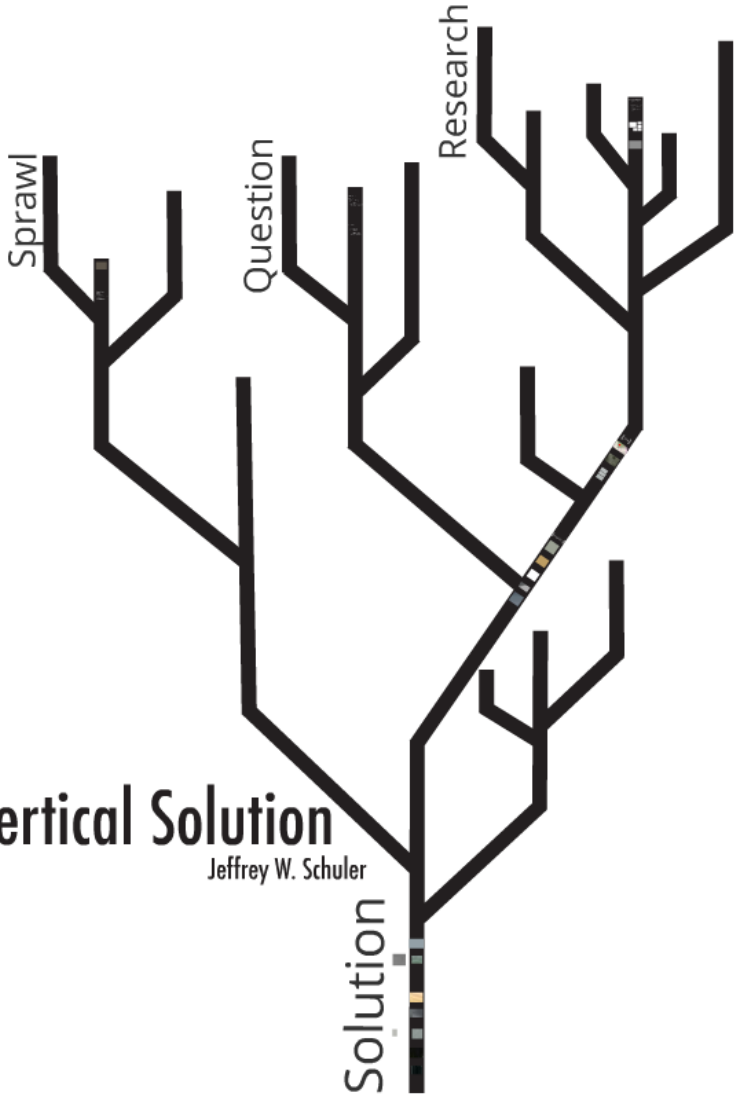


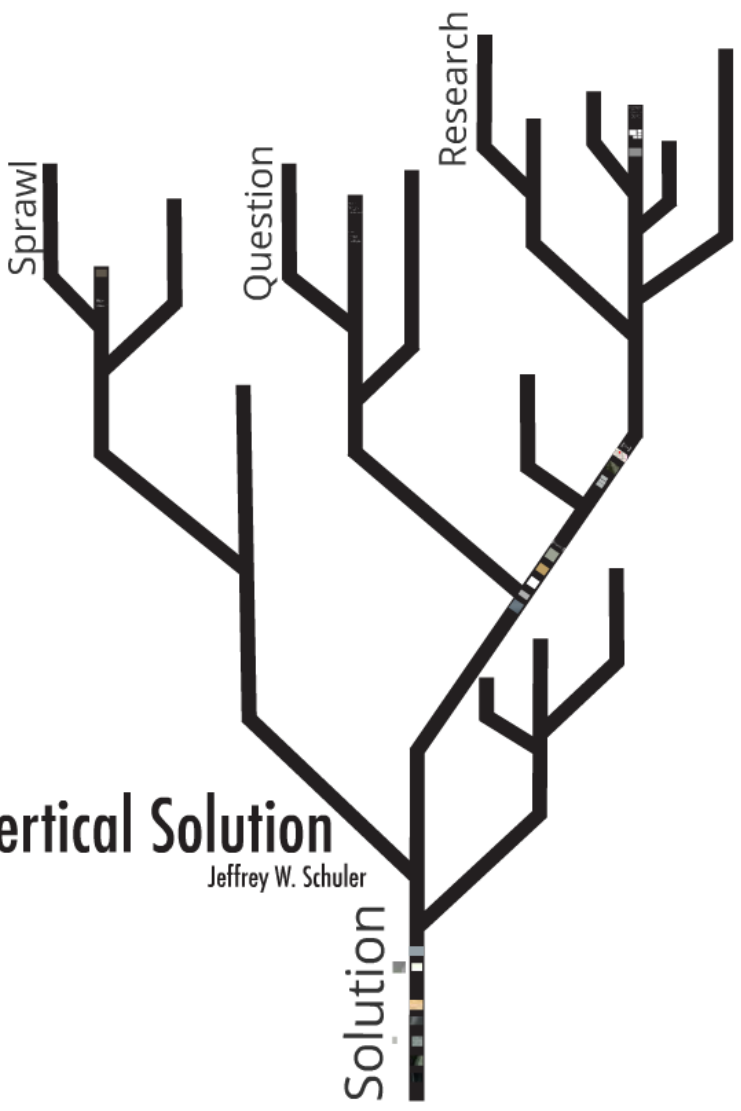
Cultivate: A Vertical Solution

Jeffrey W. Schuler

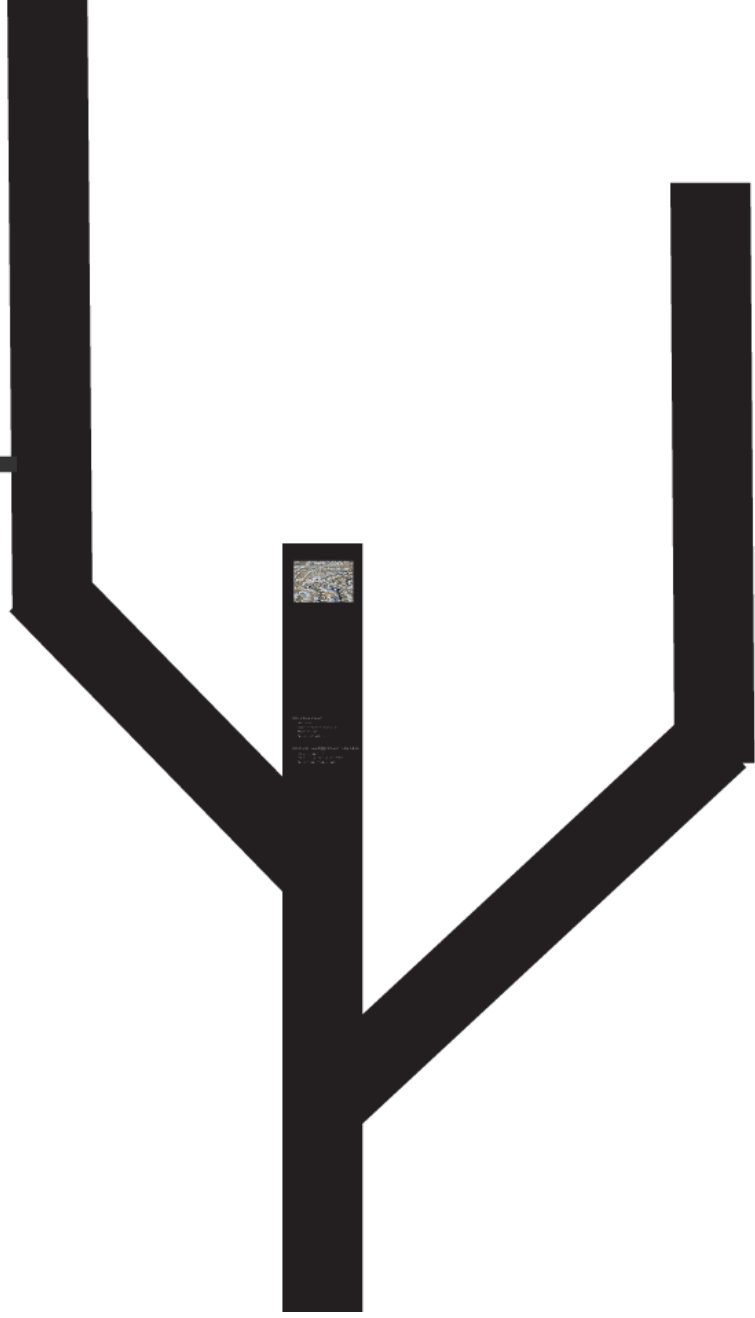


Cultivate: A Vertical Solution

Jeffrey W. Schuler



Sprawl



Question



Why is this a problem

Lack of People

Cars are the Only Mode of Transportation

Weak sense of place

High Cost of Moving Around

Why this Will be a Bigger Problem in the Future

Less Room for Agriculture

Less Room for Nature and Natural Processes

High Cost Energy or Energy Shortages

Question

Question:
How do
architects
define
Suburban Sprawl

Strategy: What are the elements
of
Create
an alternative
Alternative
to generate ideas.

Res

Question:

How can

architects

help stop

Suburban Sprawl

Typology: Mixed Use Vertical farm

Claim:
As Designers and Developers

Architects have the ability to
create

desirable, compact

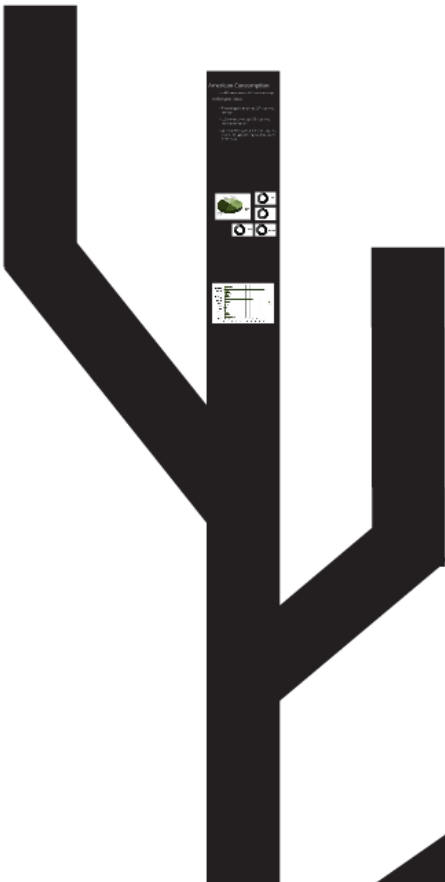
population centers that can be an

Alternative
to sprawling suburbs

Questions
for
architects
The
Sustainable Square



Research



Architectural Consumption
The
Sustainable Square

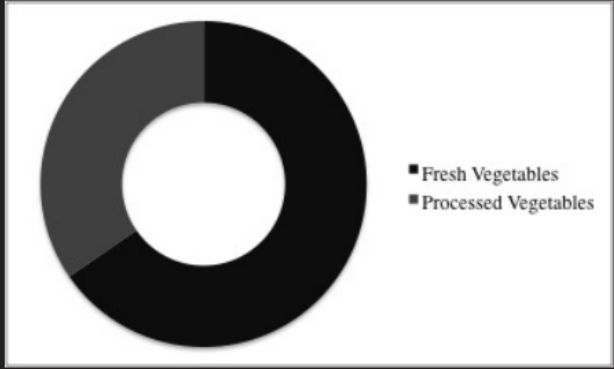
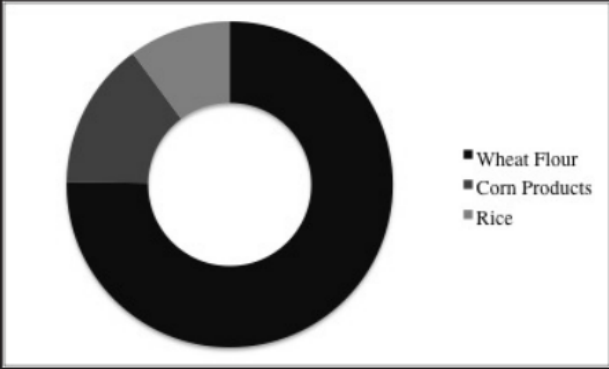
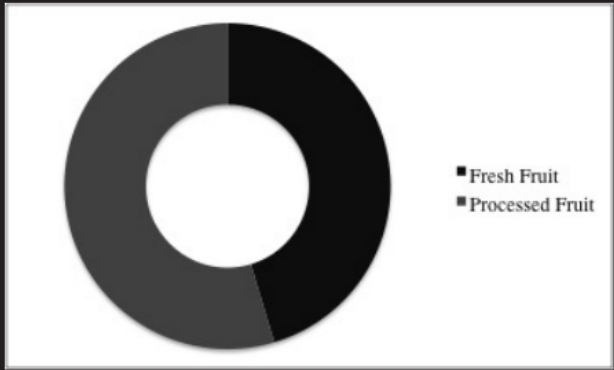
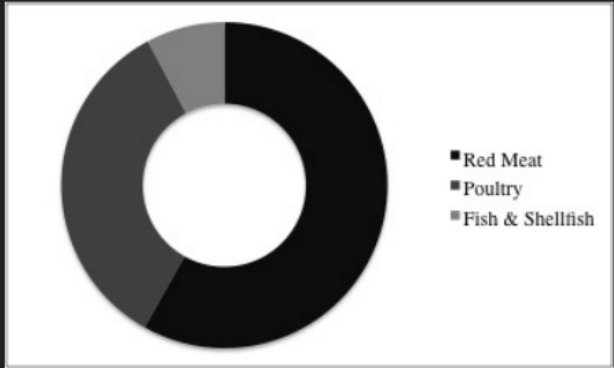
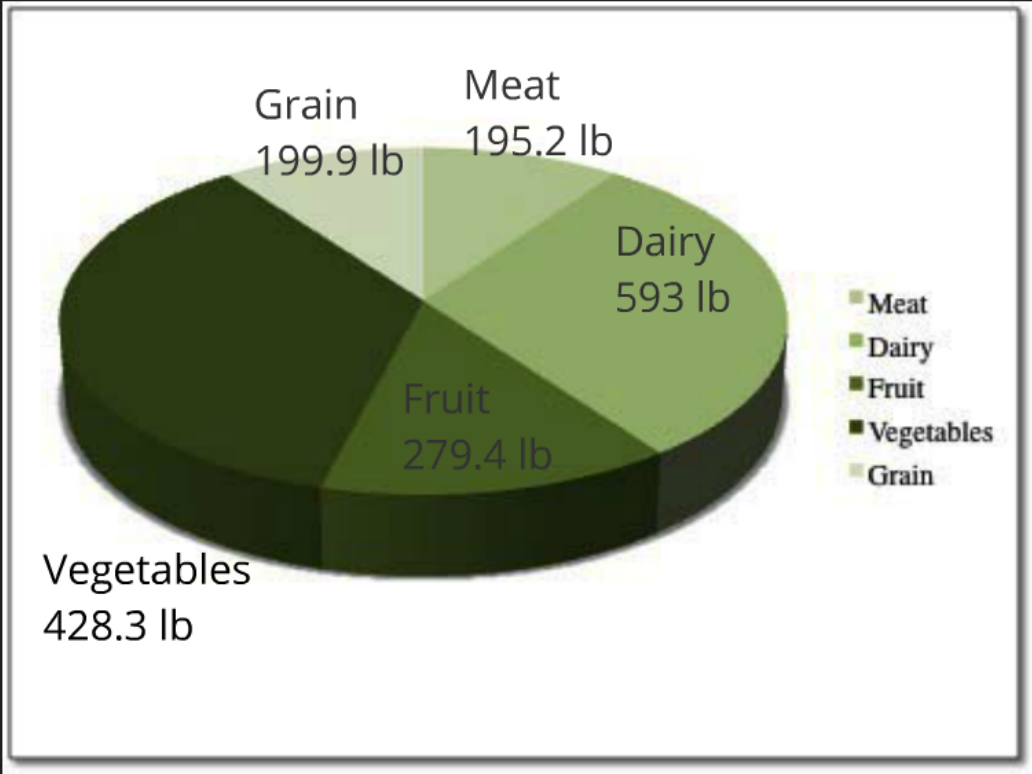


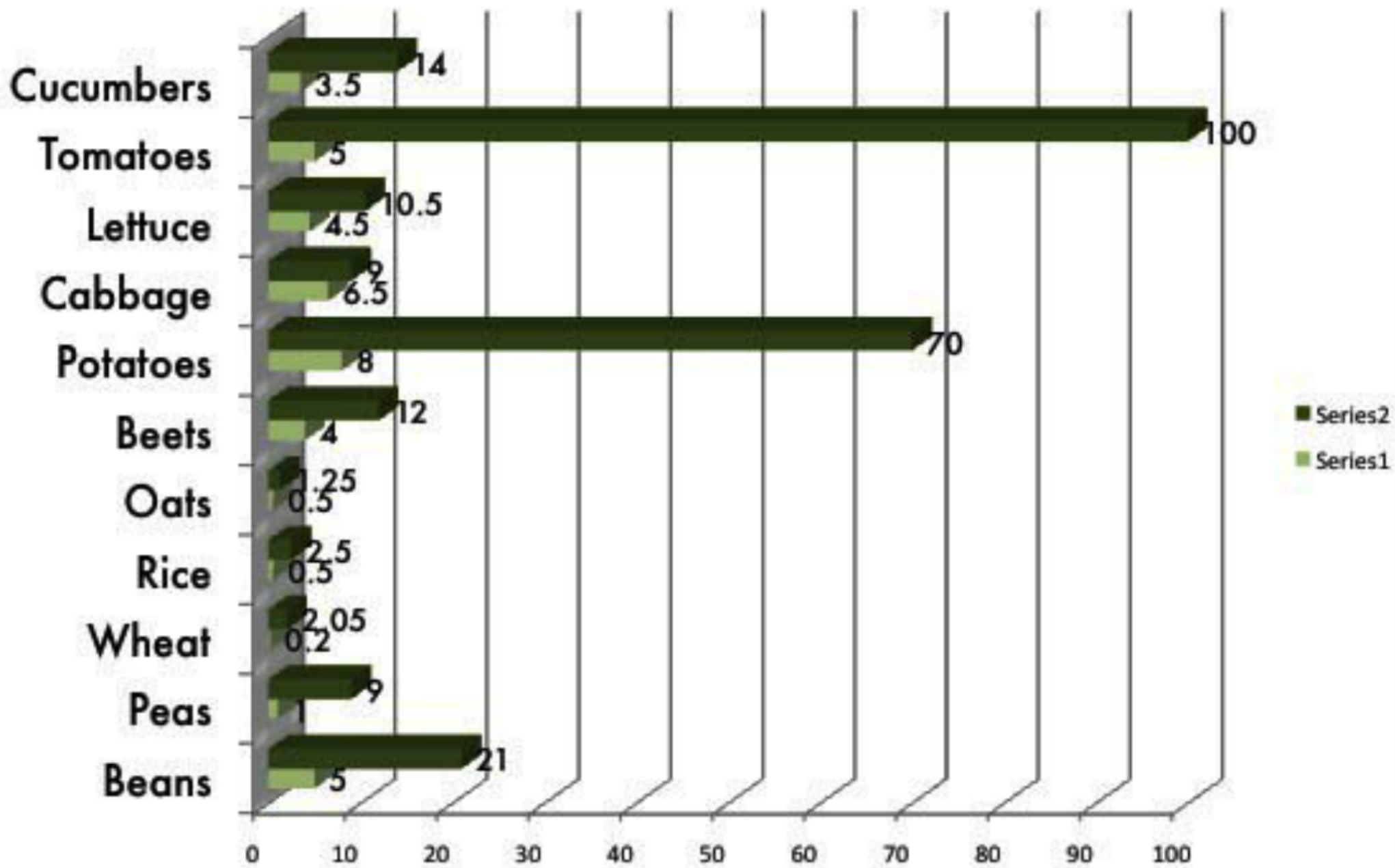
American Consumption

- USDA recommends 2000 calories a day

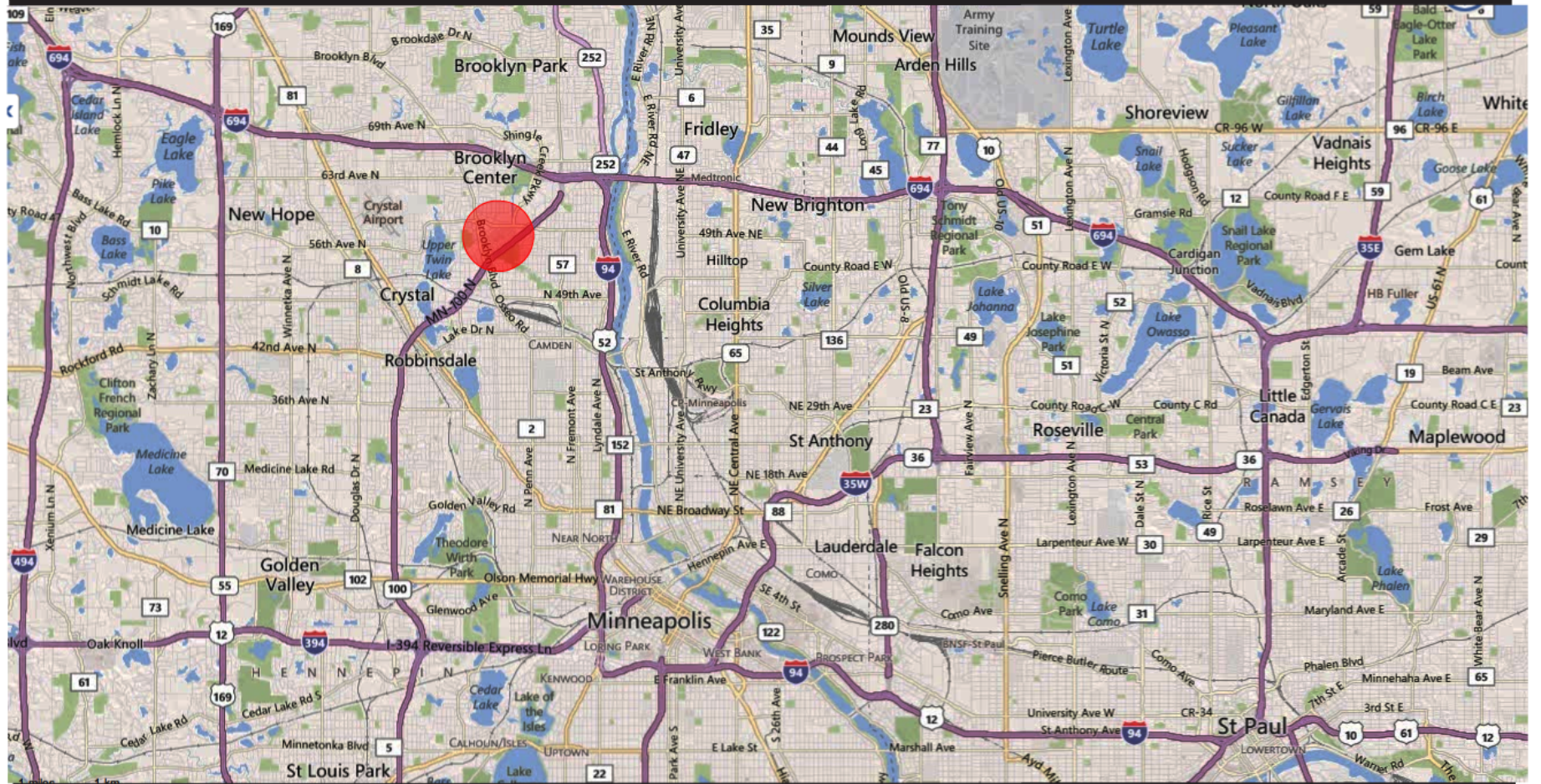
In the year 2000

- The average American eat 2,700 calories per day
- U.S. farmers produced 3,800 calories per day per person
- Of those 3,800 calories 1,100 of it was lost due to spoilage, cooking, plate waste and other losses.





Site







[Process]

Romses Architects "Harvest Green"



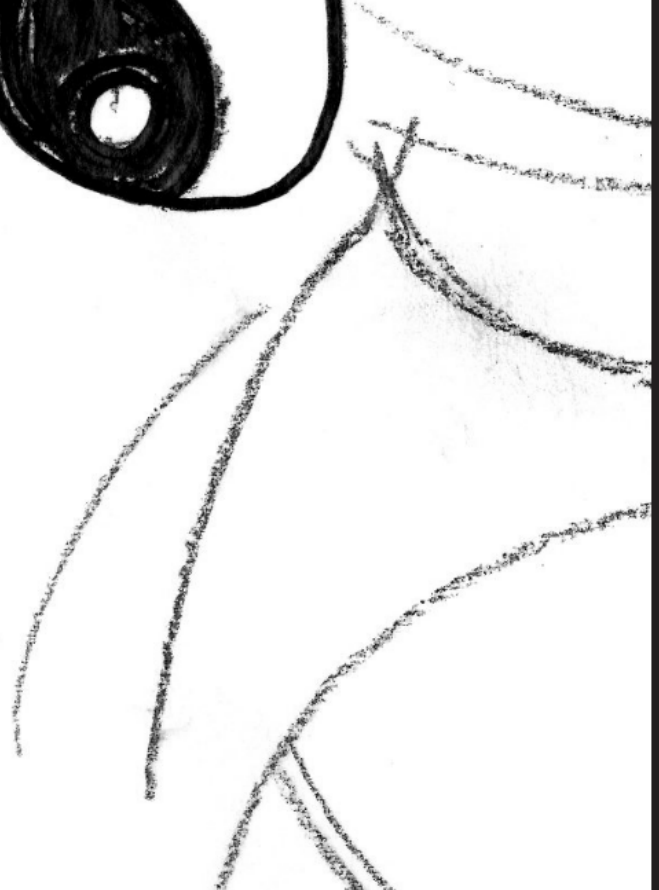
Vincent Callebaut Architectures "Dragonfly"

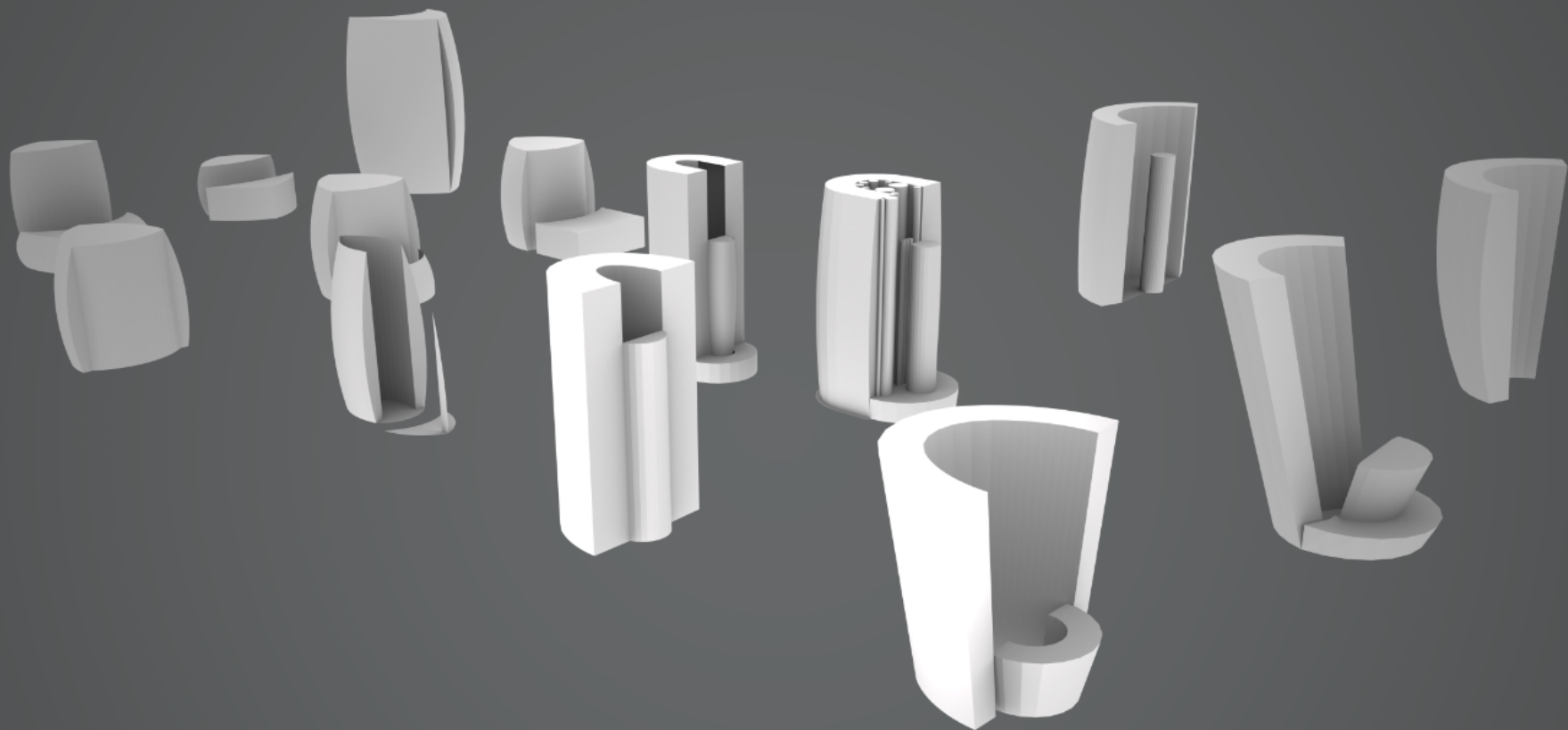


4-type
Structure
Circulation



2

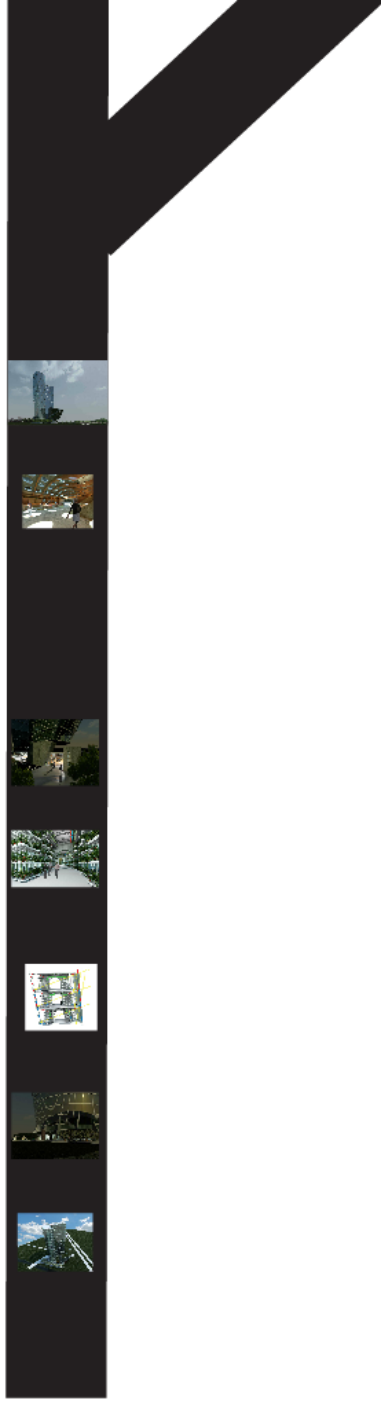




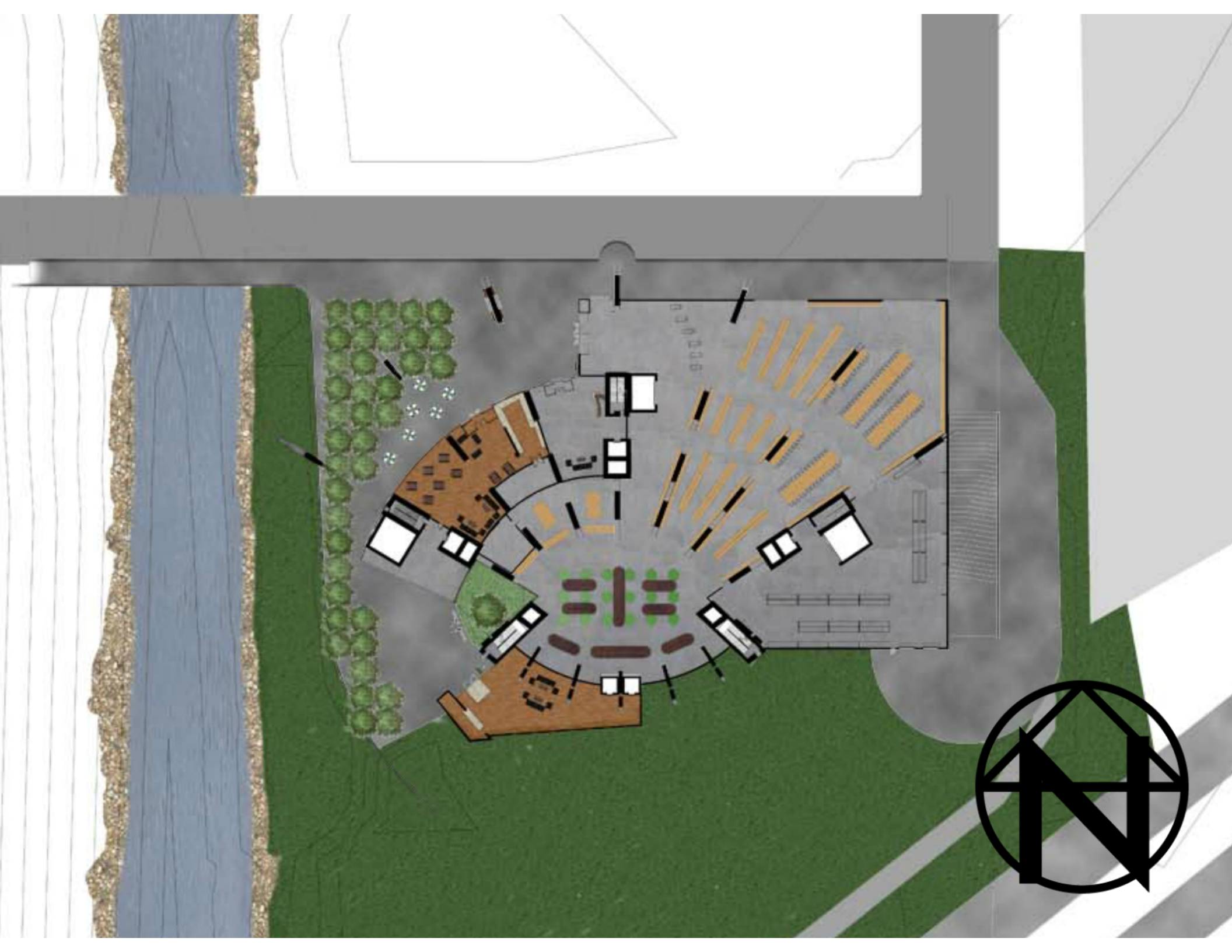


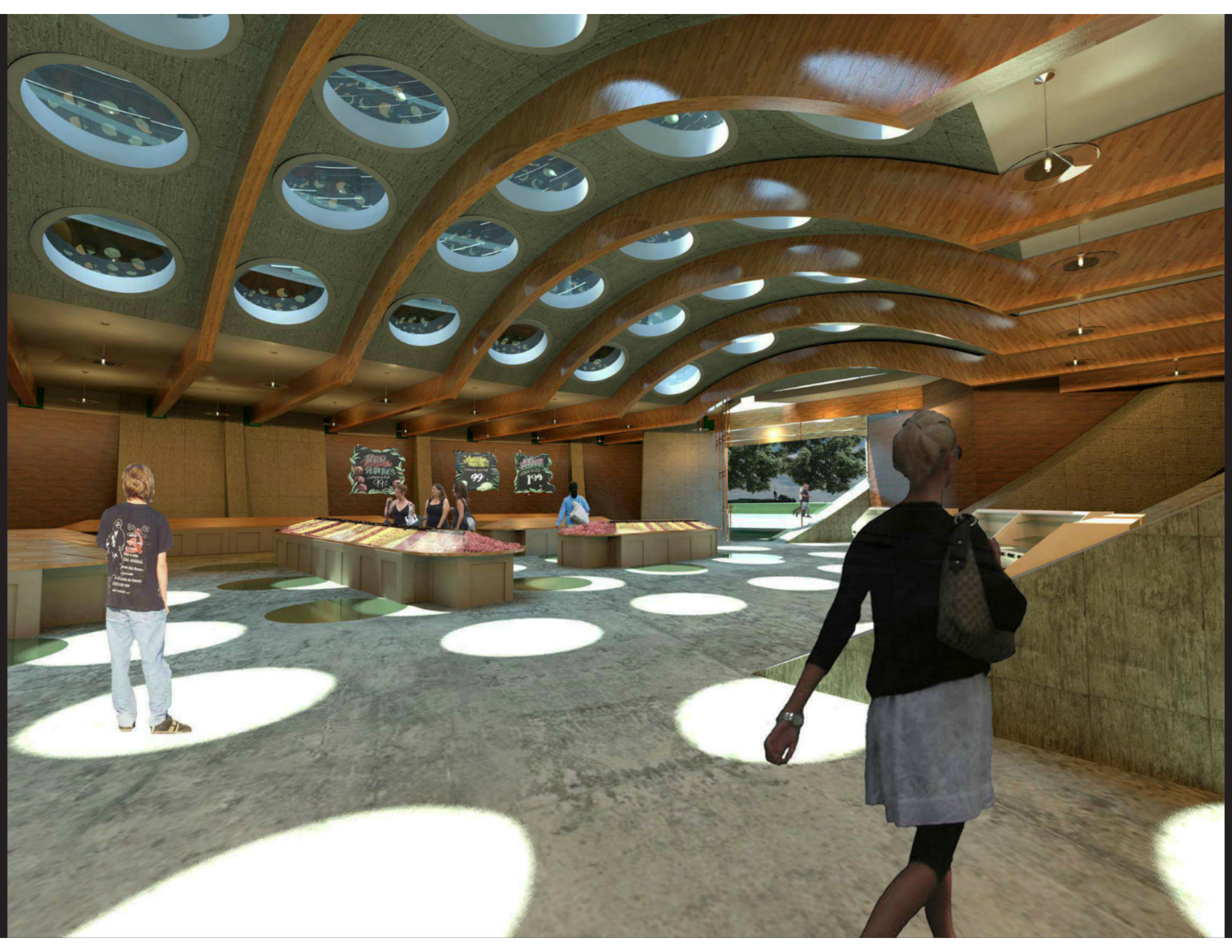
Frank Lloyd Wright "Solar Hemicycle" (Jacobs II)

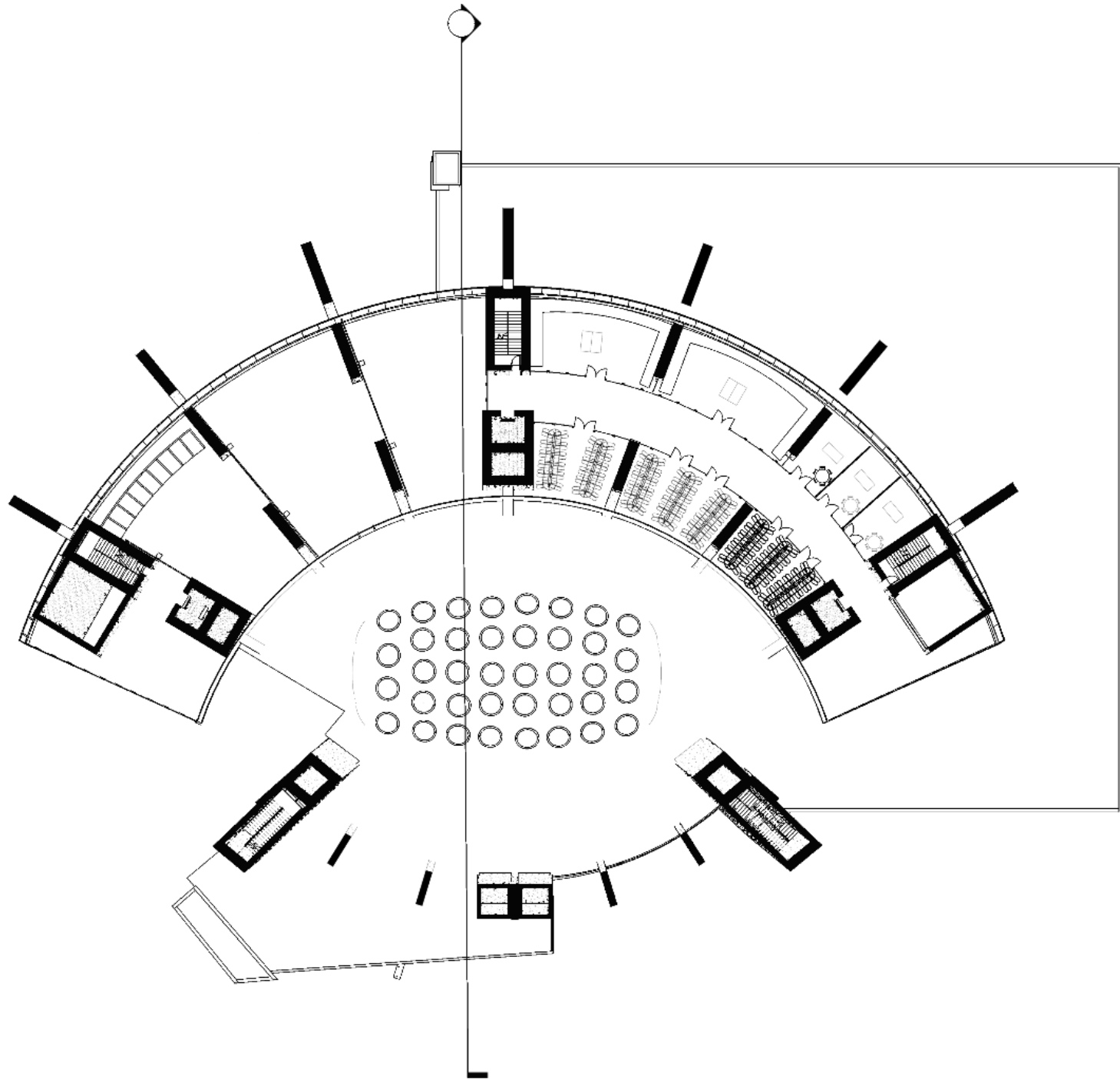
Solution

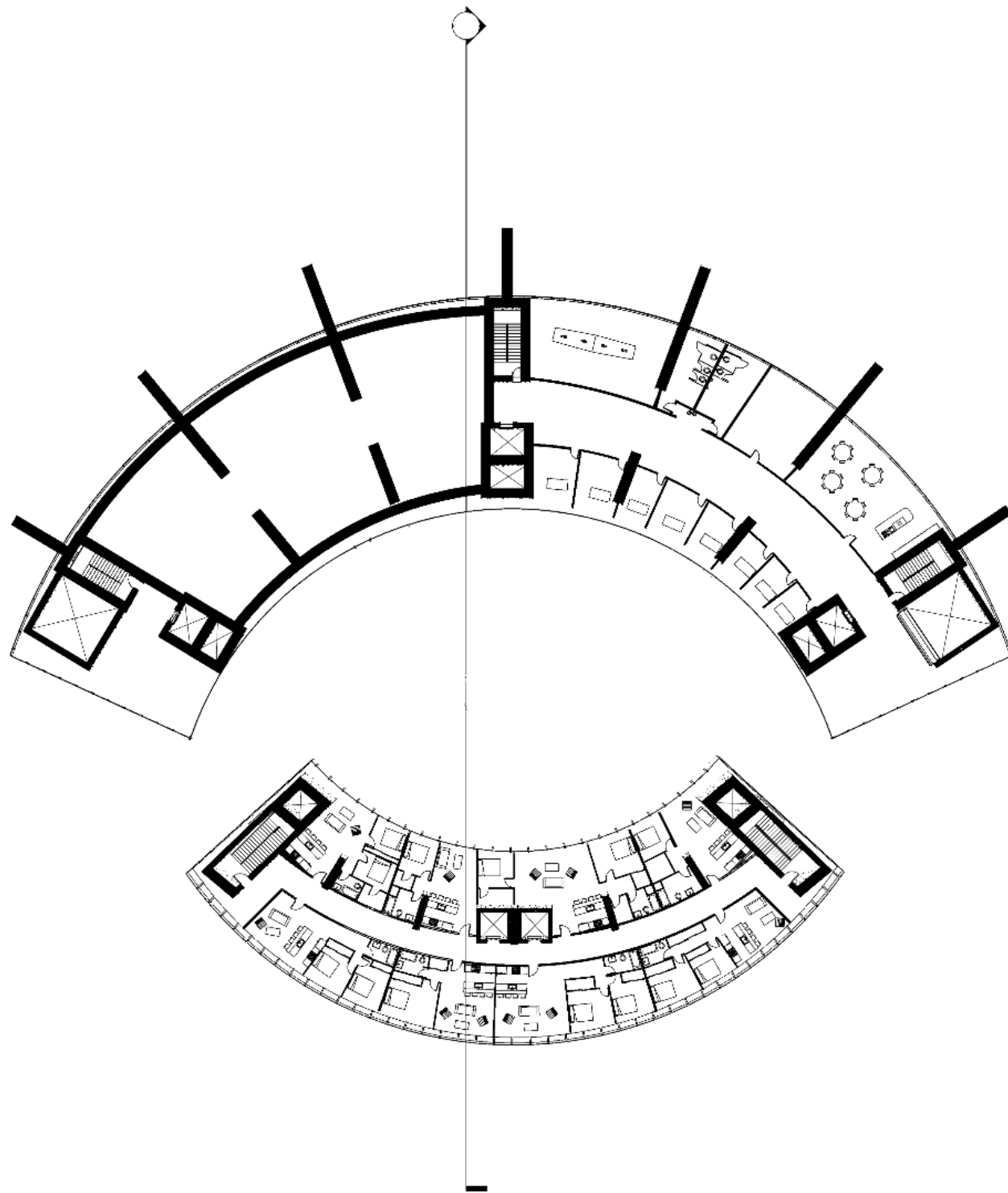


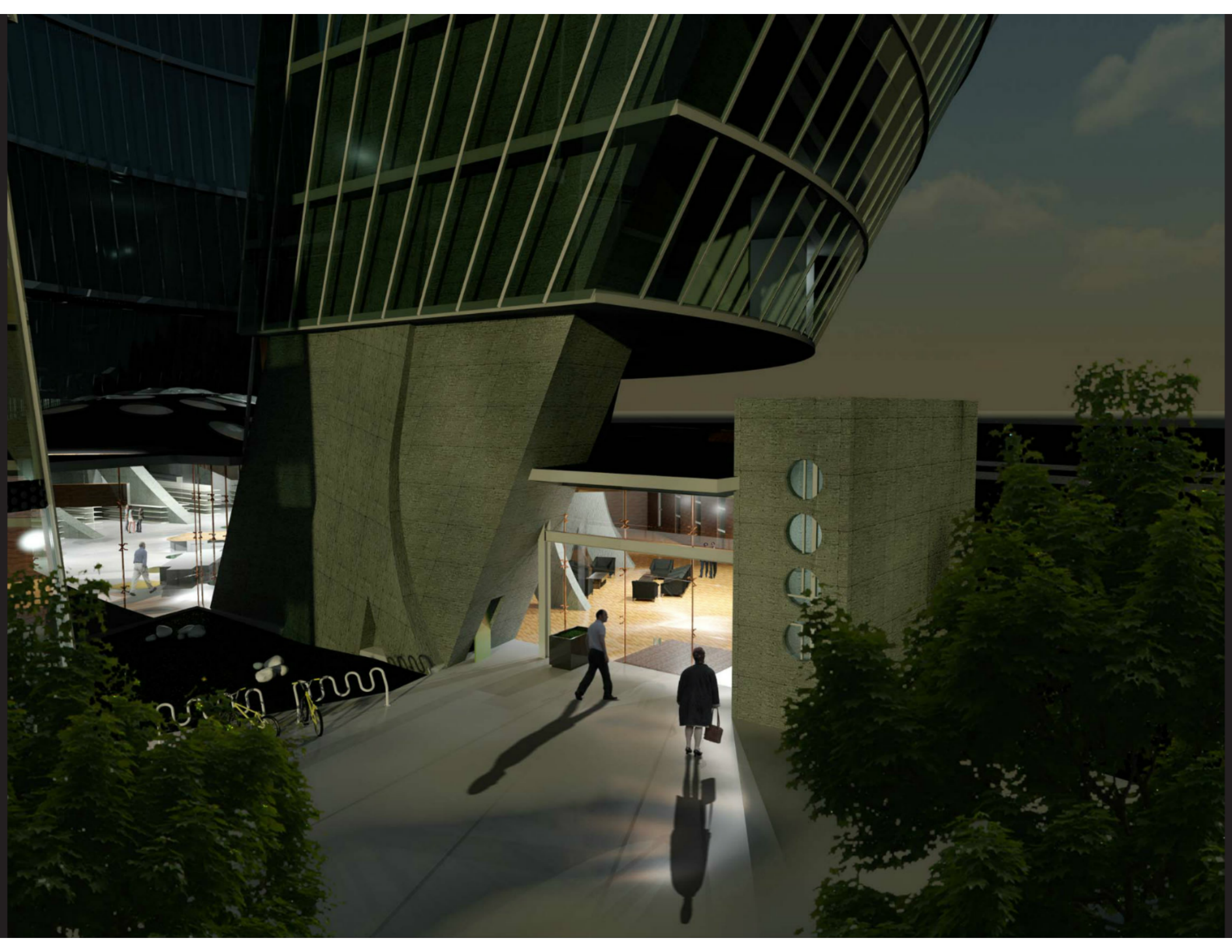


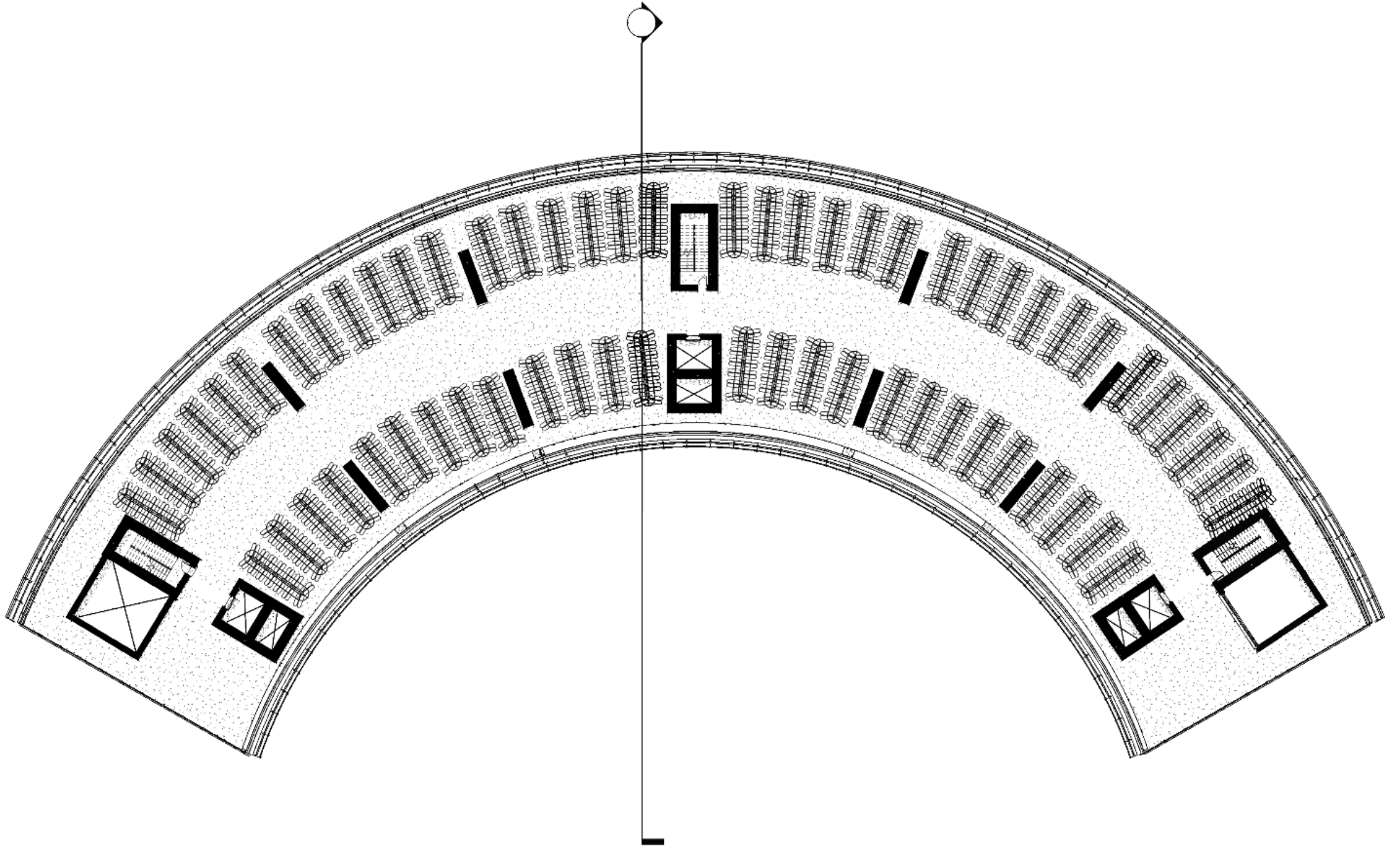






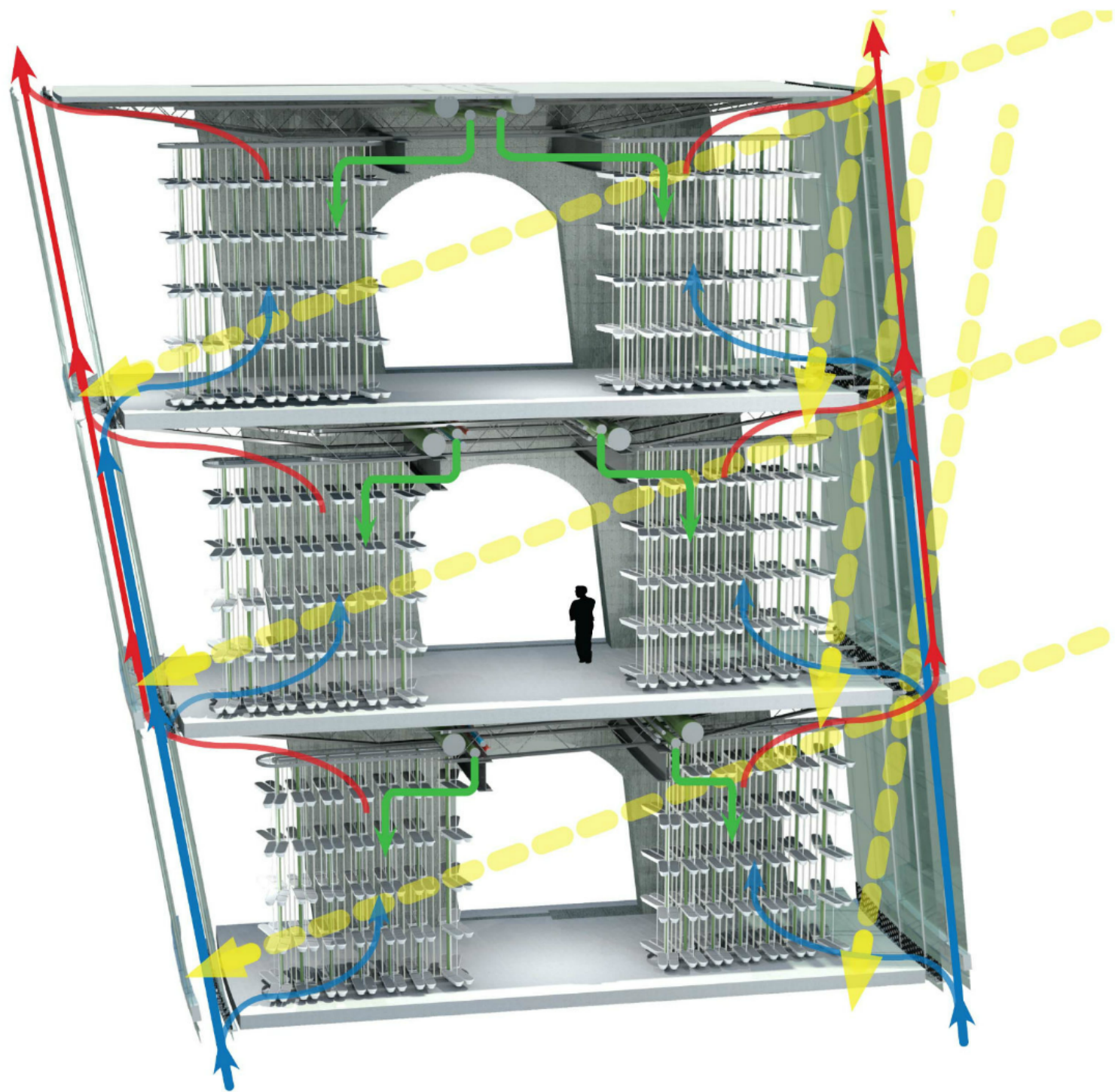


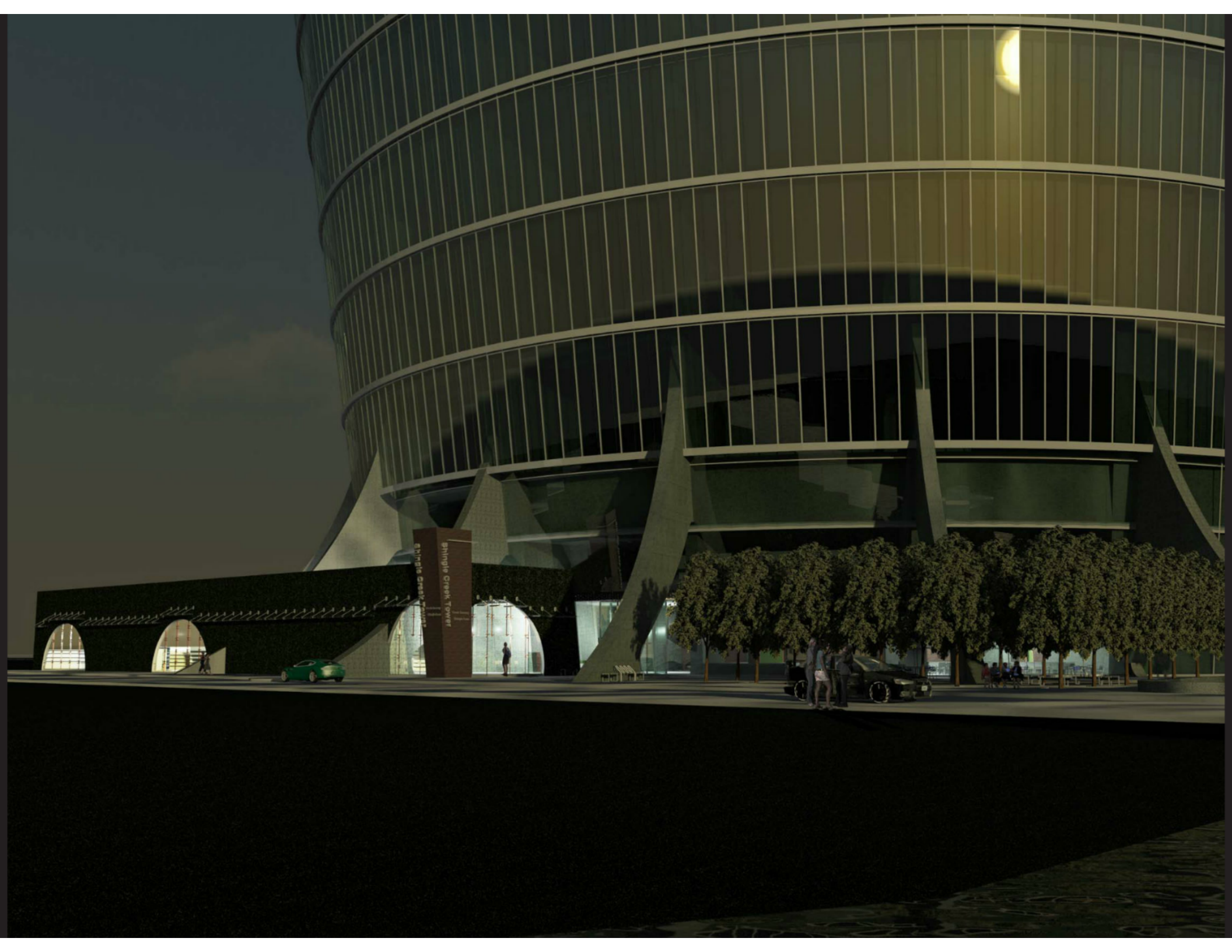












Bishinje Green Tower

