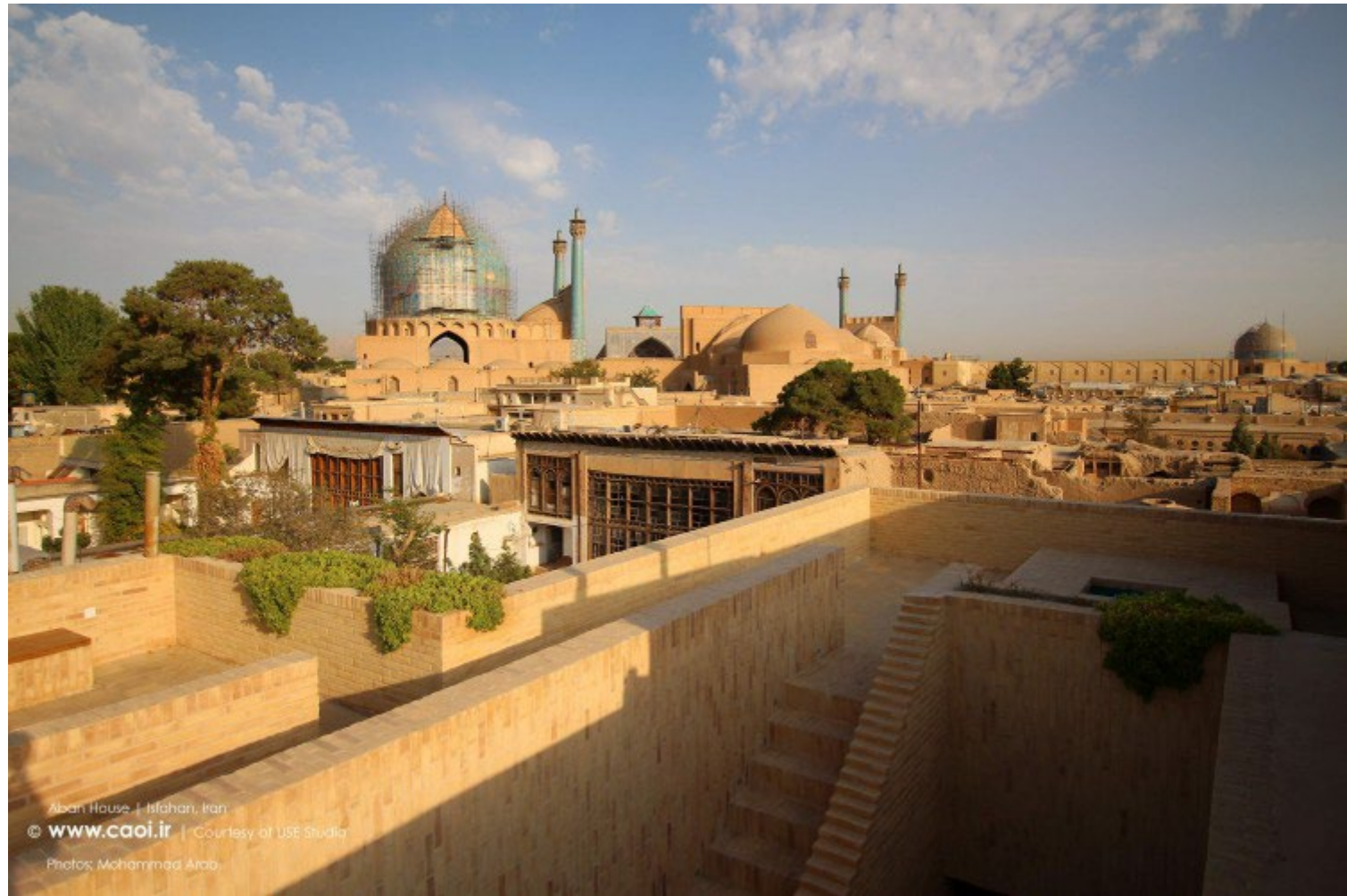
< Burj Khalifa,
Dubai, 2010
828m

Frank Lloyd Wright, >
The Illinois, 1956
1730m



USE Studio,
Aban House,
Isfahan, Iran, 2021





Aban House | Isfahan, Iran
© www.caoi.ir | Courtesy of USE Studio
Photos: Mohammad Arab

Tadao Ando, Forth Worth Museum of Modern Art, 2002



Daniel Libeskind, Jewish Museum Berlin, 2001



G. Shankar, « Siddhartha », Mumbai, 2018



China State Engineering, «The Water Cube», National Aquatics Center, Beijing, 2008



Lines of tension in contemporary architecture:

technical vs aesthetic

historical vs original

visual vs embodied

autonomous vs contextual

imposing vs restrained

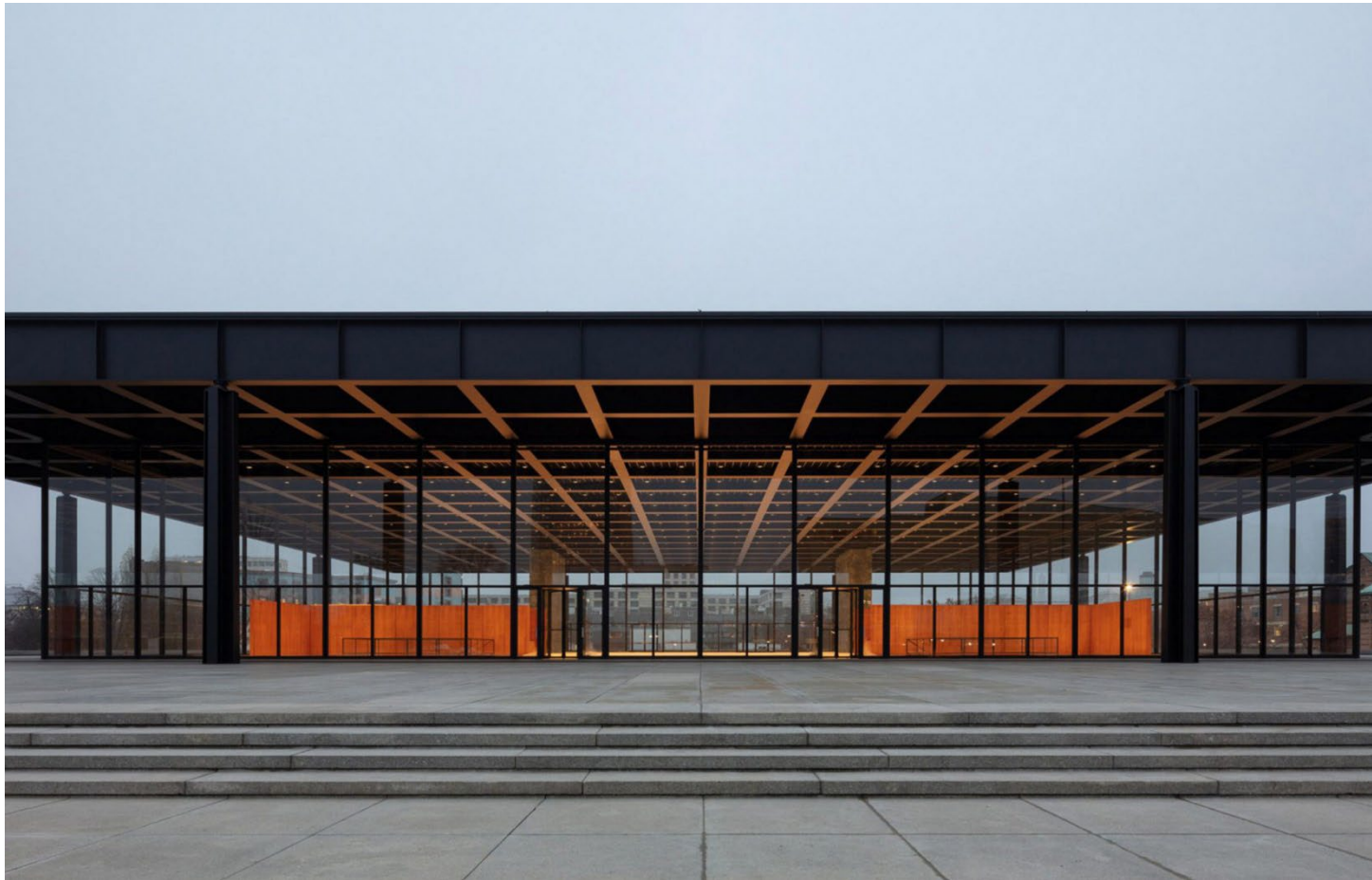
unified vs deconstructed

natural vs artificial

X Architects, Al Shindaga Historic District, Dubai, 2020



Ludwig Mies van der Rohe, Nationalgalerie, Berlin, 1968



Scott Specht, Preston Hollow residence, Dallas, 2020



Ludwig Mies van der Rohe, Barcelona Pavilion, 1929



FAKT Office, Space with 8 Walls, Berlin, 2020



Mies van der Rohe, Farnsworth House, Illinois, 1951



Yazgan Design, Glass Pavilion, Ankara, Turkey, 2015



Philip Johnson, Glass House, New Canaan CT, 1949



Centro de Colaboración Arquitectónica, Acajoneta Public Park, Nayarit, Mexico, 2021



Venturi and Scott Brown, Franklin Court, Philadelphia, 1976



Designhaus, Woxsen University, Hyderabad, 2021



Denys Lasdun, National Theatre, London, 1976



Frank Gehry, UTS Business School, Sydney, 2015



Minoru Yamasaki, Pruitt-Igoe Housing, St Louis, 1972 demolition



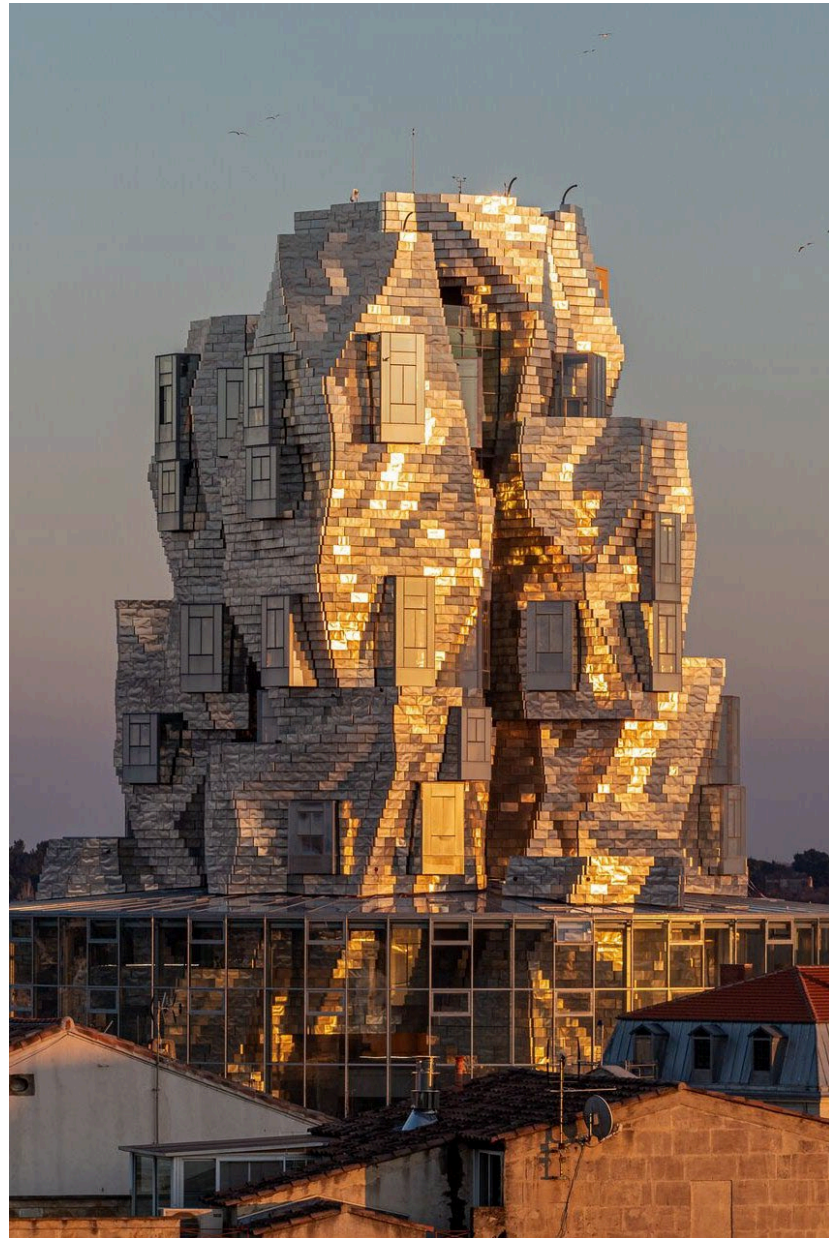
Frank Gehry, Disney Concert Hall, Los Angeles, 2003



Kurt Schwitters, Merzbau,
Hanover, 1933



Frank Gehry,
LUMA Arles, 2021



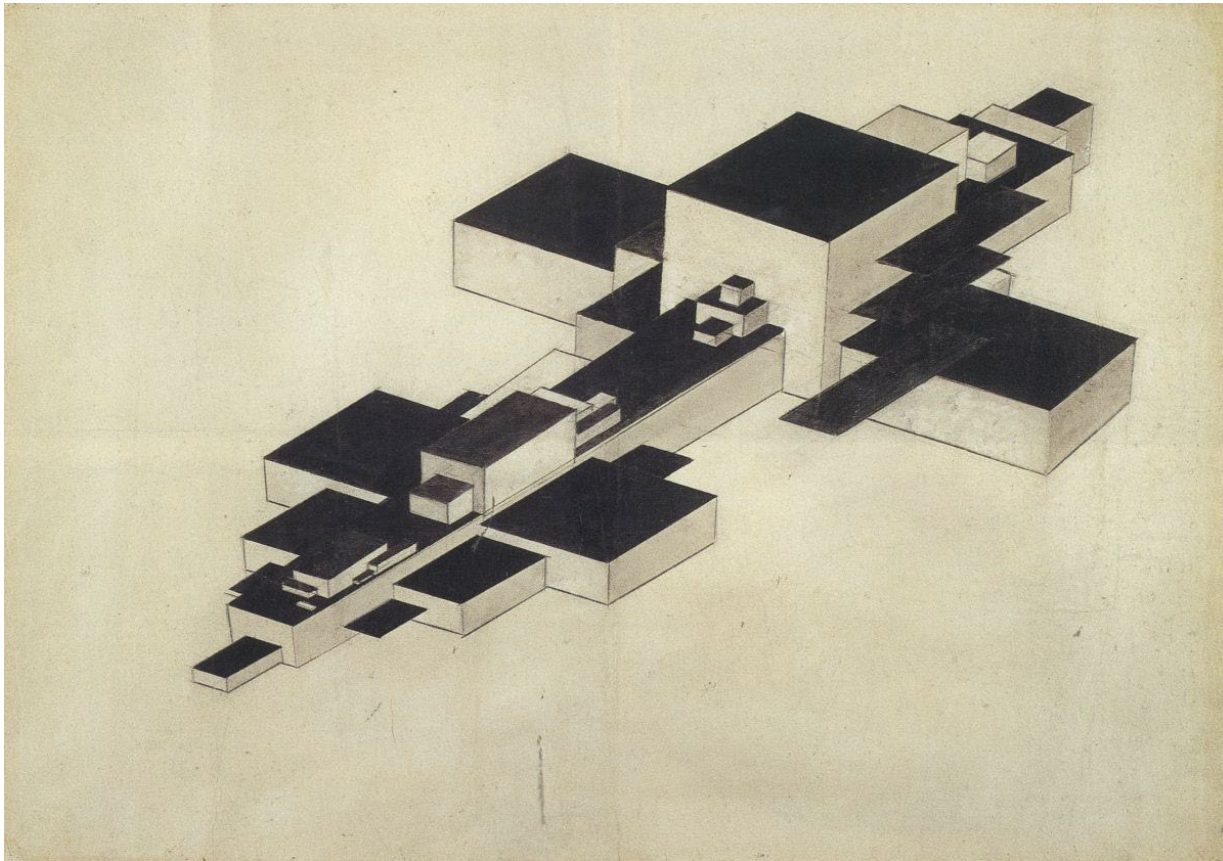
Bruno Taut, *Die Stadtkrone*, 1919



Zaha Hadid, National Museum of XXI Century Arts, Rome, 2009



Kasimir Malevich, Suprematist Architecture, 1928



Studio Gang, St Regis Tower, Chicago, 2021



Constantin Brancusi,
Endless Column, 1918



Shinichi Ogawa, Loft Villa, Osaka, Japan, 2021



Le Corbusier, Villa Savoye, Poissy, France, 1931



David Chipperfield, Cultural Center, Jing De Zhen Shi, China, 2021



Frank Lloyd Wright, Johnson Wax Headquarters, Racine WI, 1939



Jizhunfangzhong Architects, Greentown Sales Center, Chongqing, China, 2022



Frank Lloyd Wright, Fallingwater, Bear Run, PA, 1939



Tchoban Voss Architekten, Rosenthalerstrasse Building, Berlin, 2021



Adolf Loos,
Michaelerplatz Building,
Vienna, 1909



Joe Waltman, Island Cottage, Chebeague Island, ME, 2007



McKim, Mead & White, Isaac Bell House, Newport, RI, 1883



Onsite Studio, European Library of Information and Culture, Milan, 2022



Joseph Paxton, Crystal Palace, London, 1851



Charlotte Franck and Axel Schultes, German Chancellery, Berlin, 2001



Ali Qapu Palace, Isfahan, 1597



Shahabbedin Arfaei, Persian Gulf Museum of Anthropology, Bandar Abbas, Iran, 2004



Temple of Isis, Philae, Egypt, c. 380 B.C.



Team Design Group, Gilak House, Gilan, Iran, 2021



Traditional vernacular house, northern Iran



CEBRA architects, Skamlingsbanken Visitor Center, Sjølund, Denmark, 2021



Turf house, Haukadalur, Iceland

