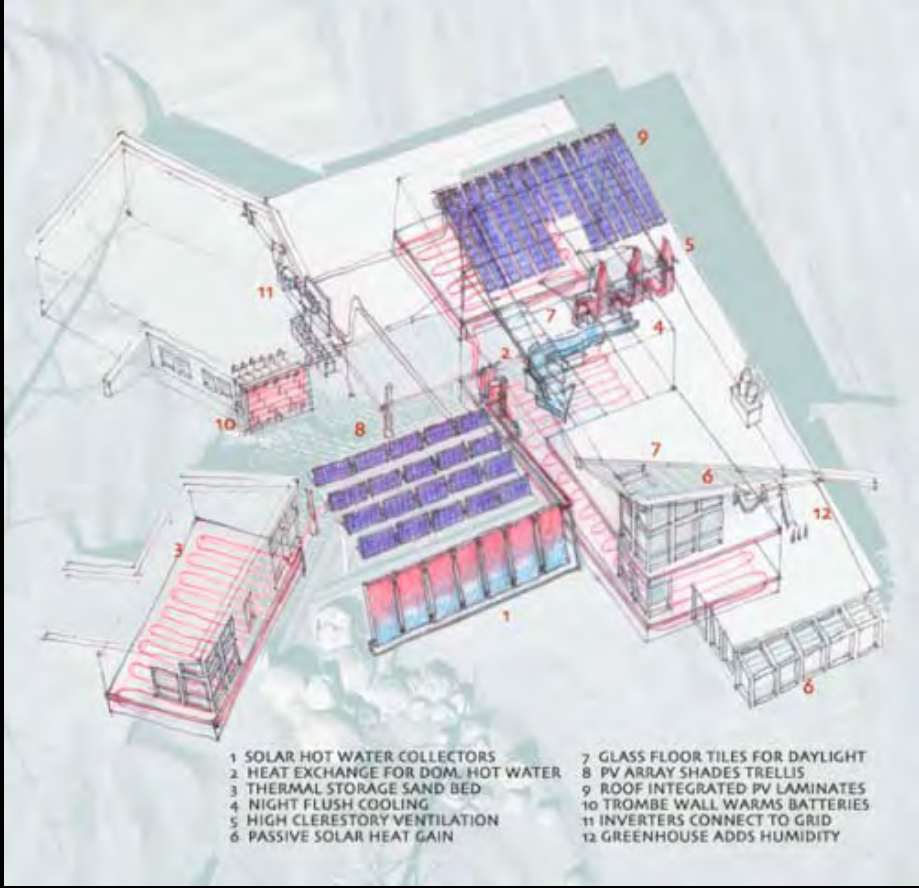
Darmstadt Solar Decathlon House 2007

Designer: Technische Universitat Darmstadt

Location: Washington, D.C.

Single-Family Residential: Solar Roof



Eastern Sierra House

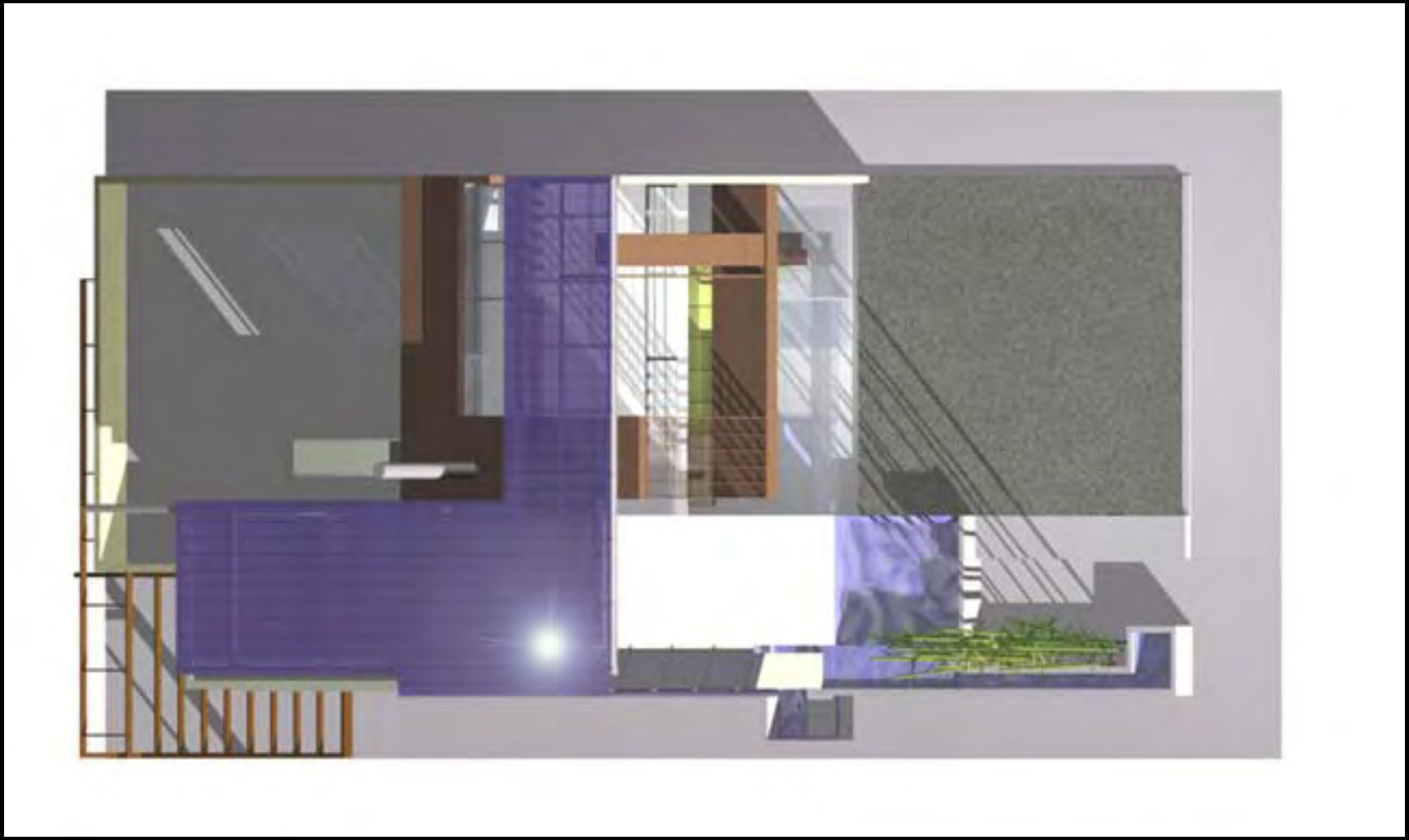
Architect: Arkin Tilt Architects

Location: Gardnerville, Nevada

TRANSVERSE SECTION

30 0 15 30 60

1 GUEST ROOM
2 P.V. PANELS
3 COURTYARD
4 LOFT
5 KITCHEN
6 MASTER BATH
7 RADIANT SAND BED
8 SOLAR COLLECTORS
9 SOD ROOF

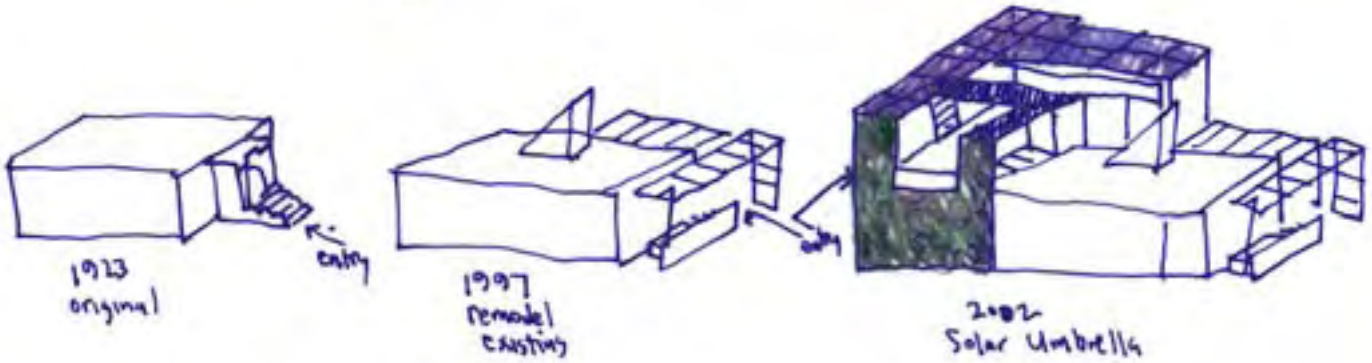


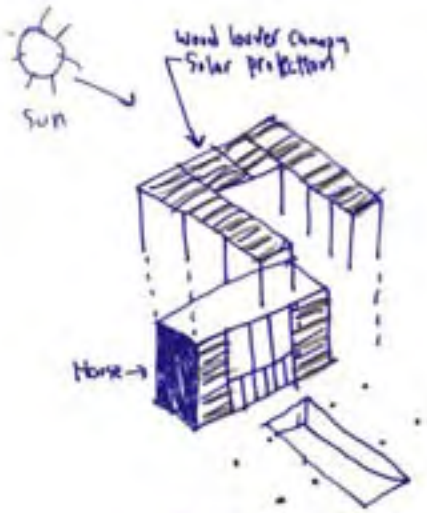
Architect: Pugh + Scarpa

Location: Venice, CA

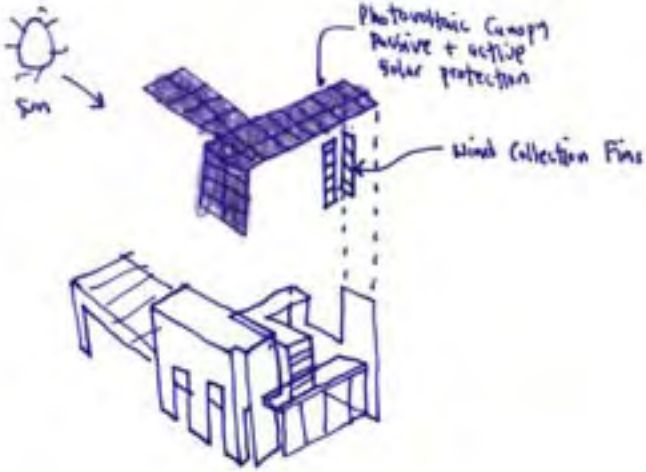
Year Completed: 2005

1953





Rudolph's Umbrella House
1953



Solar Umbrella
2002

Non-Architectural Projects

Solar Lily Pads

Architect: ZM Architecture

Engineer: Mott McDonald Engineers

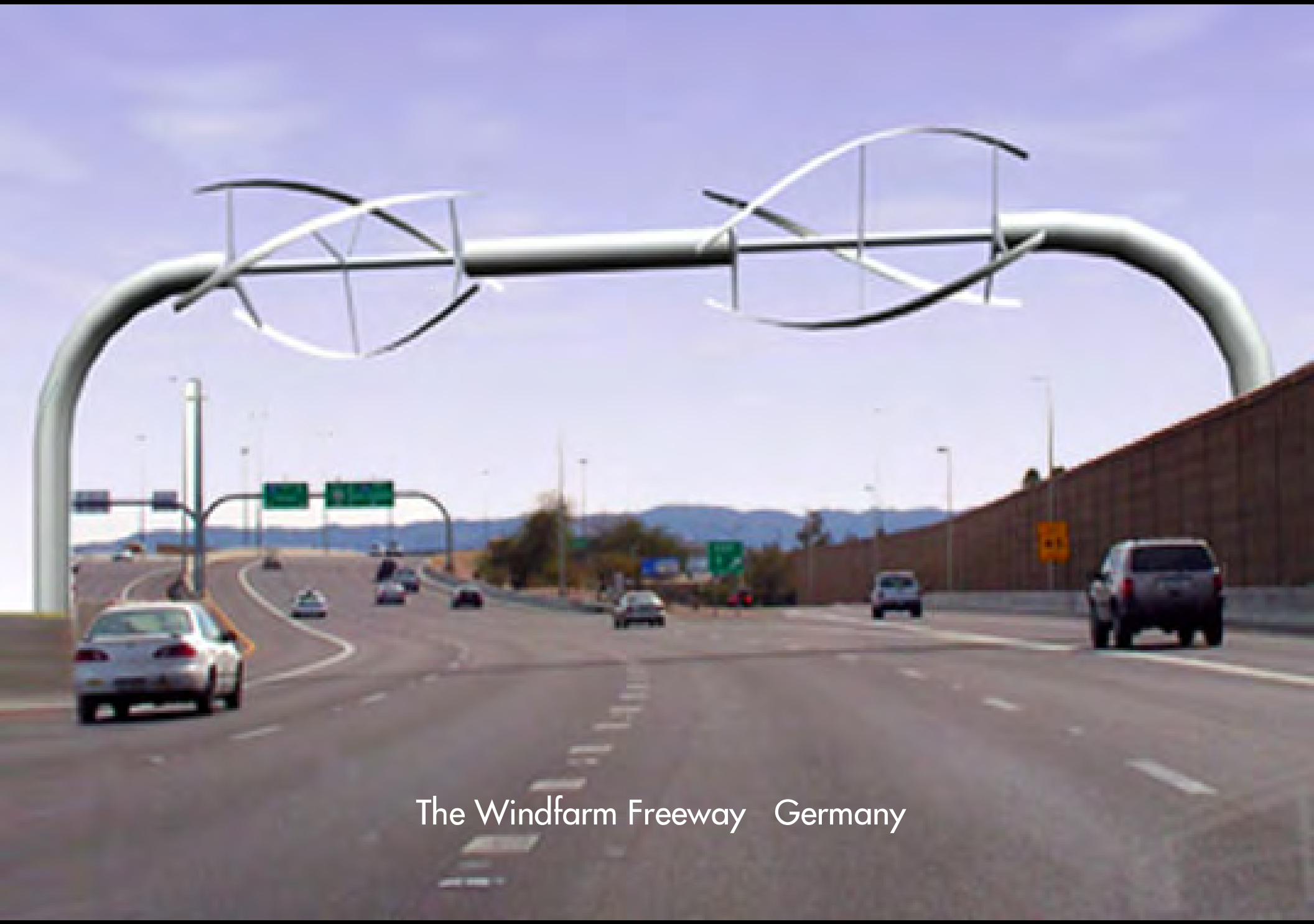
Location: Glasgow, Scotland

Solar Tree

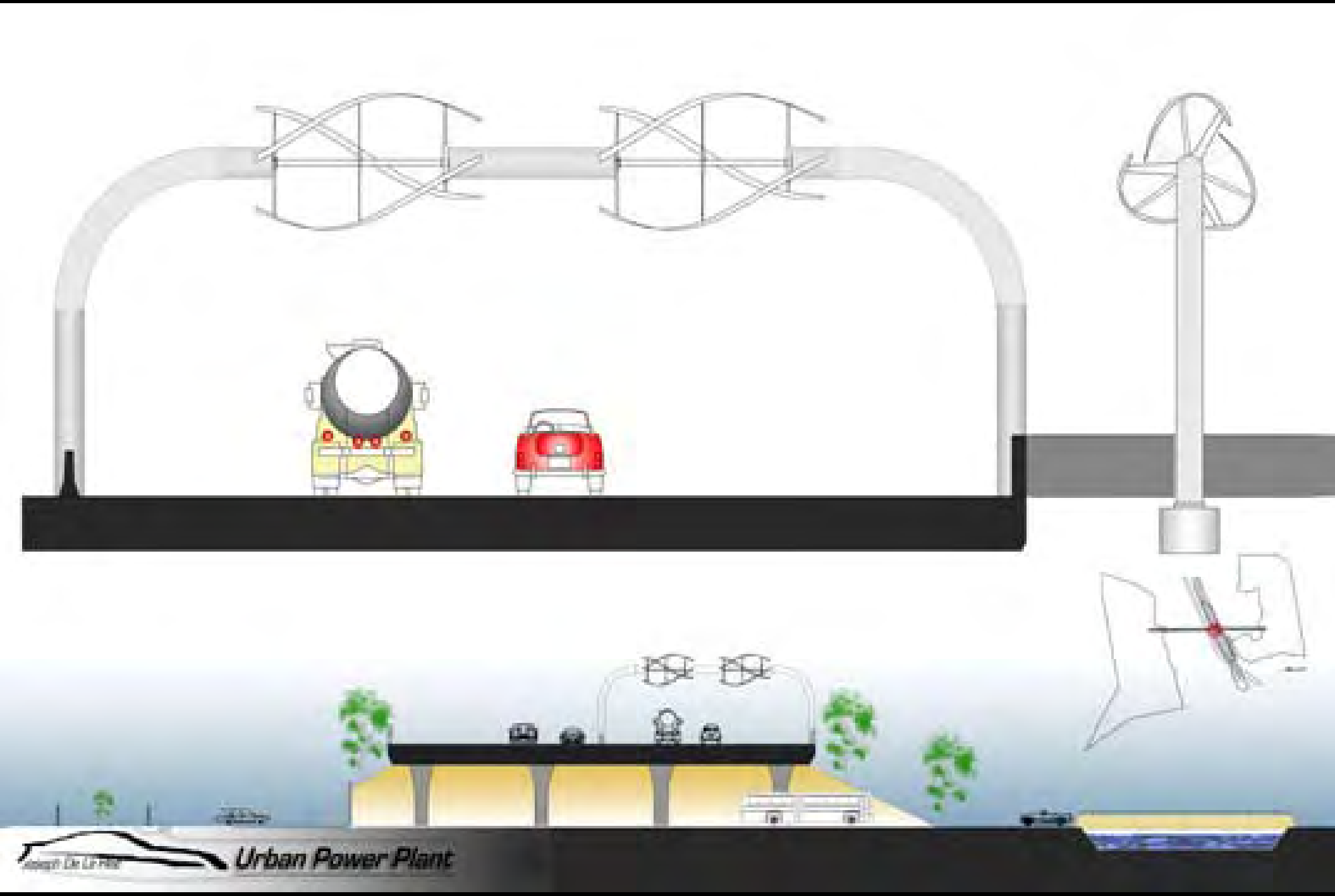
Designer: Ross Lovegrove

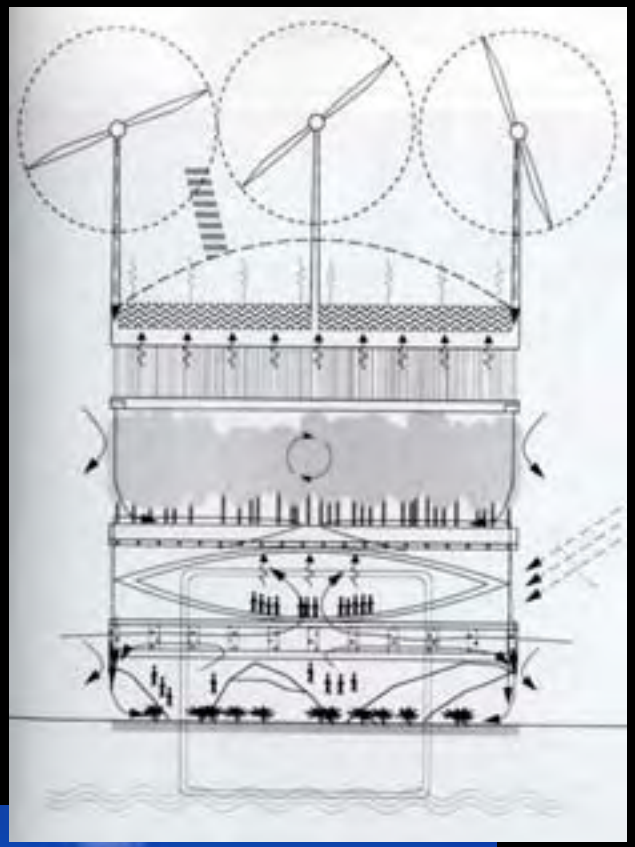
Location: Vienna, Austria

Wind Power

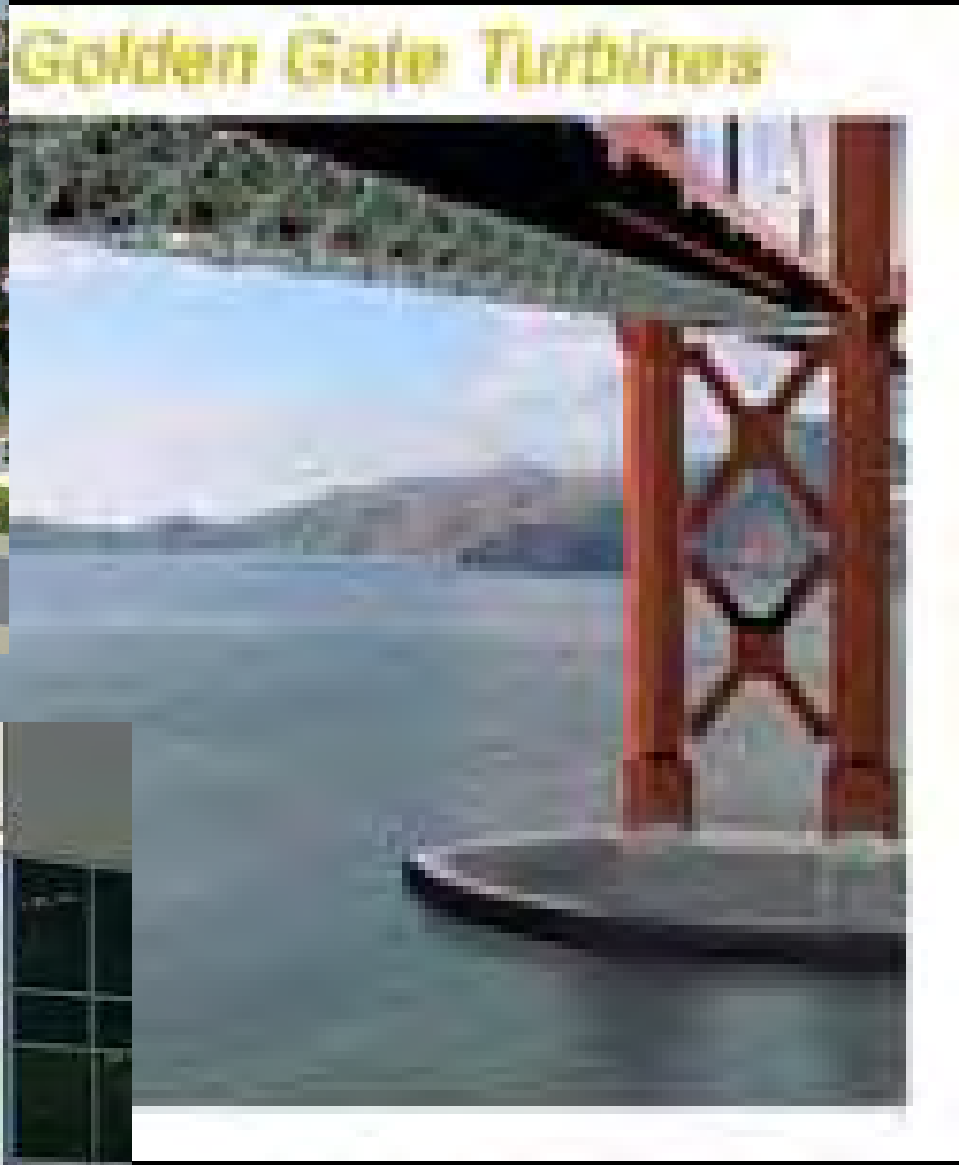


The Windfarm Freeway Germany


Urban Power Plant

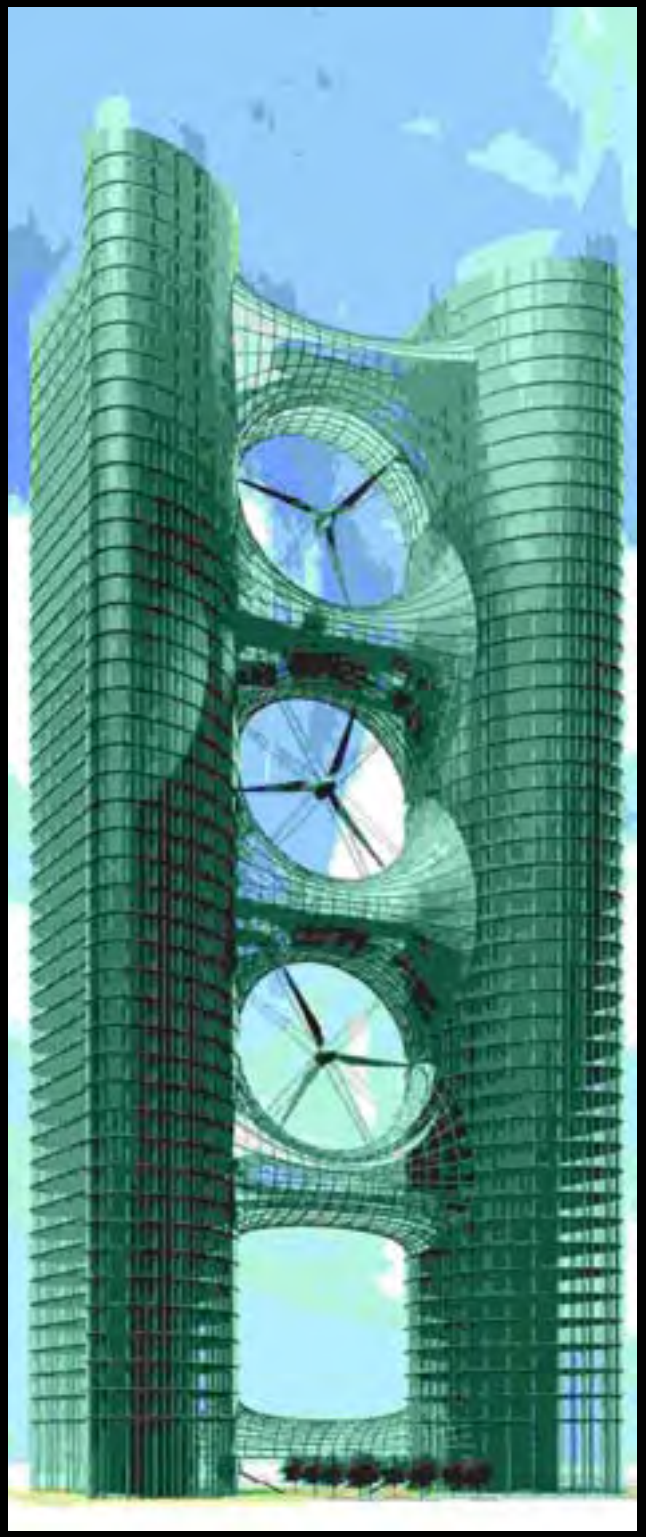


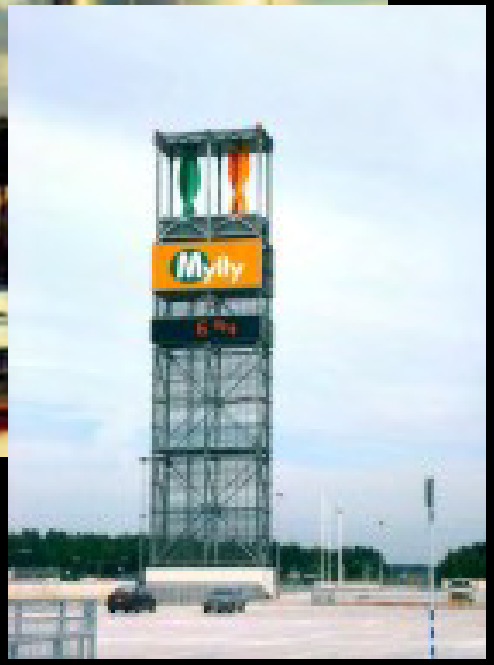
Expo 2000 Dutch Pavilion
MVRDV
Hanover, Germany


Golden Gate Turbines

Skyscraper Farms

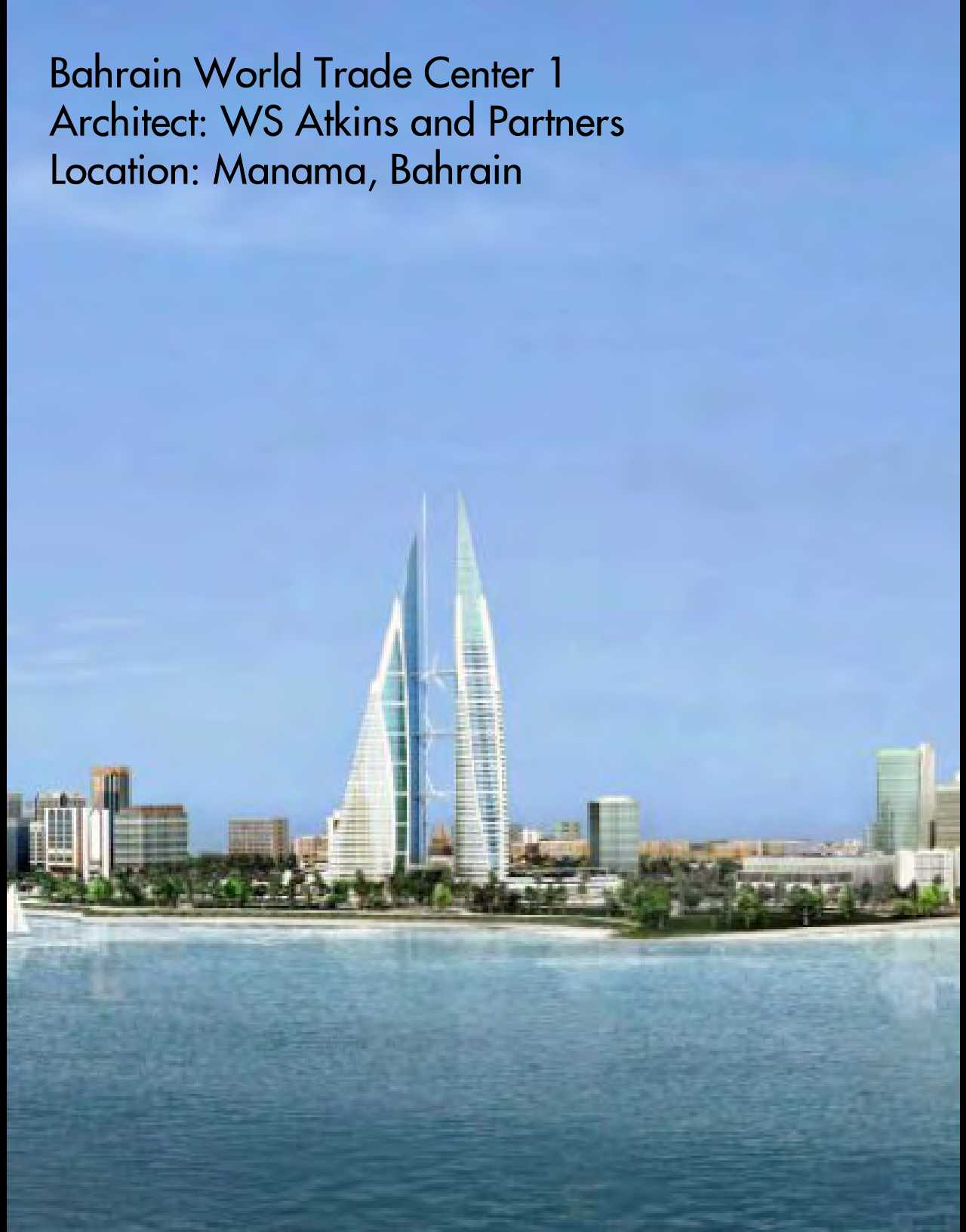
An installation of seven turbines at a Fairview Homes development at London Road in Croydon, where planning has been granted for a single turbine to go up before the refurbishment begins





'UWECS Prototype' Sttutgart University

Bahrain World Trade Center 1
Architect: WS Atkins and Partners
Location: Manama, Bahrain

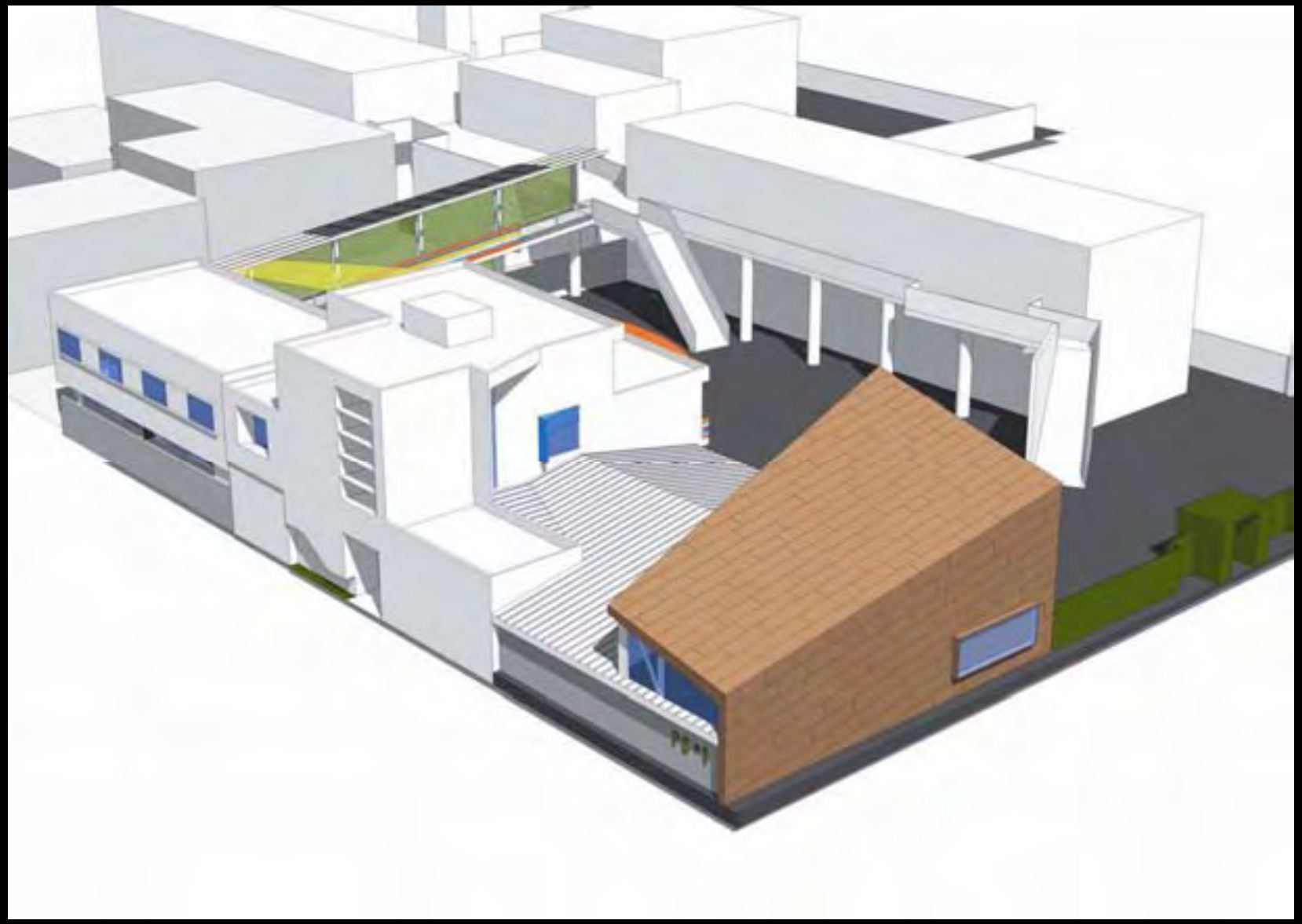


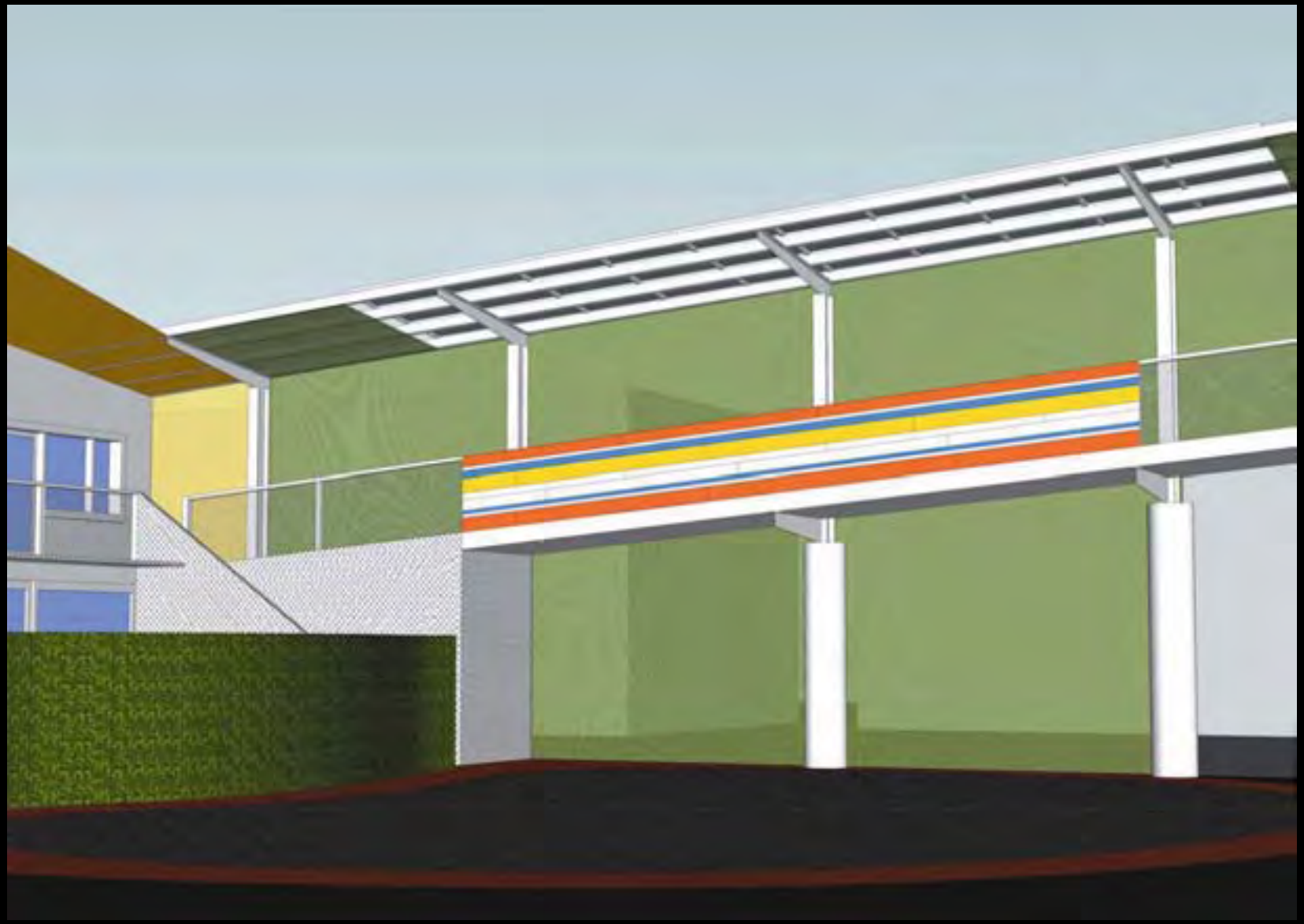
On the Boards: Local Projects

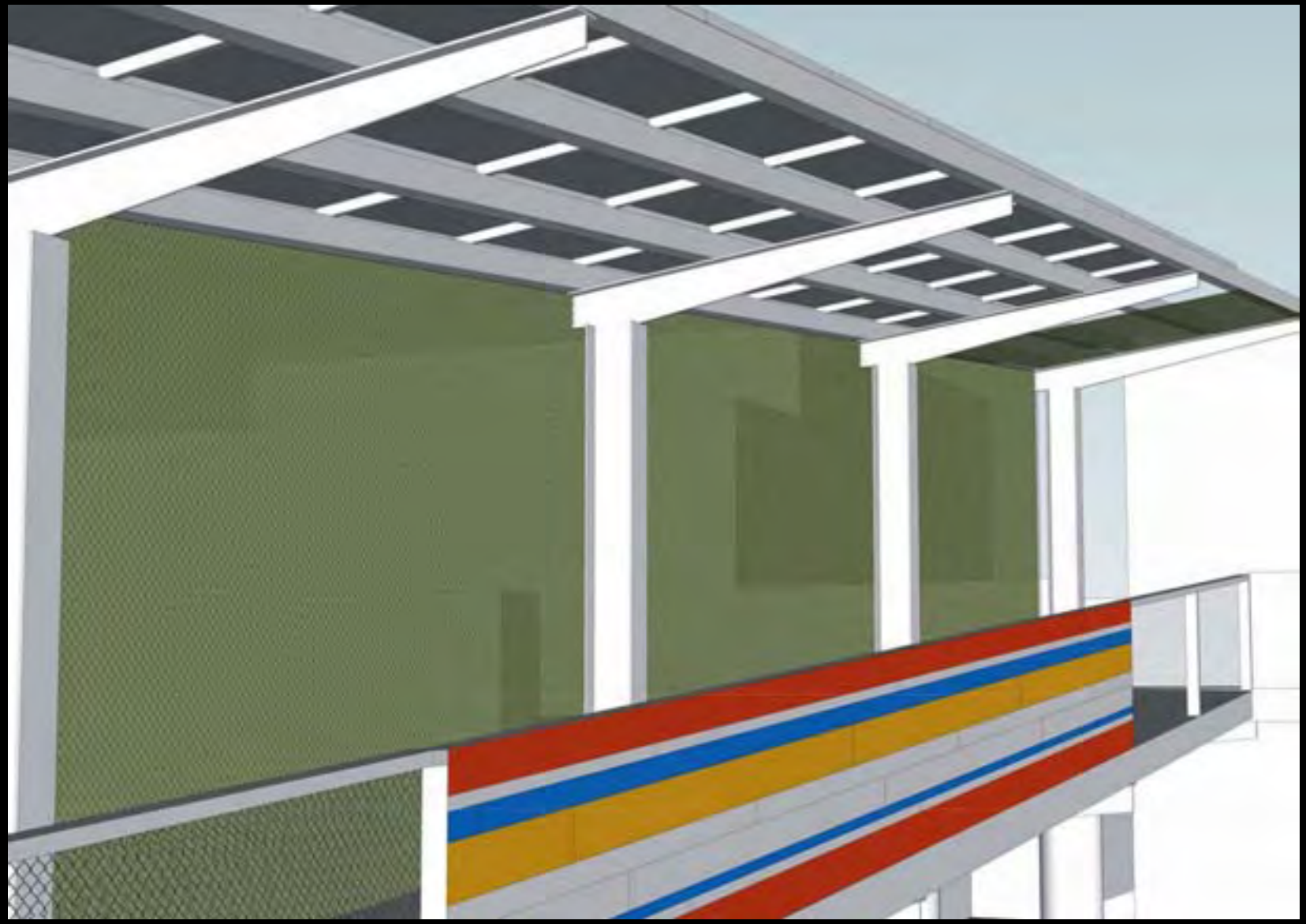
Elementary School Expansion

Architect: Jesse Bornstein Architecture

Location: Santa Monica, California



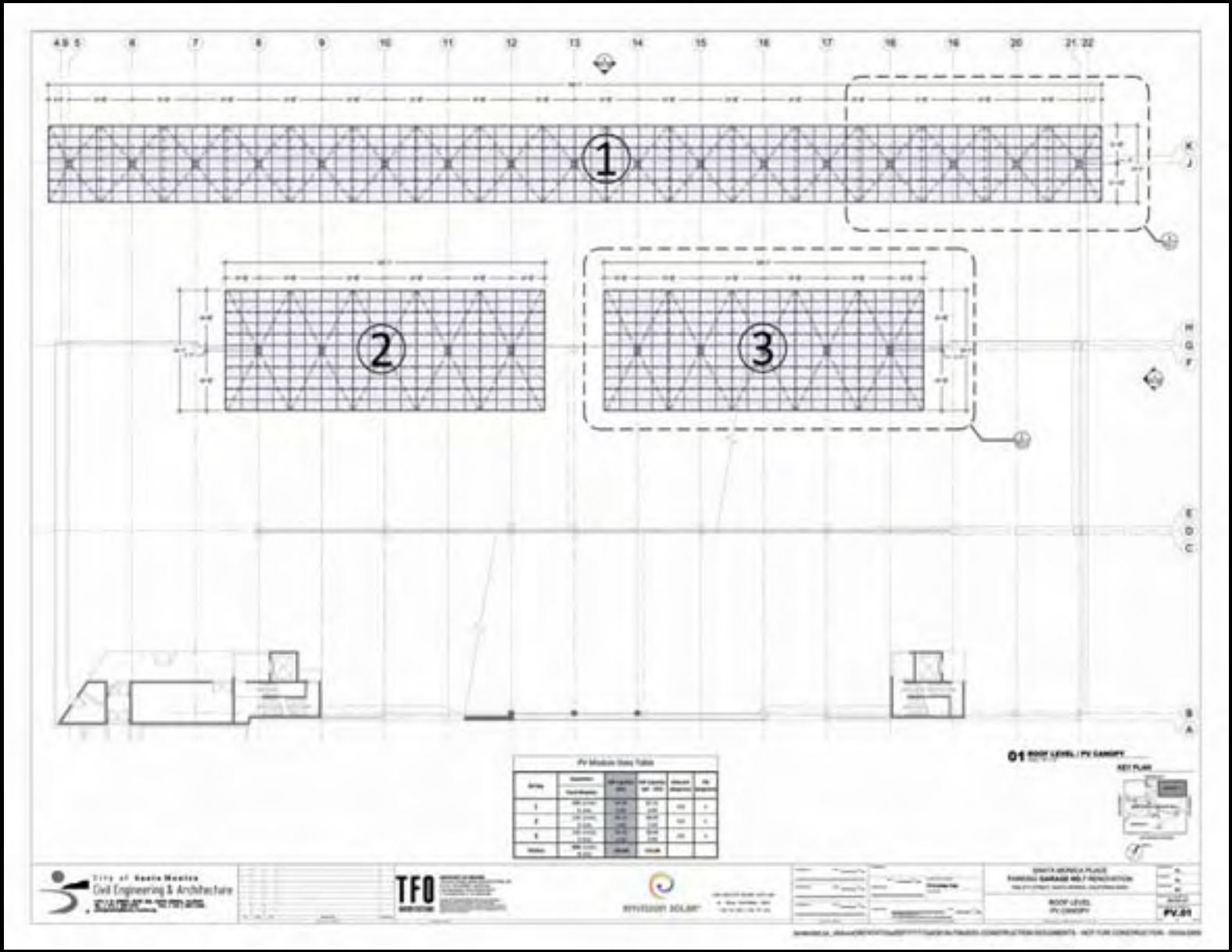




Green Dot Animo Leadership High School

Architect: Pugh + Scarpa Architecture

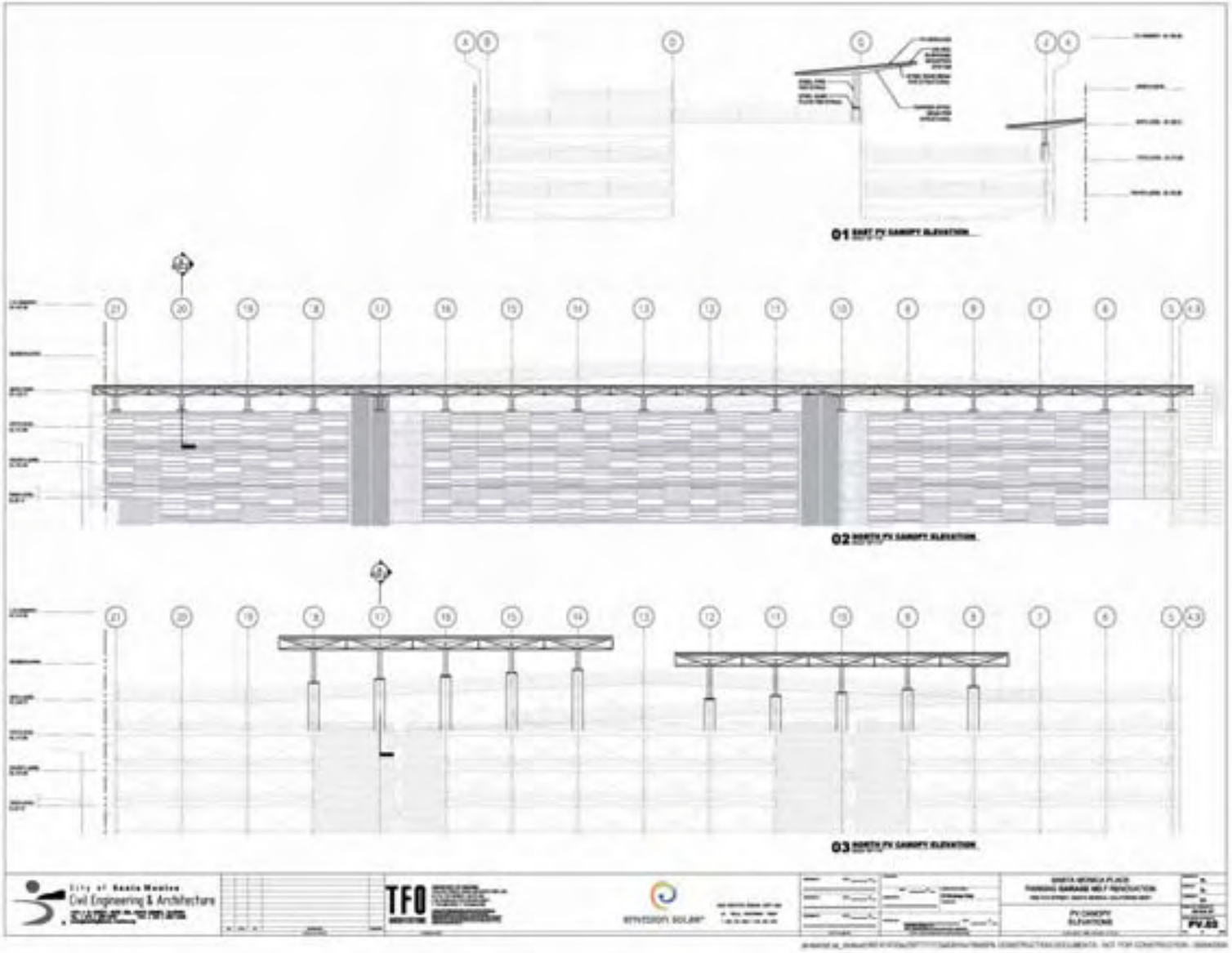
Location: Inglewood, California



Santa Monica Parking Garages 1-7

Architect: Pugh + Scarpa Architecture

Location: Santa Monica, California

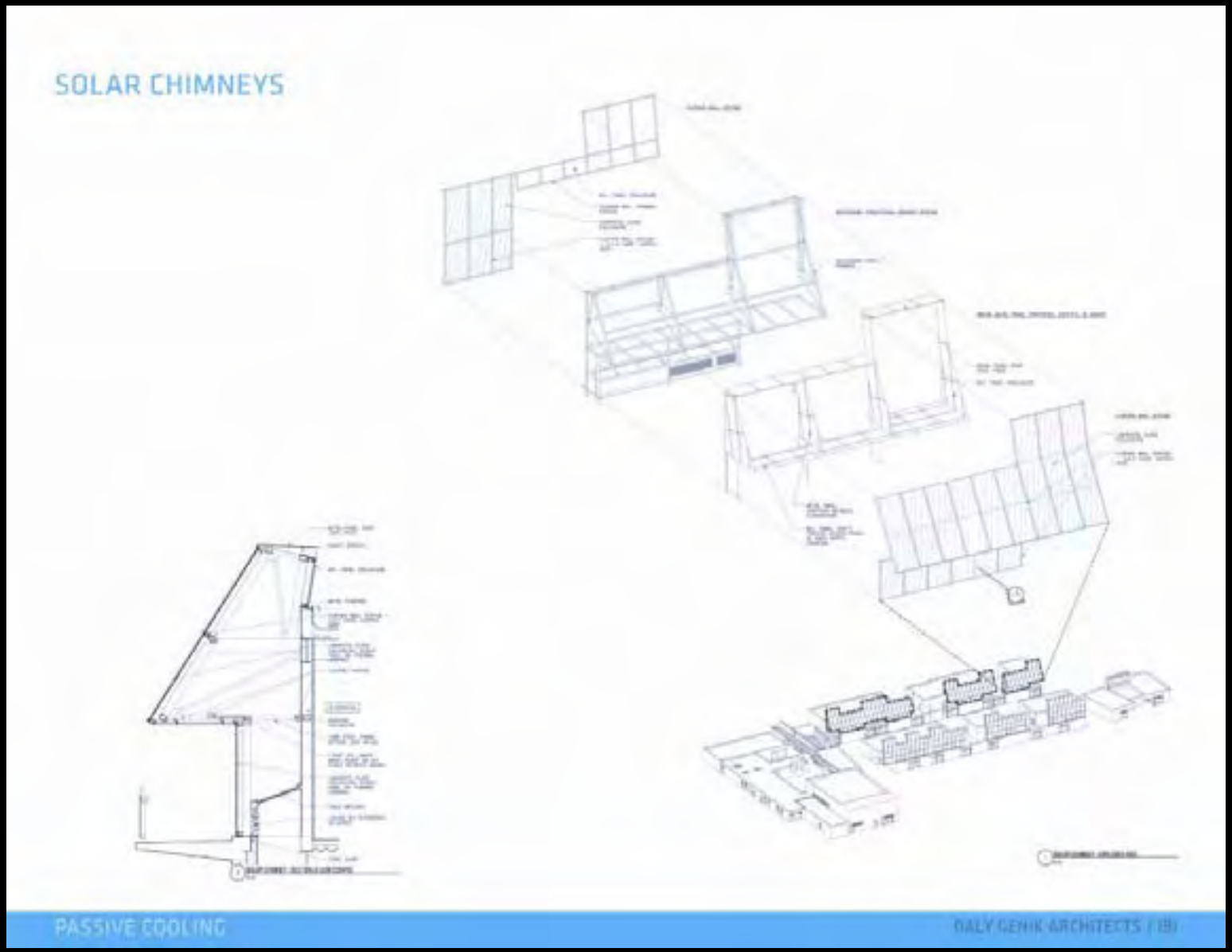

01 EAST PV CANOPY ELEVATION
02 NORTH PV CANOPY ELEVATION
03 NORTH PV CANOPY ELEVATION
City of Santa Monica
Civil Engineering & Architecture
TFO
SUNVISION SOLAR
PV CANOPY ELEVATIONS
PV.03

Alternative Fueling Station Prototype

Architect: Kanner Architects

the store
electric

GM

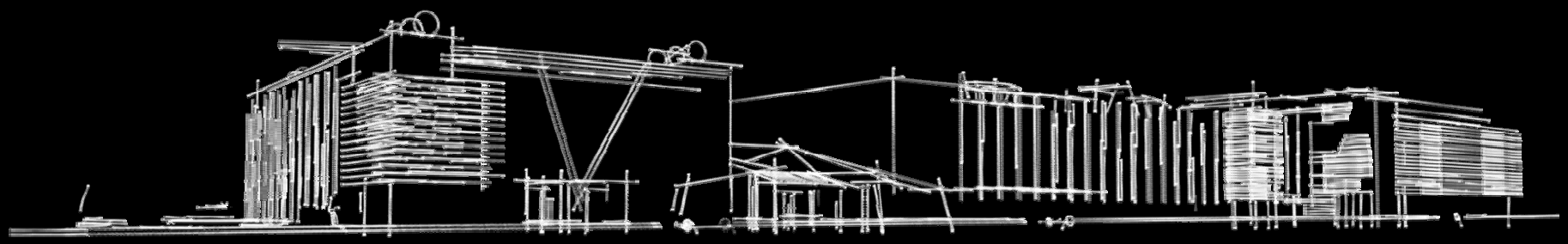


Elementary School

Architect: Daly Genik Architects

Location: Santa Monica, California

On the Boards: LADWP Projects

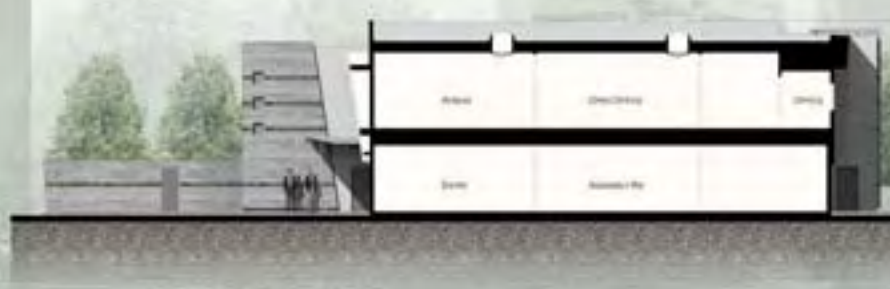


LINCOLN HEIGHTS SERVICE CENTER

LOS ANGELES DEPARTMENT OF WATER AND POWER

FIRST FLOOR PLAN

SECOND FLOOR PLAN



SECTION @ A-A

SECTION @ B-B

N

0 5 10 20 40 FEET

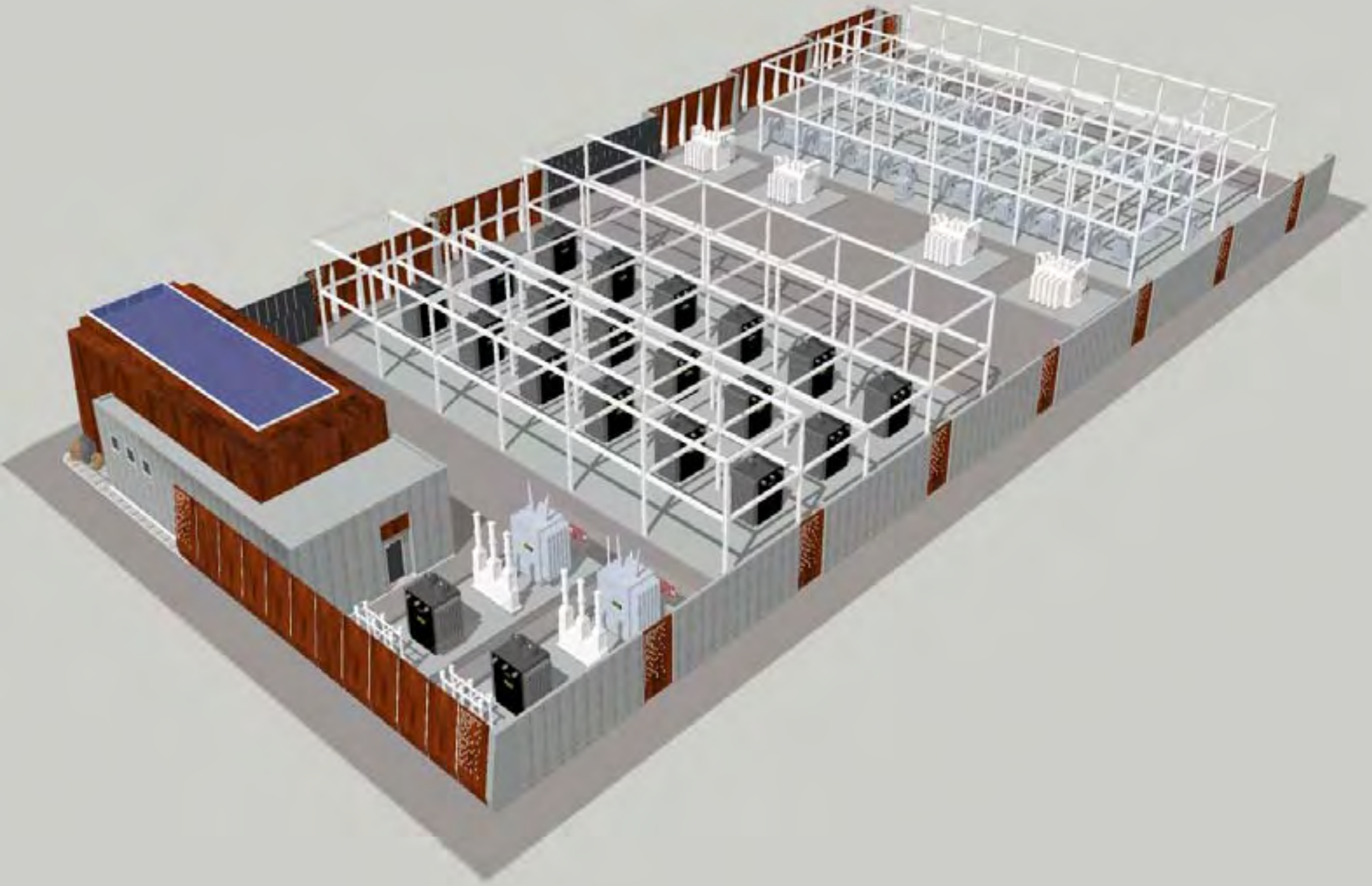
WEST LOS ANGELES HEADQUARTERS

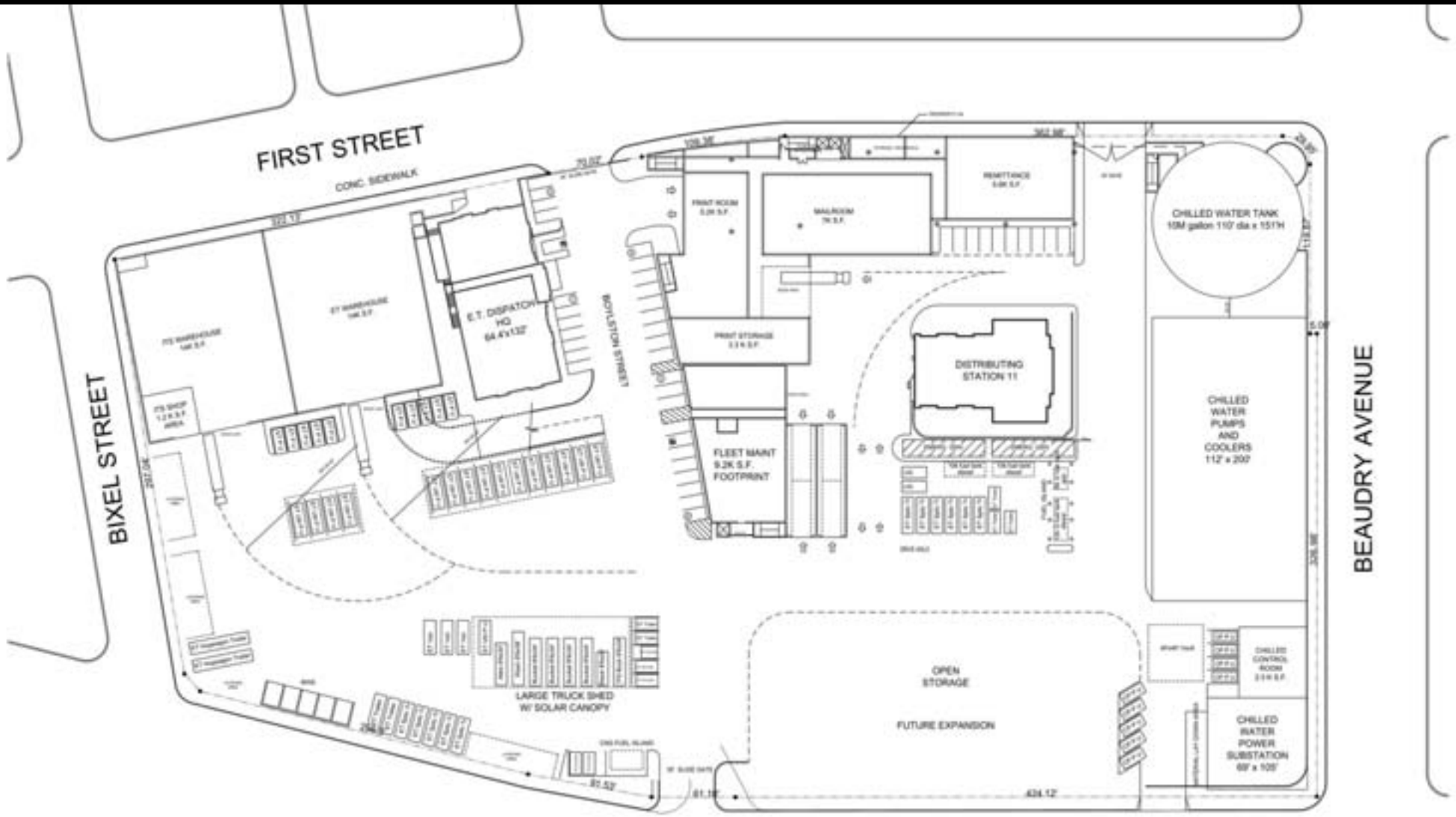
LOS ANGELES DEPARTMENT OF WATER AND POWER

West Los Angeles Headquarters

Los Angeles Department of Water and Power

Distributing Station 144

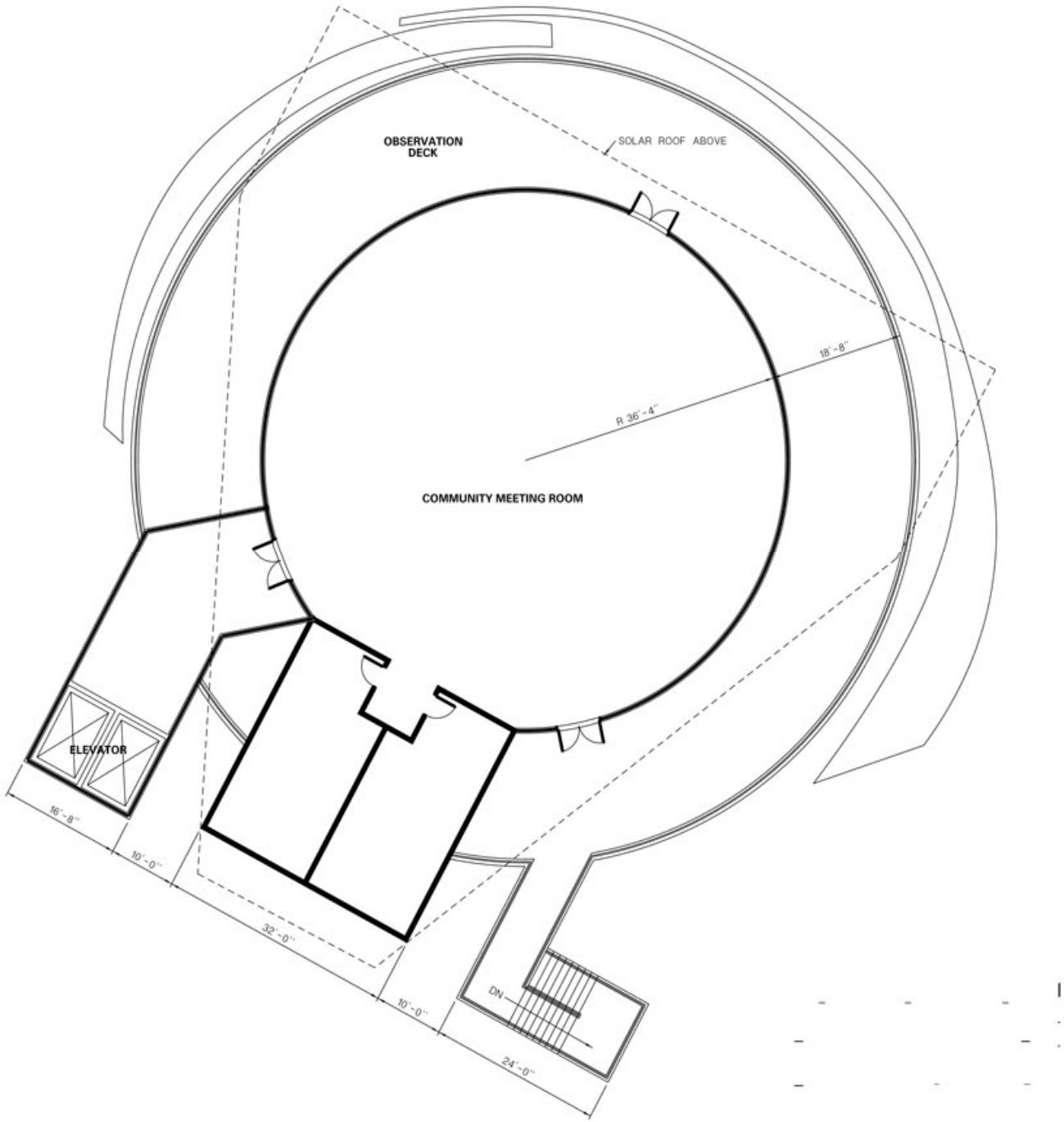


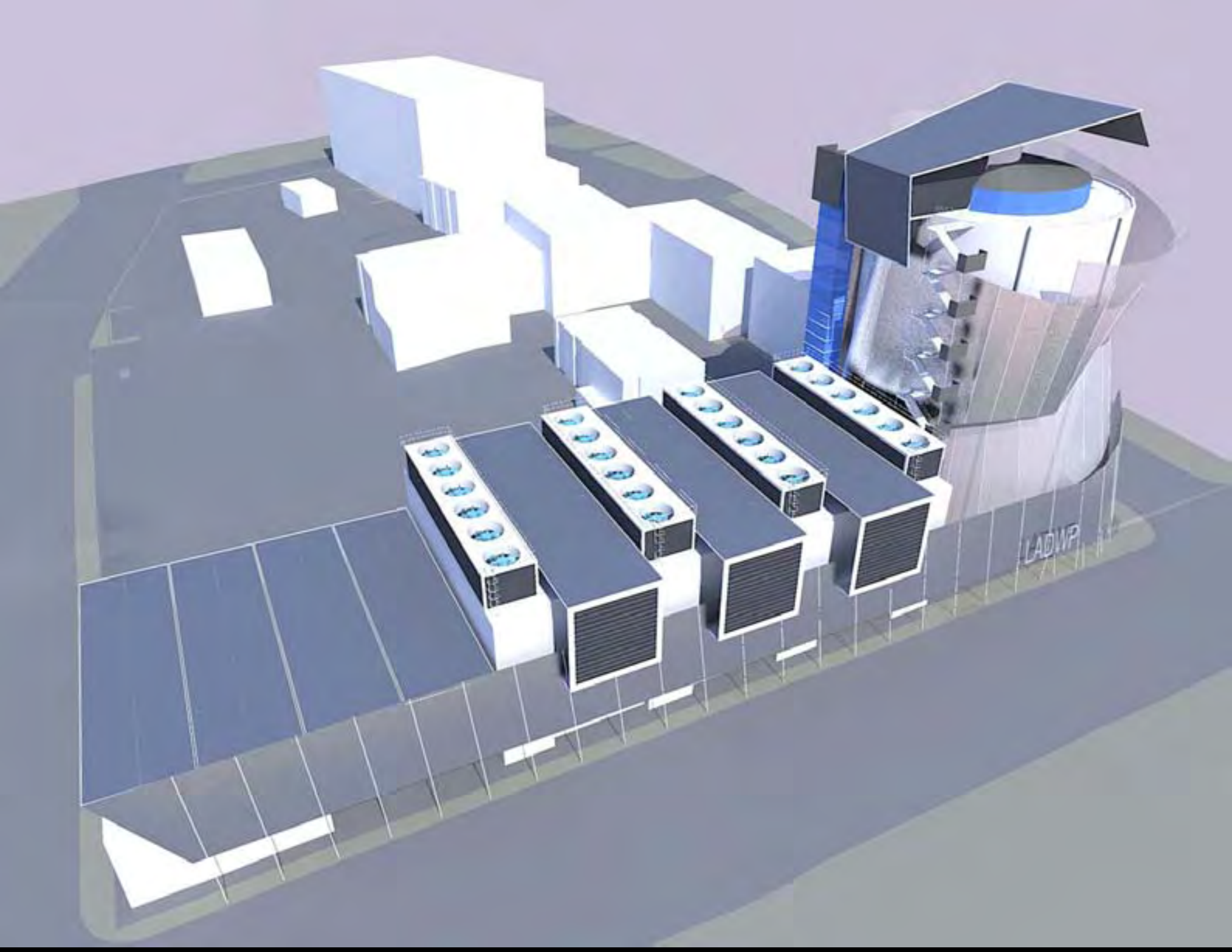


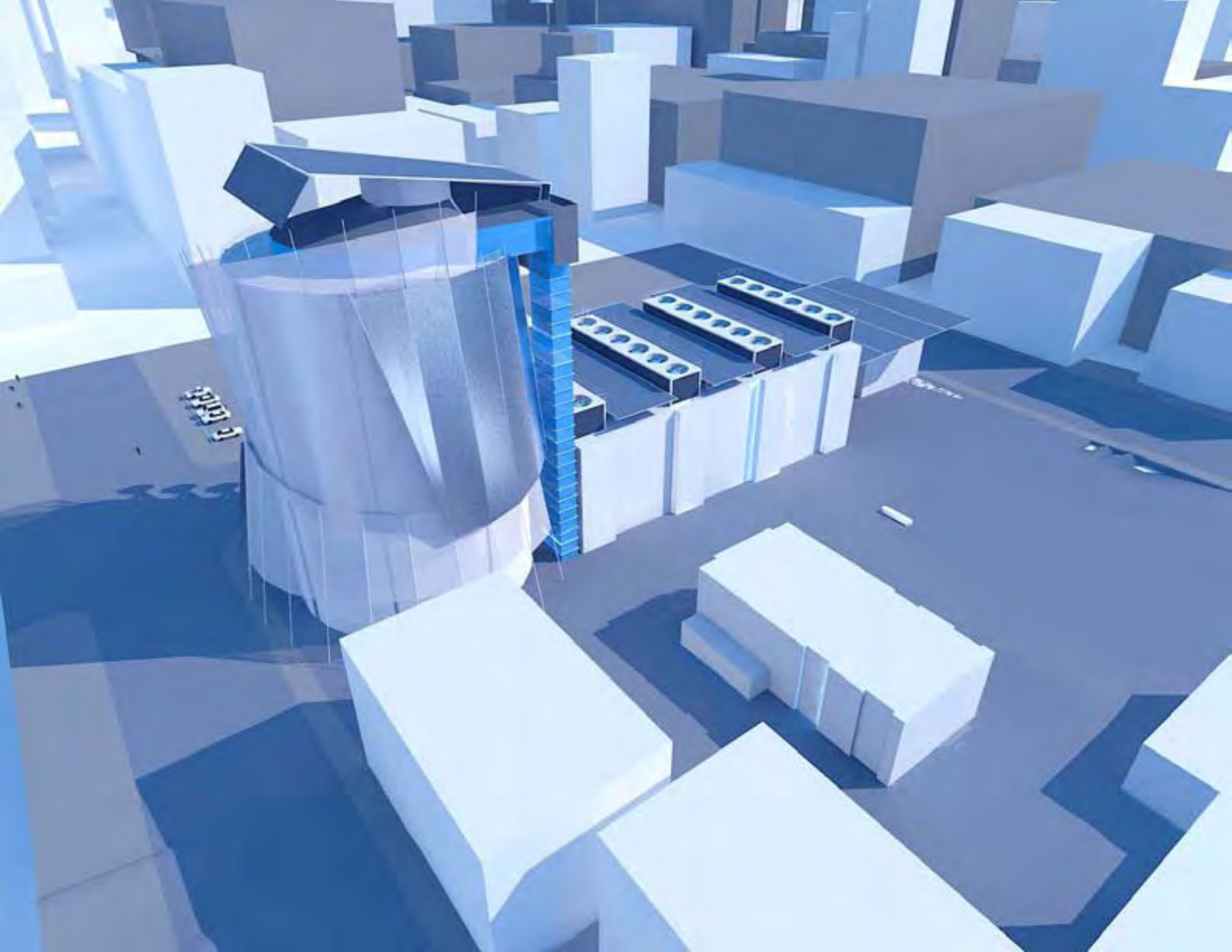
LEVEL 1

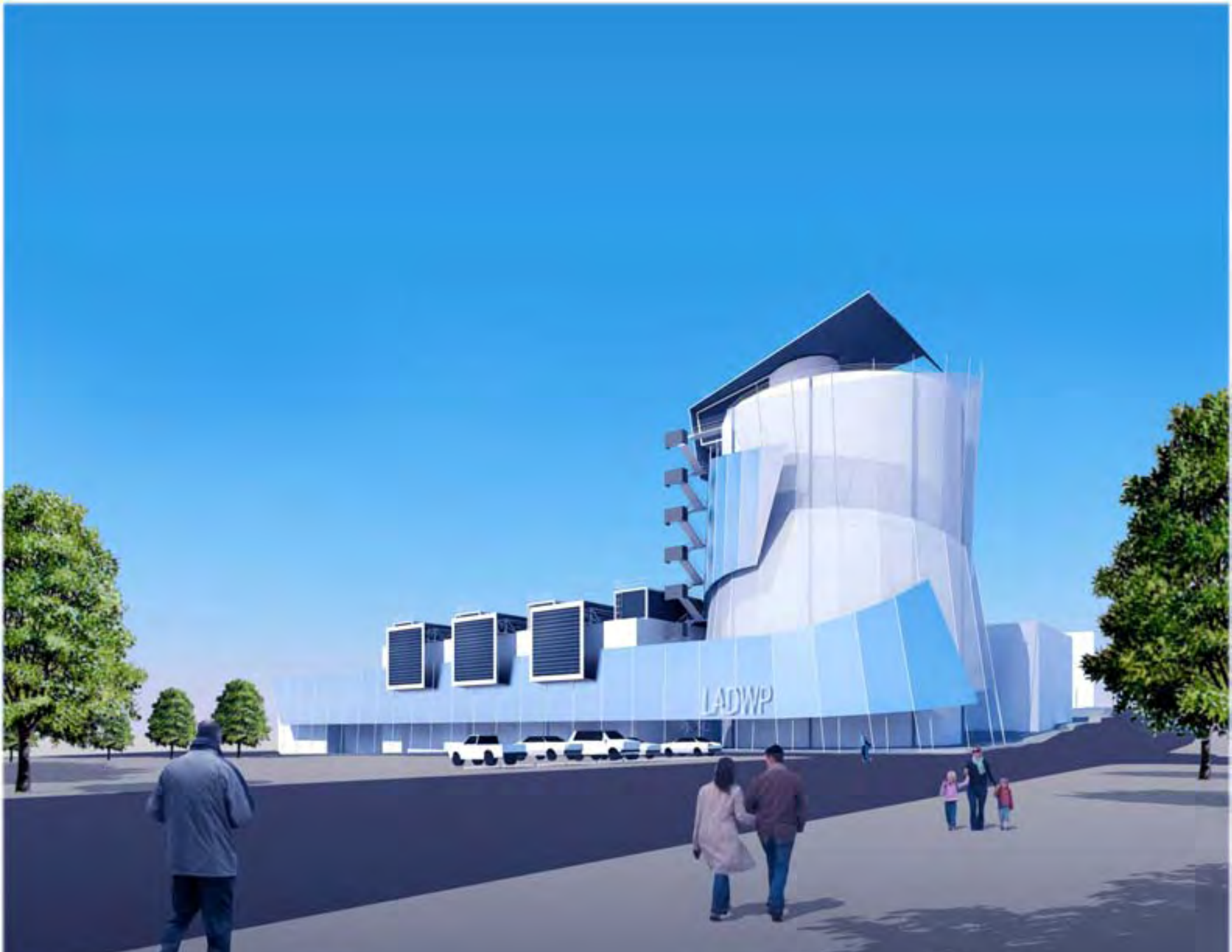
Existing Facility Reuse

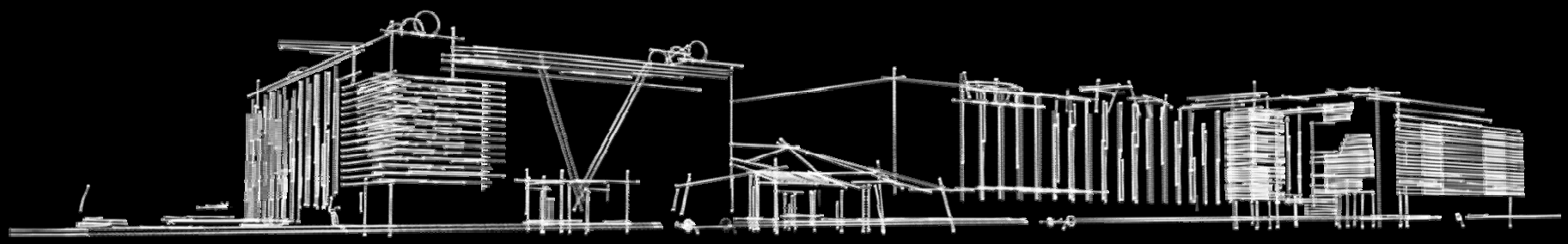
METRO CENTER


OBSERVATION DECK
SOLAR ROOF ABOVE
18'-8"
R 36'-4"
COMMUNITY MEETING ROOM
ELEVATOR
16'-8"
10'-0"
32'-0"
10'-0"
24'-0"
DN

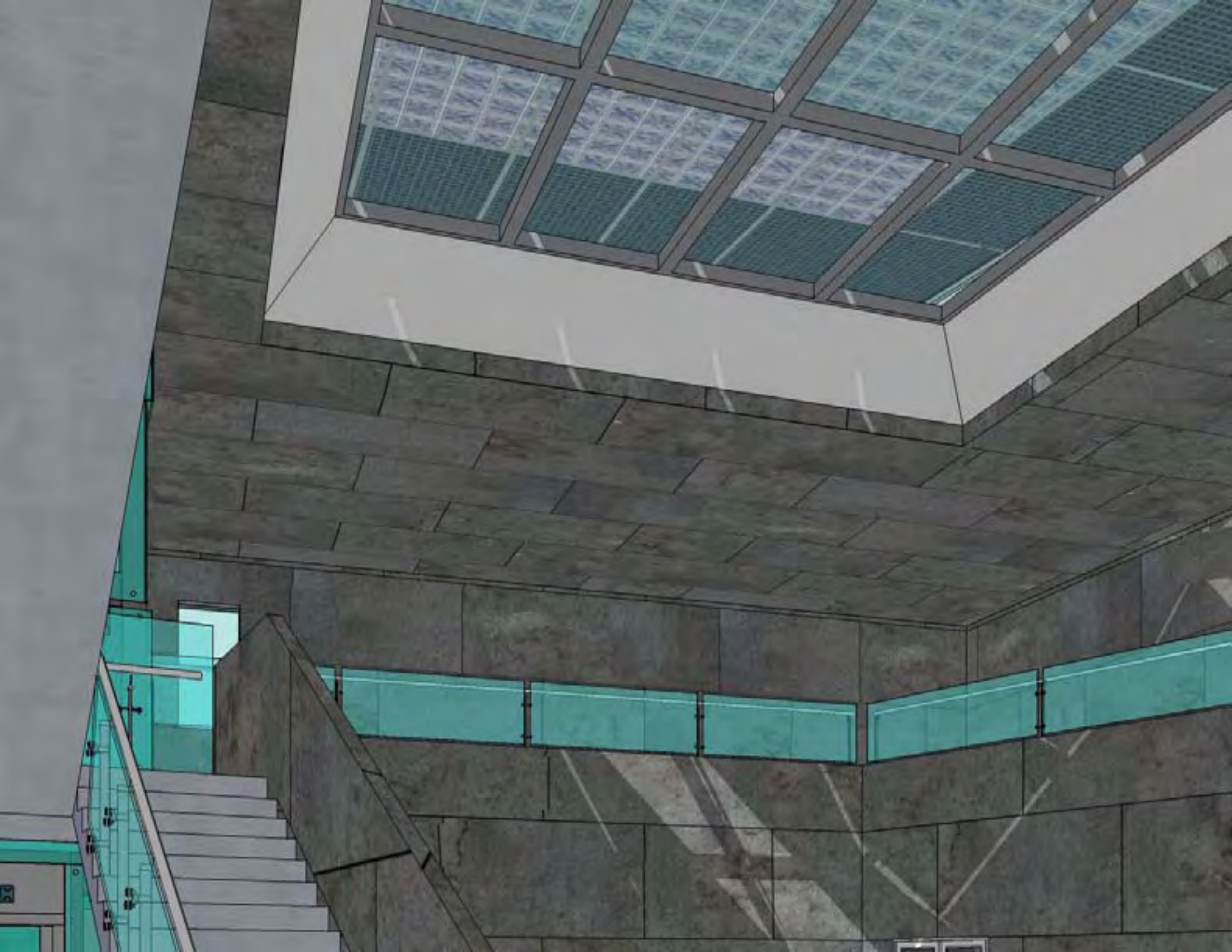

LADWP

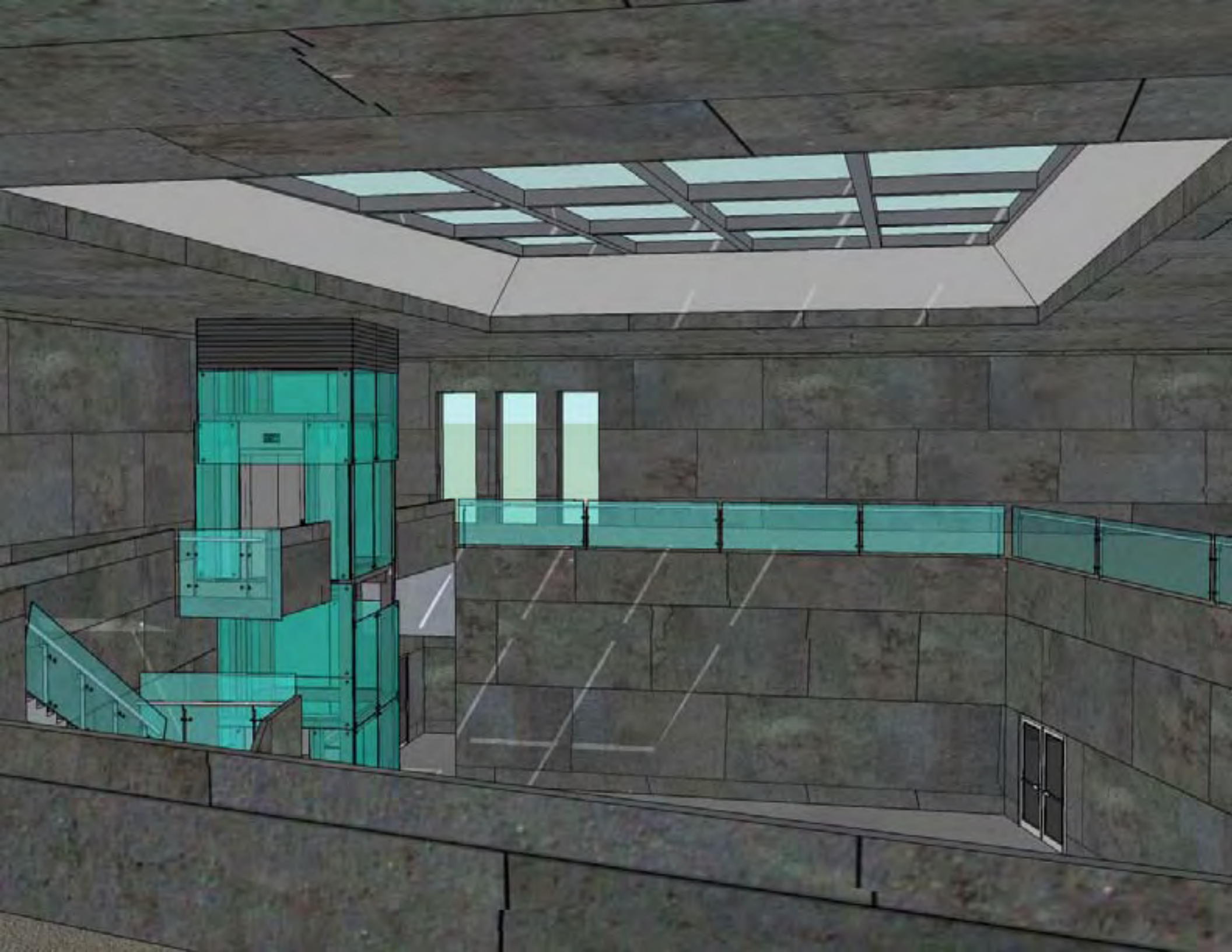



LADWP



Oxnard St. Technology and Customer Service Demonstration Center





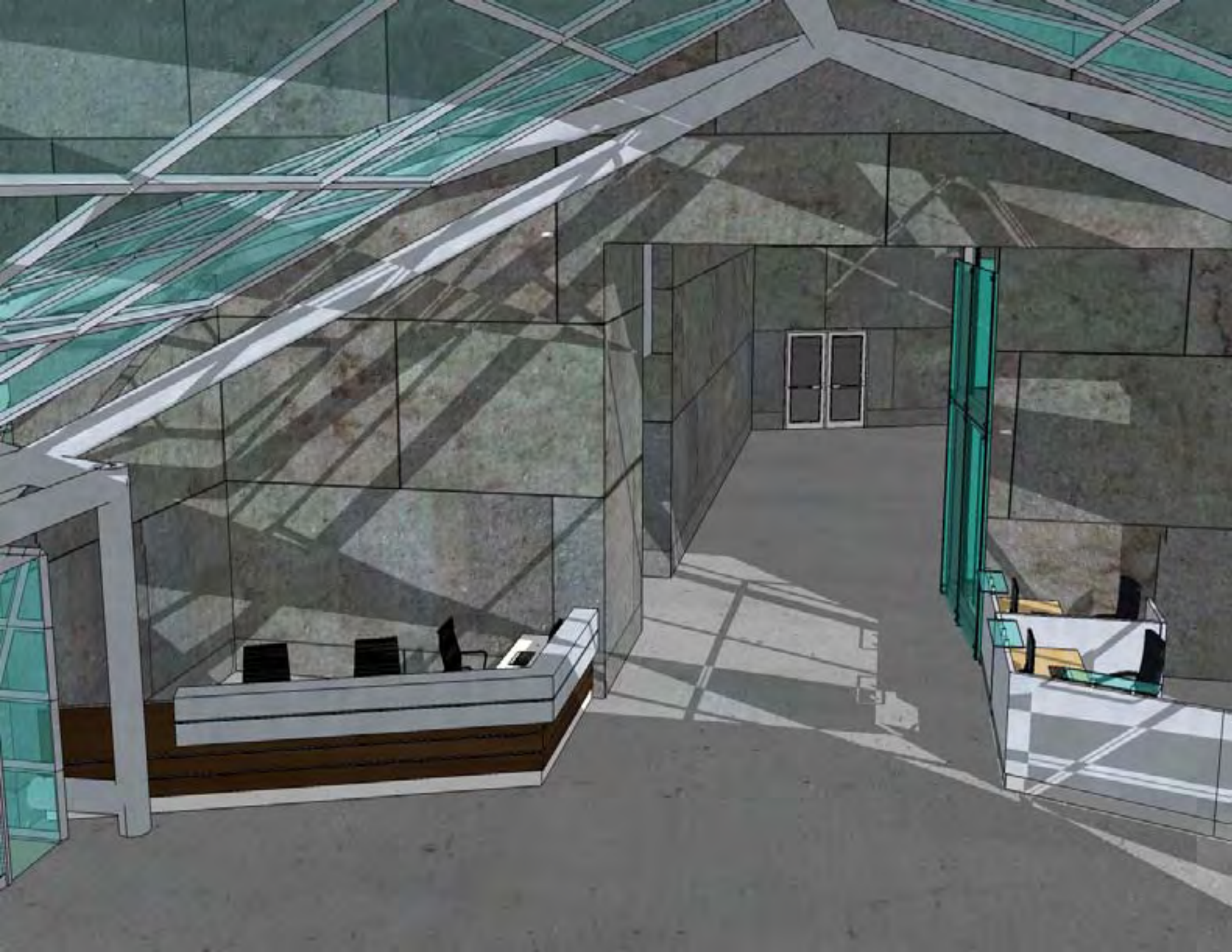


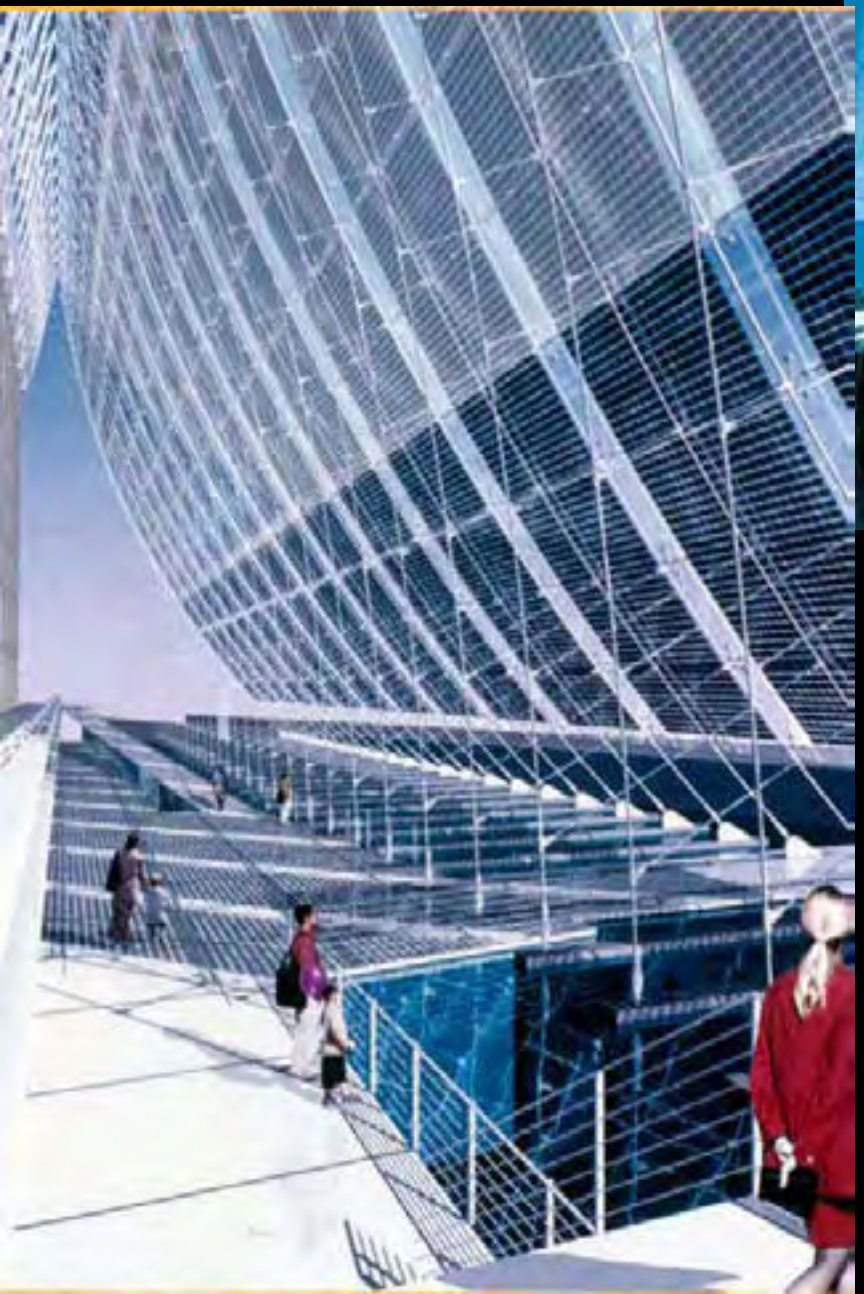
Image © 2008 DigitalGlobe

On the Boards: International Projects

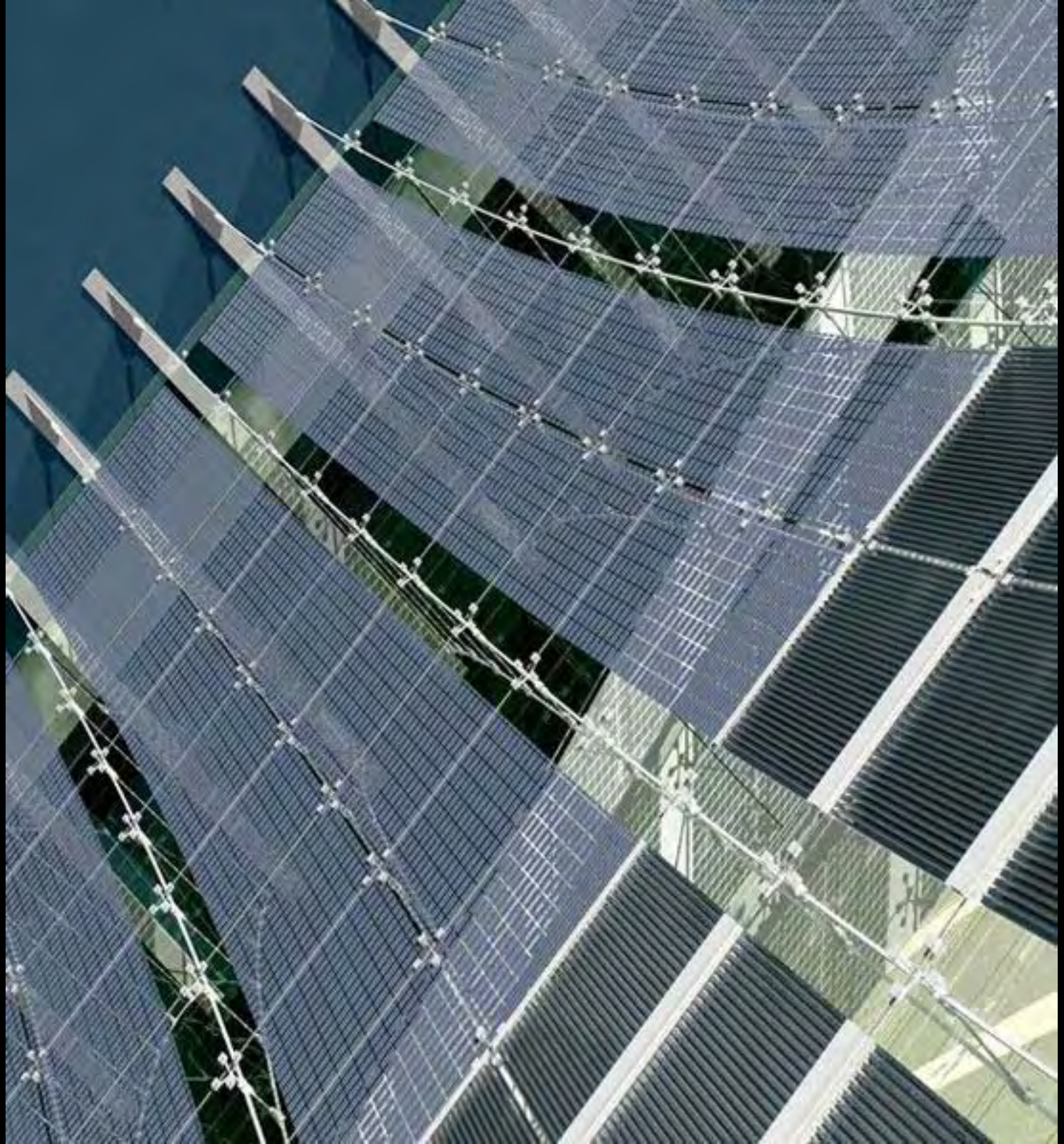
Tower 2020

Kiss – Cathcart Architects

10 wind turbines



US Department of Energy Building
Solar Competition Ove Arup

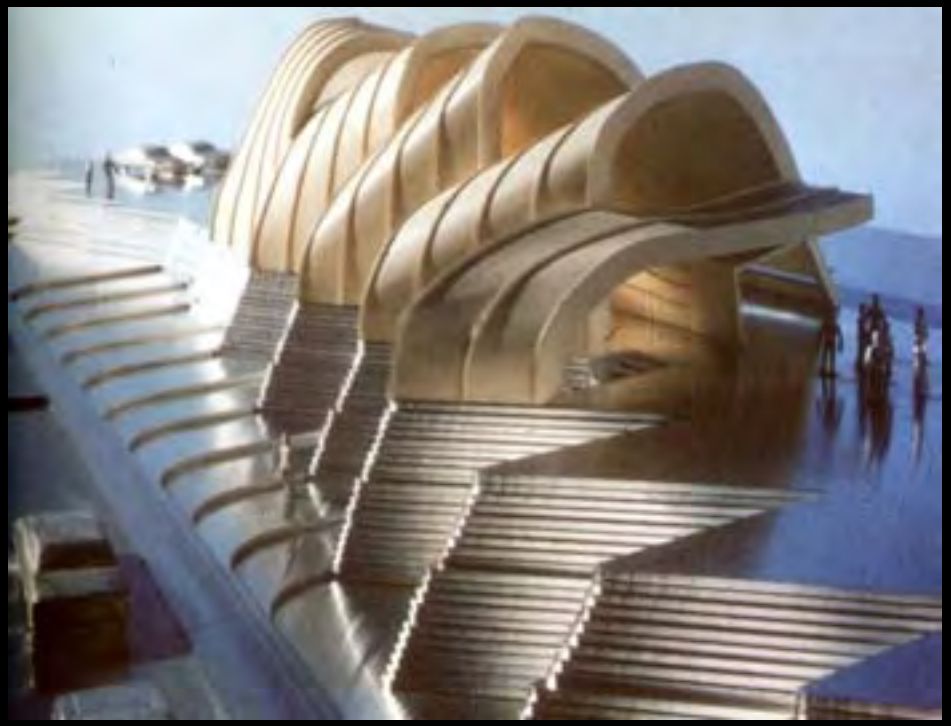


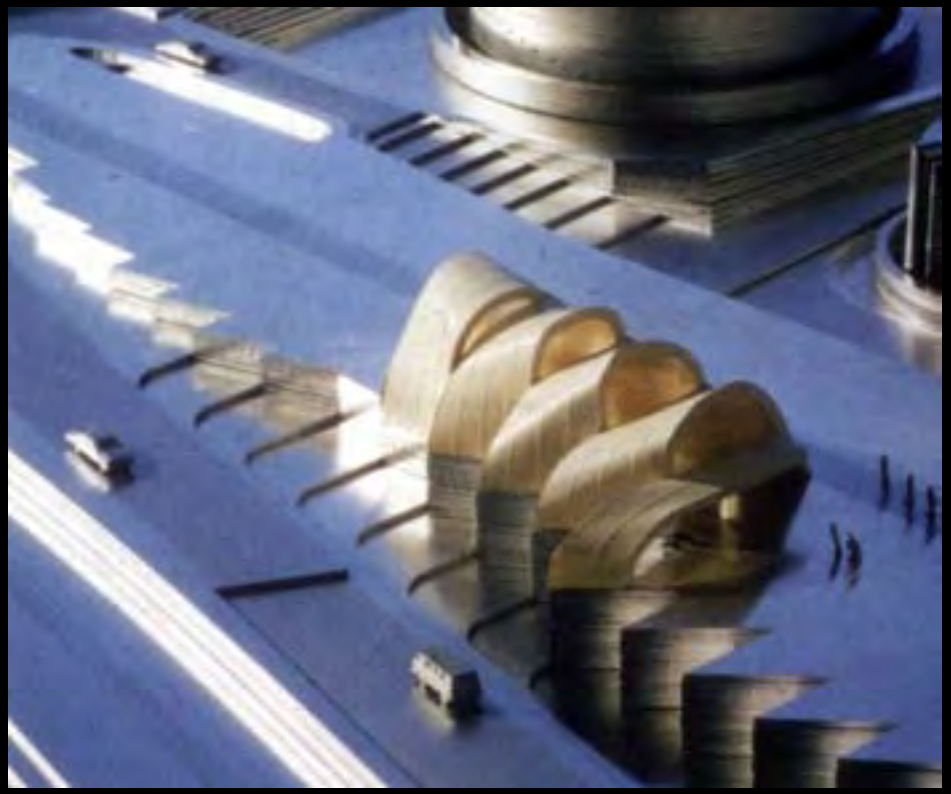
COR Building

Architect: Chad Oppenheim Architecture + Design

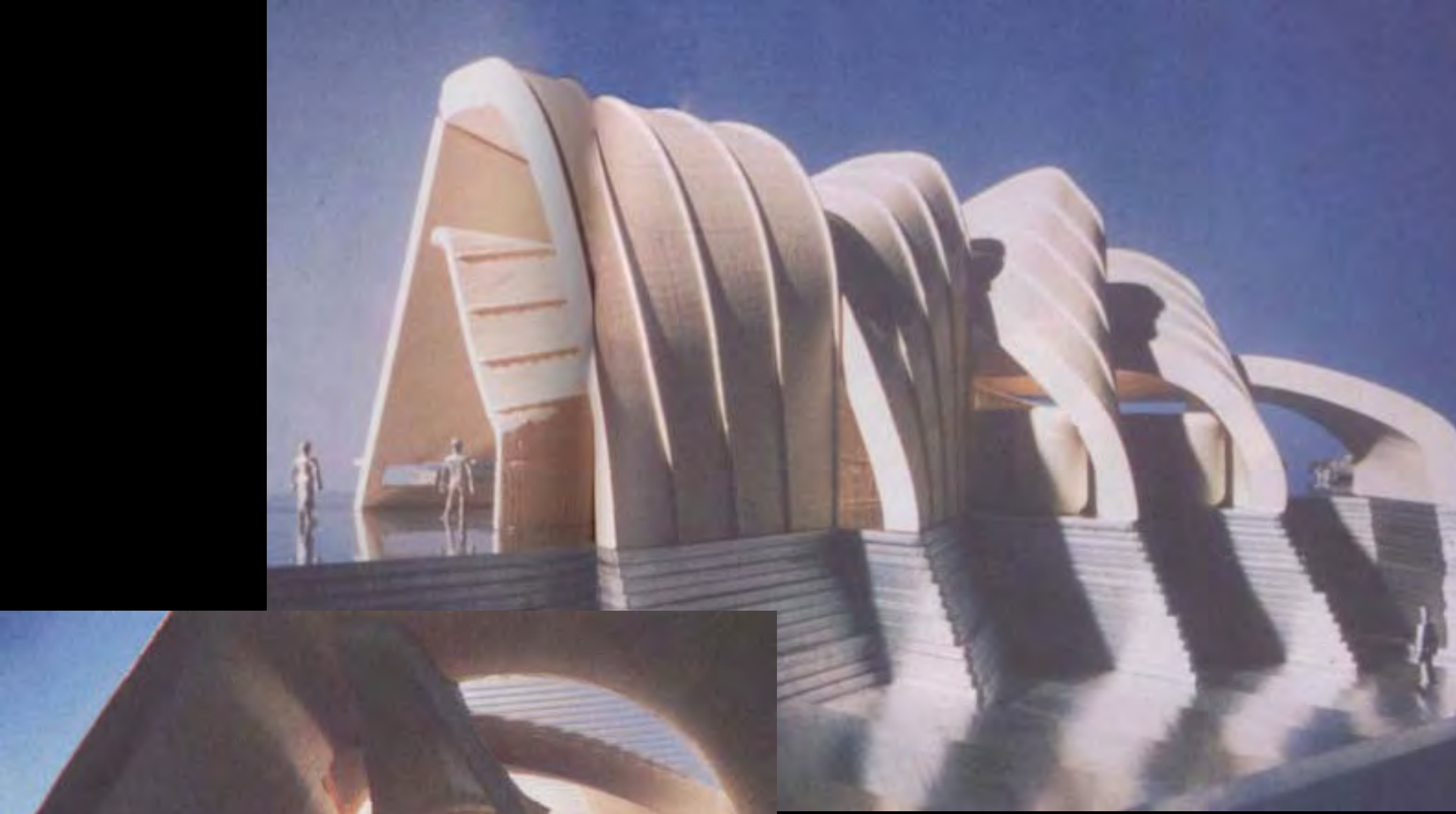
Location: Miami, Florida

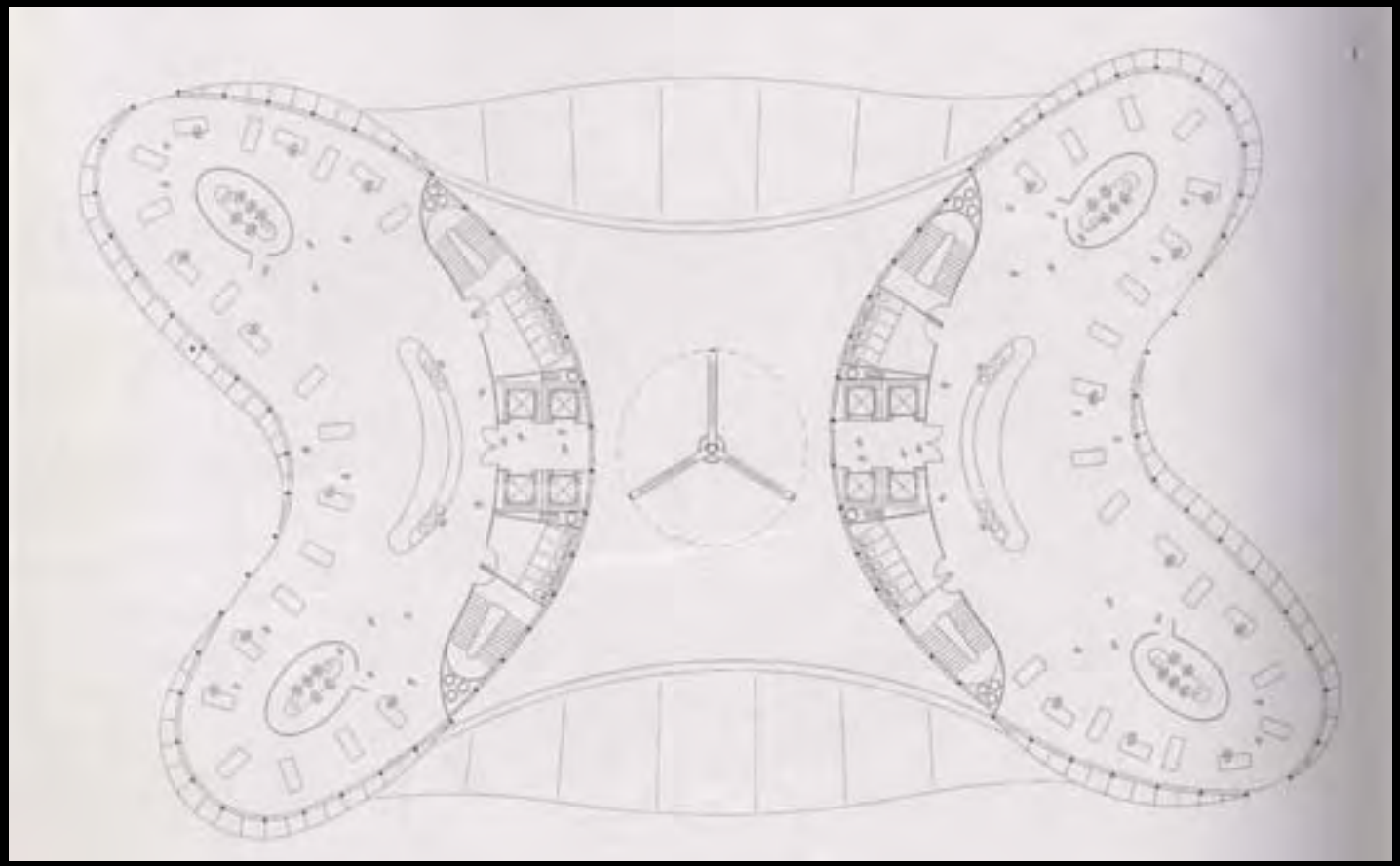
Giant Stadium, New York
HOK

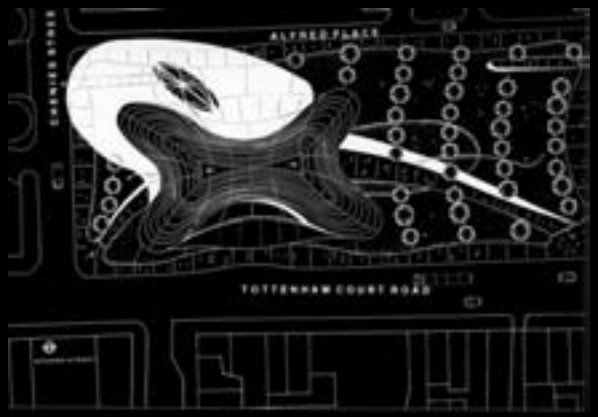




Austrian Mineral Oil Visitor Center
Vienna M-Form



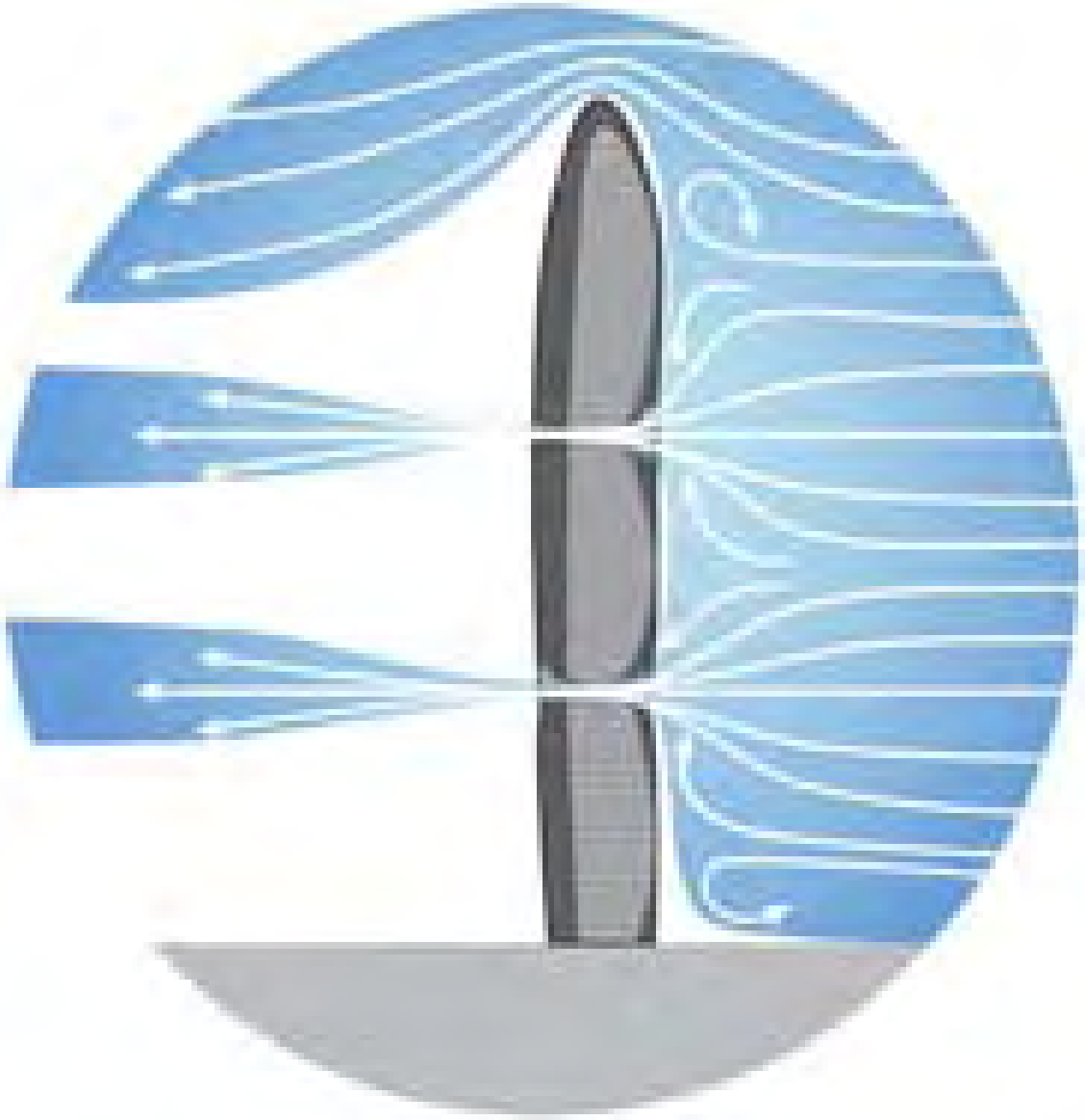




Project ZED

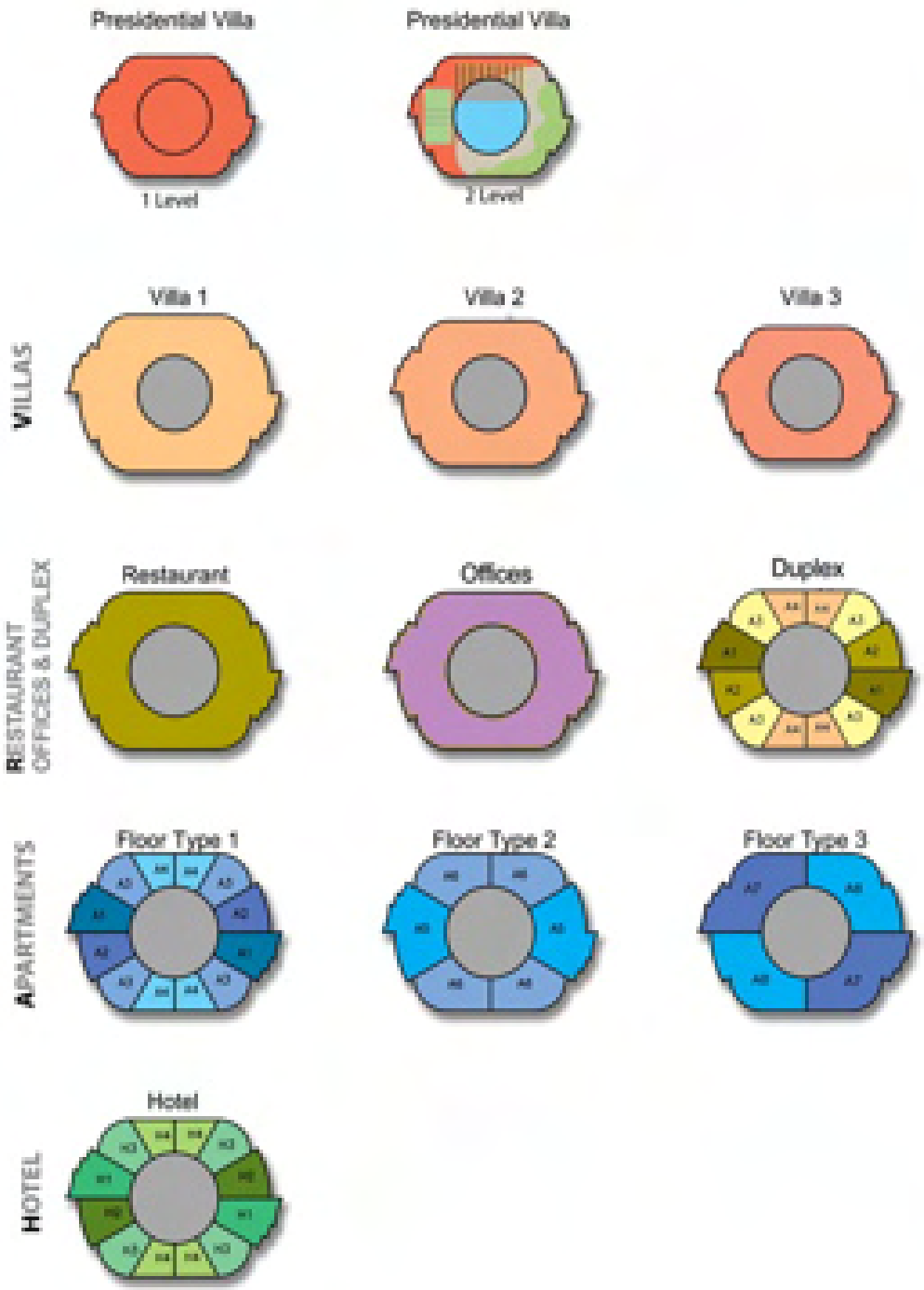
London Future Systems

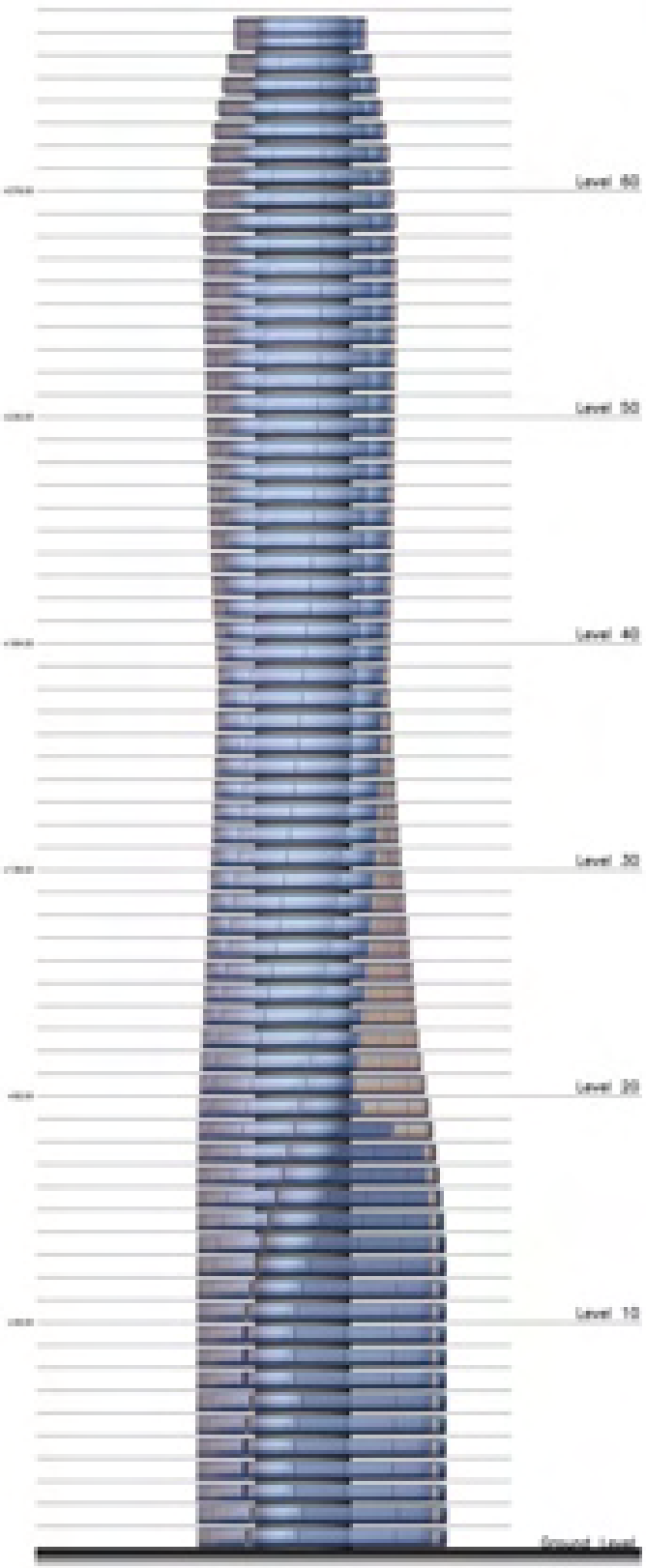
Windstorm Building
Seattle Washington

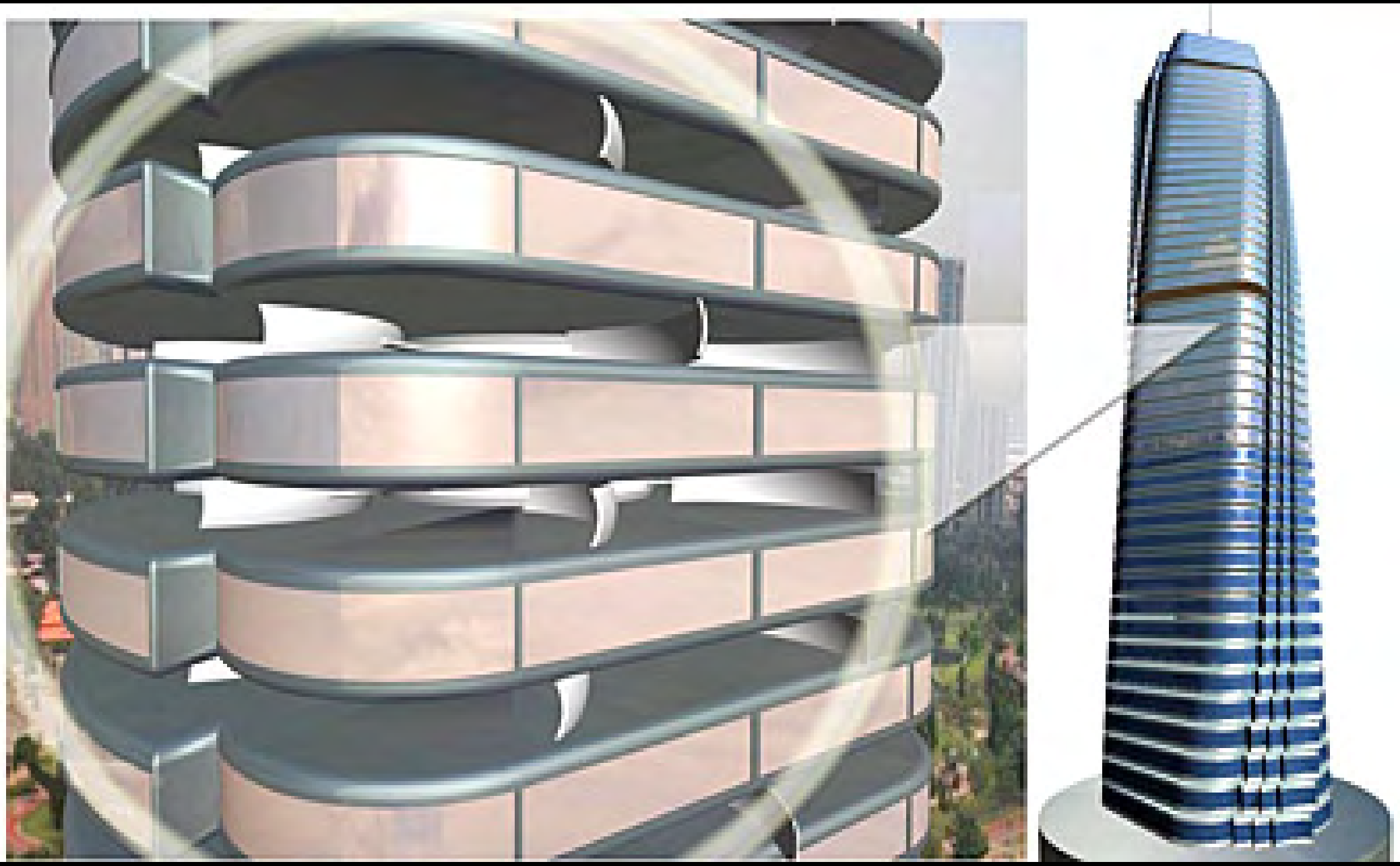


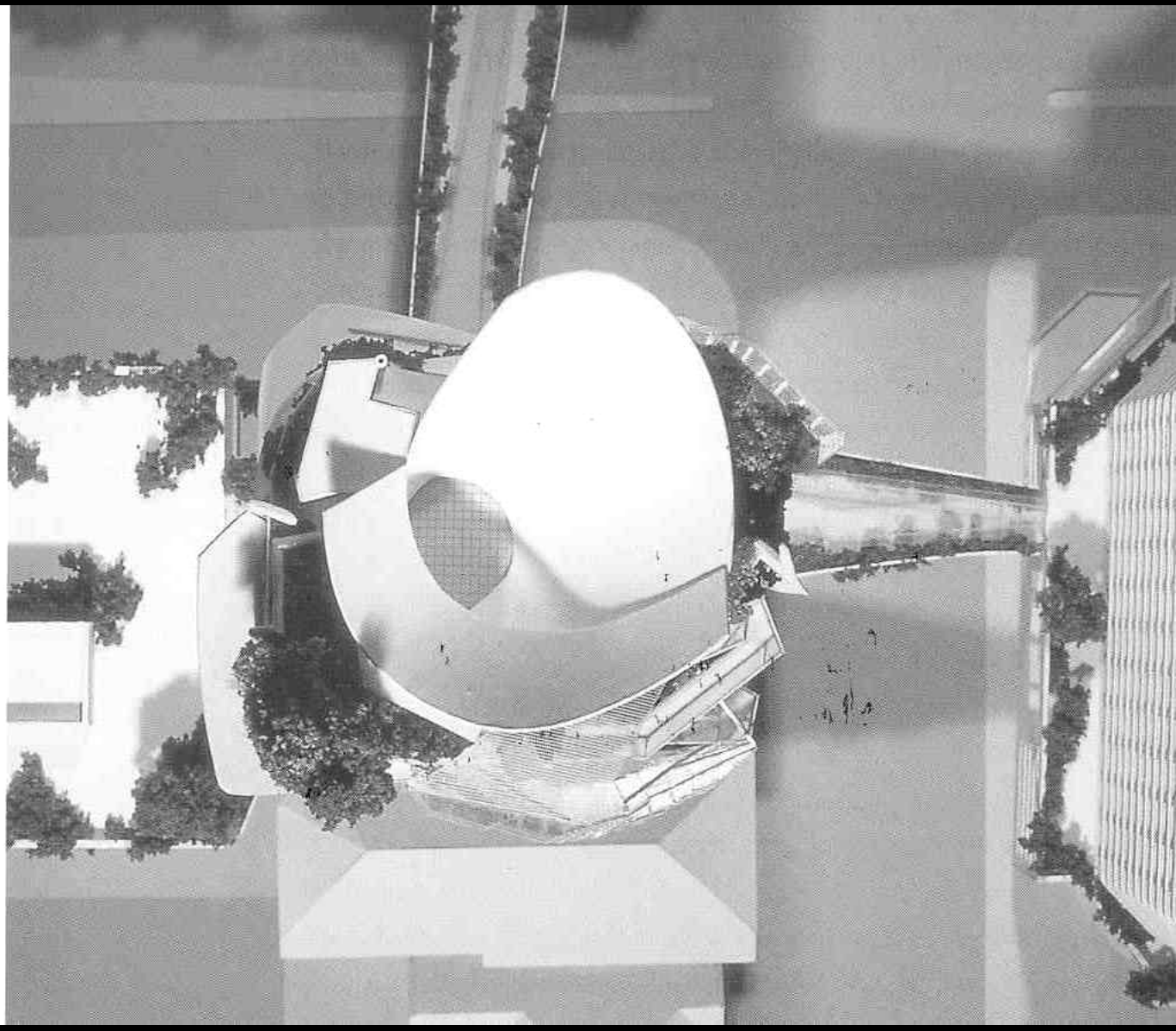
THE ROTATING TOWER
Dynamic Architecture
David Fisher

GENERAL SCHEME

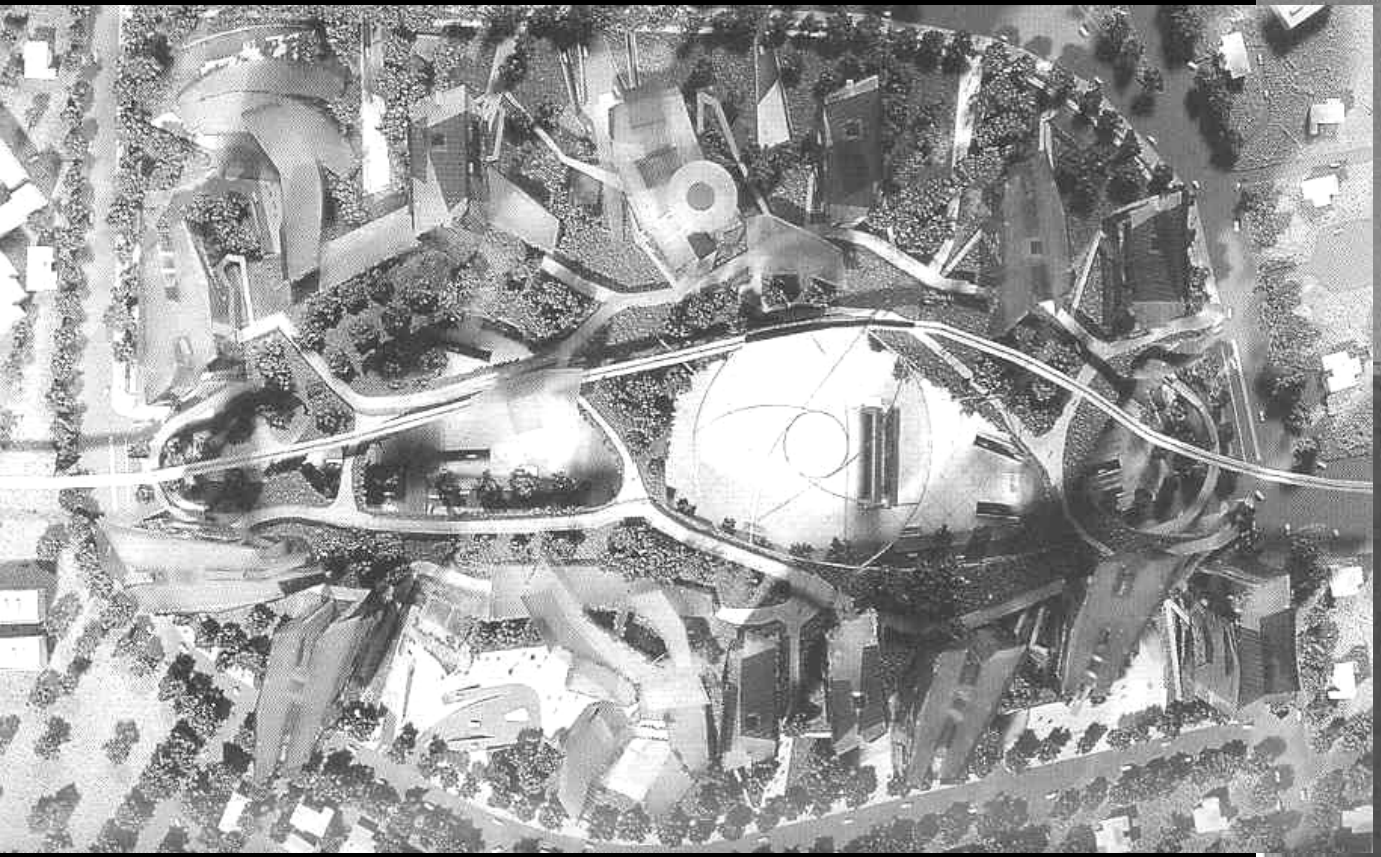








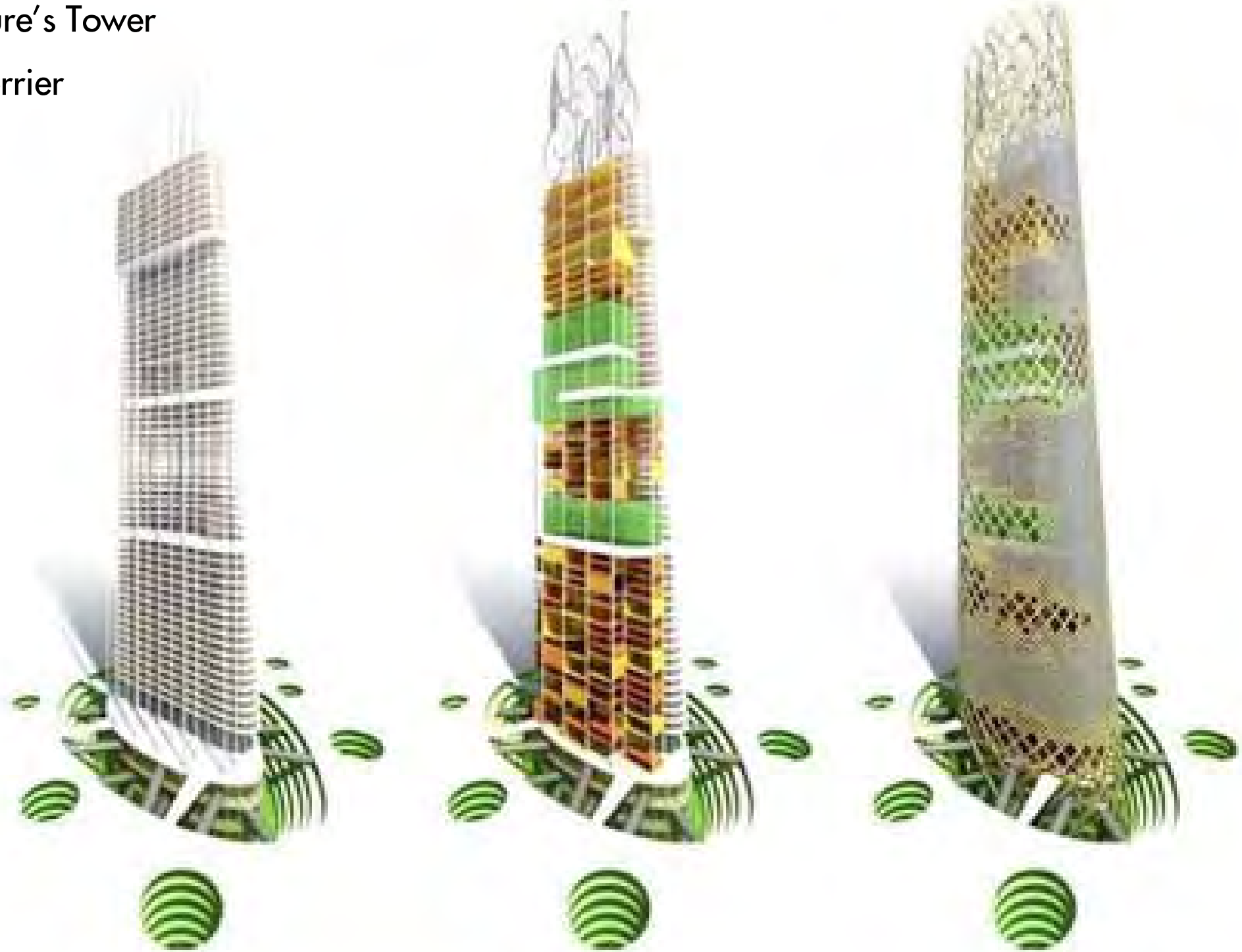
EDITT Tower



BATC Tower, Malaysia

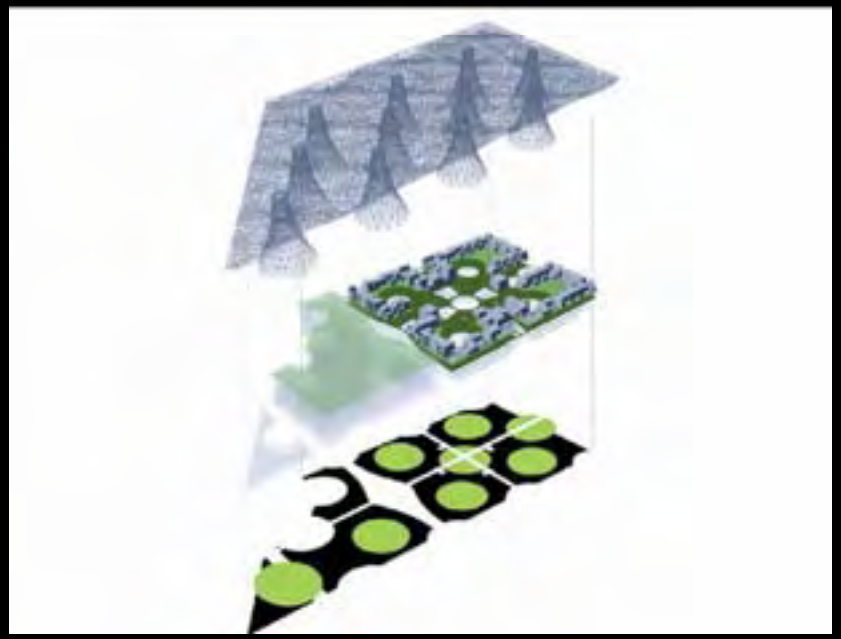
Nature's Tower

F. Ferrier



5 DE SEP

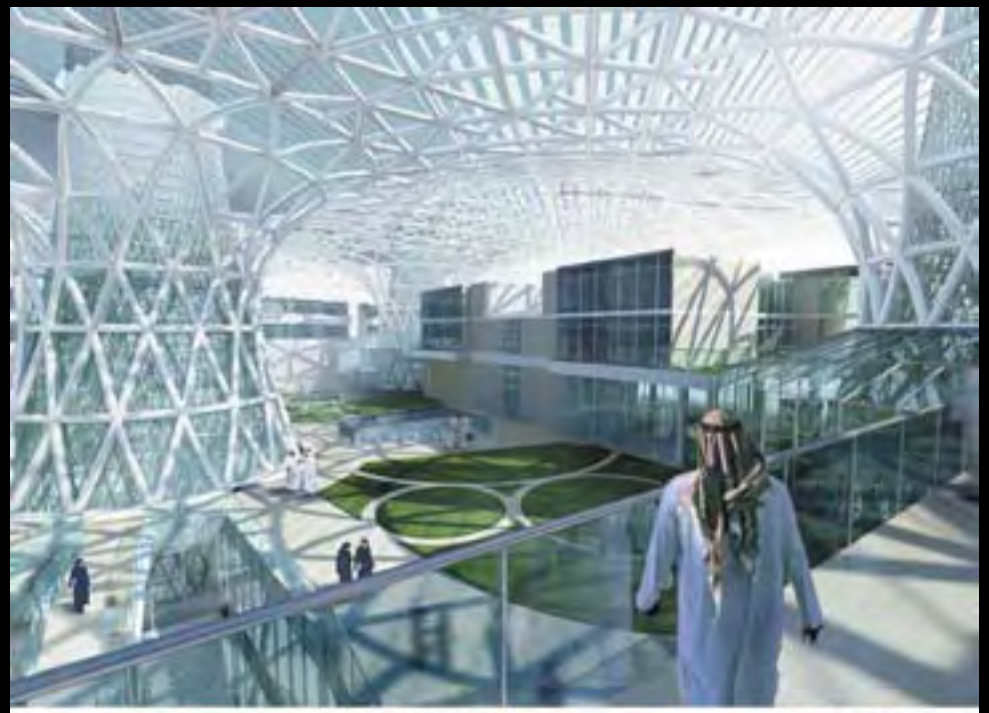
The Ecology High-Rise
Pierre Callebaut
Mexico City



Masdar Headquarters

Architect: Adrian Smith + Gordon Gill Architecture LLP

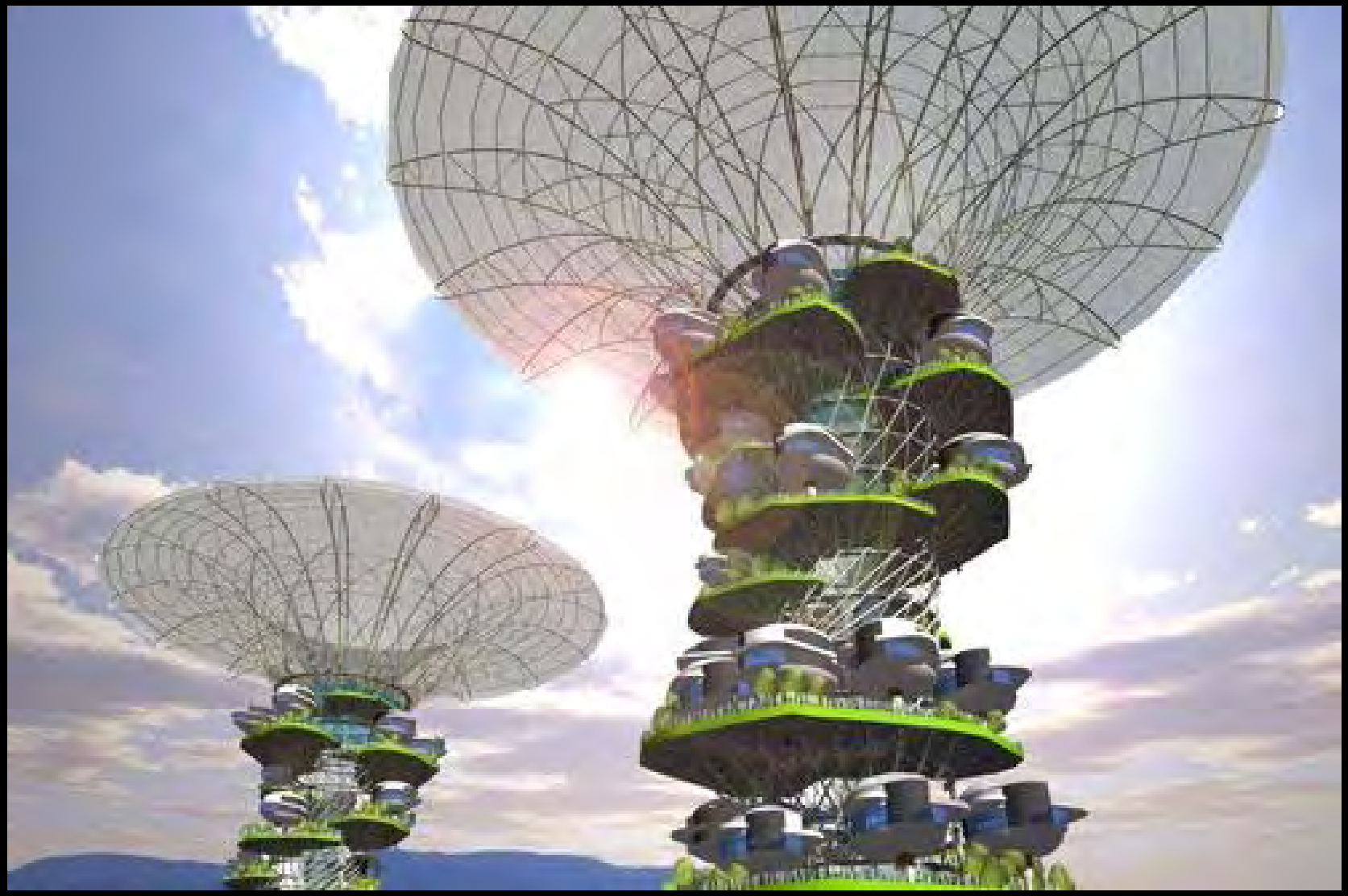
Location: Abu Dhabi, United Arab Emirates



Tropicool @ KL

Architect: University of Putra, Malaysia

Location: Kuala Lumpur



Conclusion

This is the most important moment in the history of architecture. If the architects don't attack this problem, the world does not have a chance…"

Edward Mazria

love them enough
to talk about sex
life

Thank you for your time!

QUESTIONS??

This concludes the American Institute of Architects
Continuing Education Systems Program

AIA Los Angeles
A Chapter of the American Institute of Architects

3780 Wilshire Boulevard, Suite 800
Los Angeles, CA 90010
www.aialosangeles.org | info@aialosangeles.org
213.639.0777