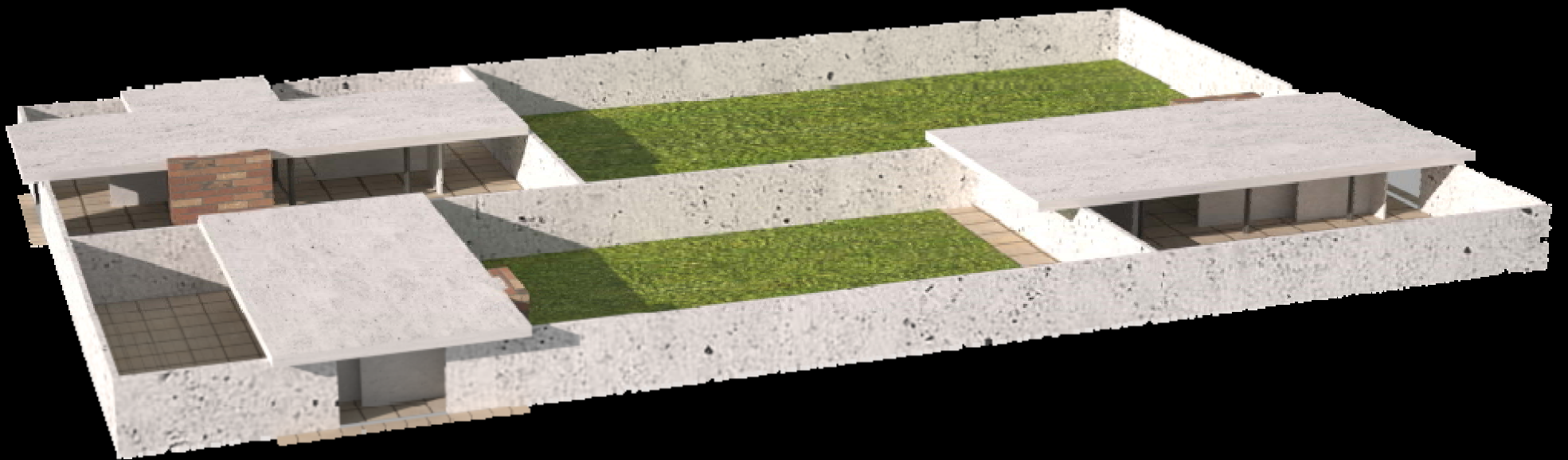


A Group of Court Houses

Mies Van Der Rohe

Reconstruction



Plan



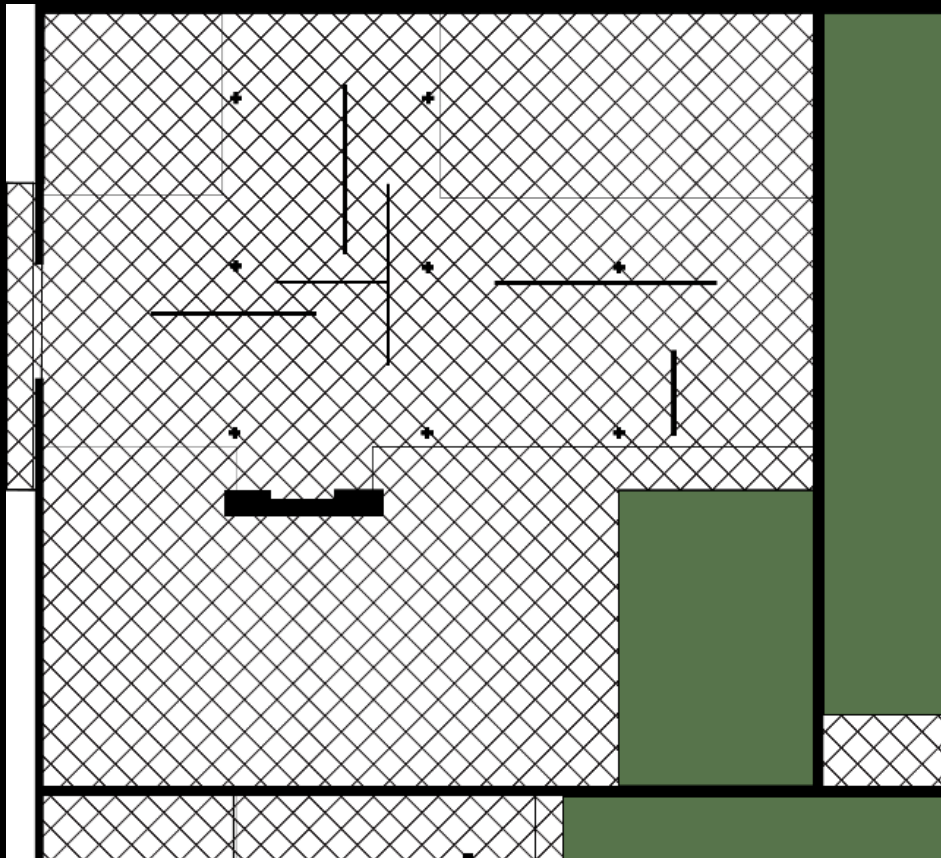
51. Group of Three Court Houses, 1938. Project. Plan.

No scale or north arrow on any existing drawings.

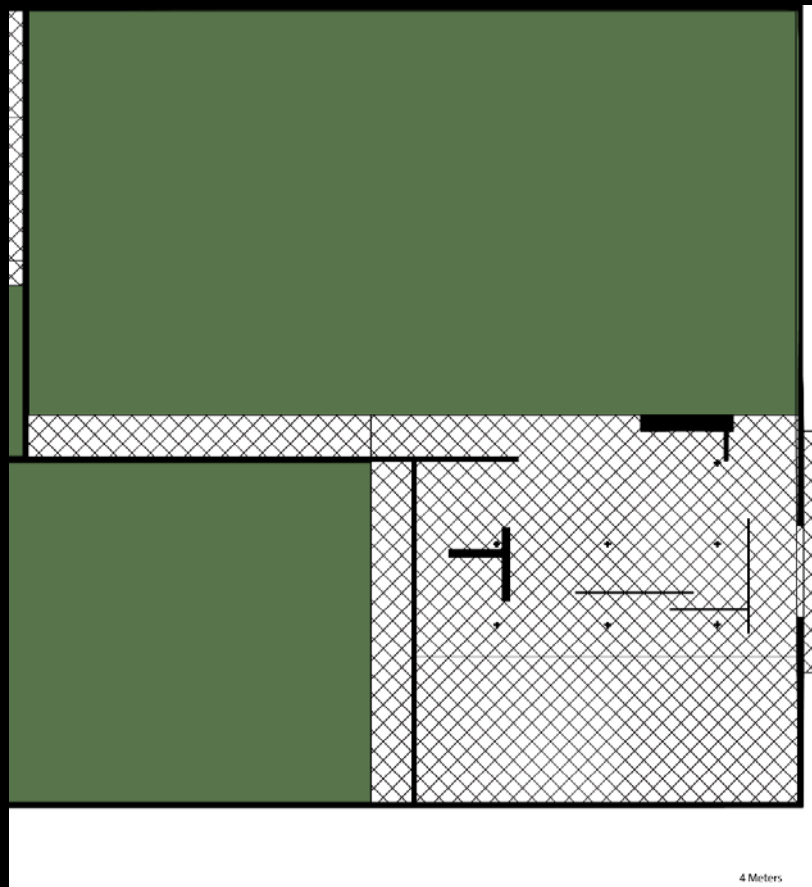
Site/Site Sections

- No site, project intended as a case study
- Possibly designed for German climates, as Van Der Rohe was in Germany at the time
- House itself designed to eliminate the idea of “site” in regard to views, only concerning itself with solar orientation

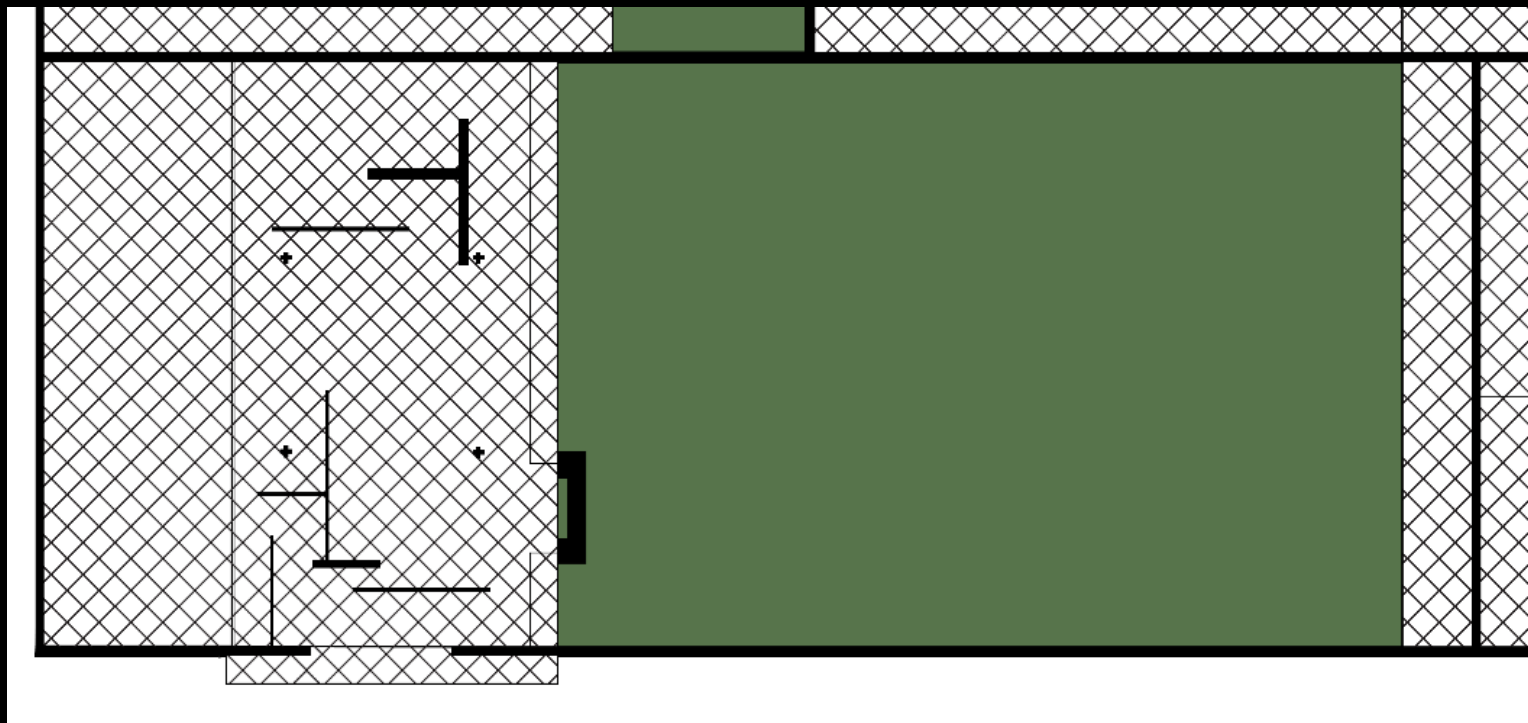
Unit Plans



Unit Plans



Unit Plans



Building Sections

A

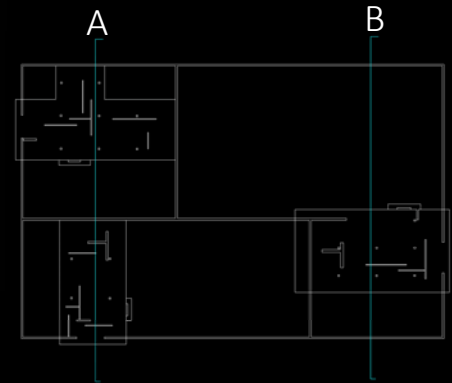


Smaller Courtyard Houses

B



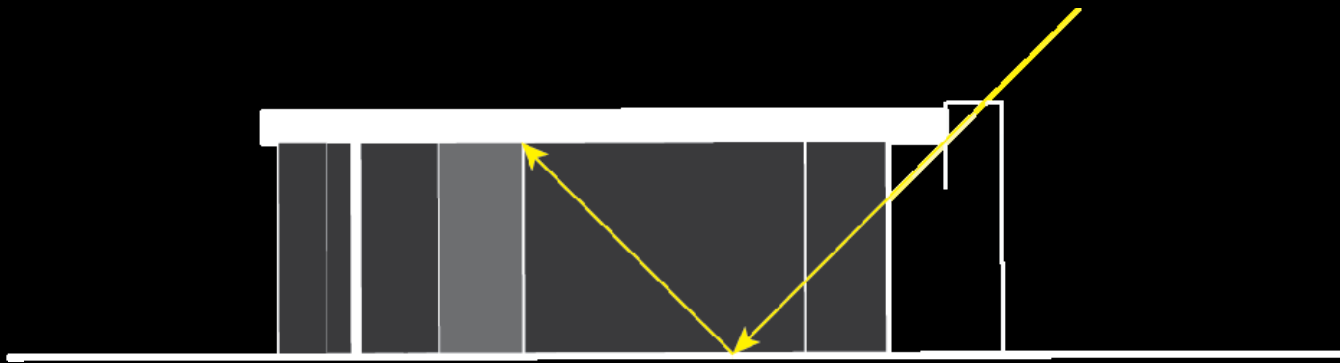
Larger Courtyard House



0m 1m 3m 6m

Case Study

Solar Access



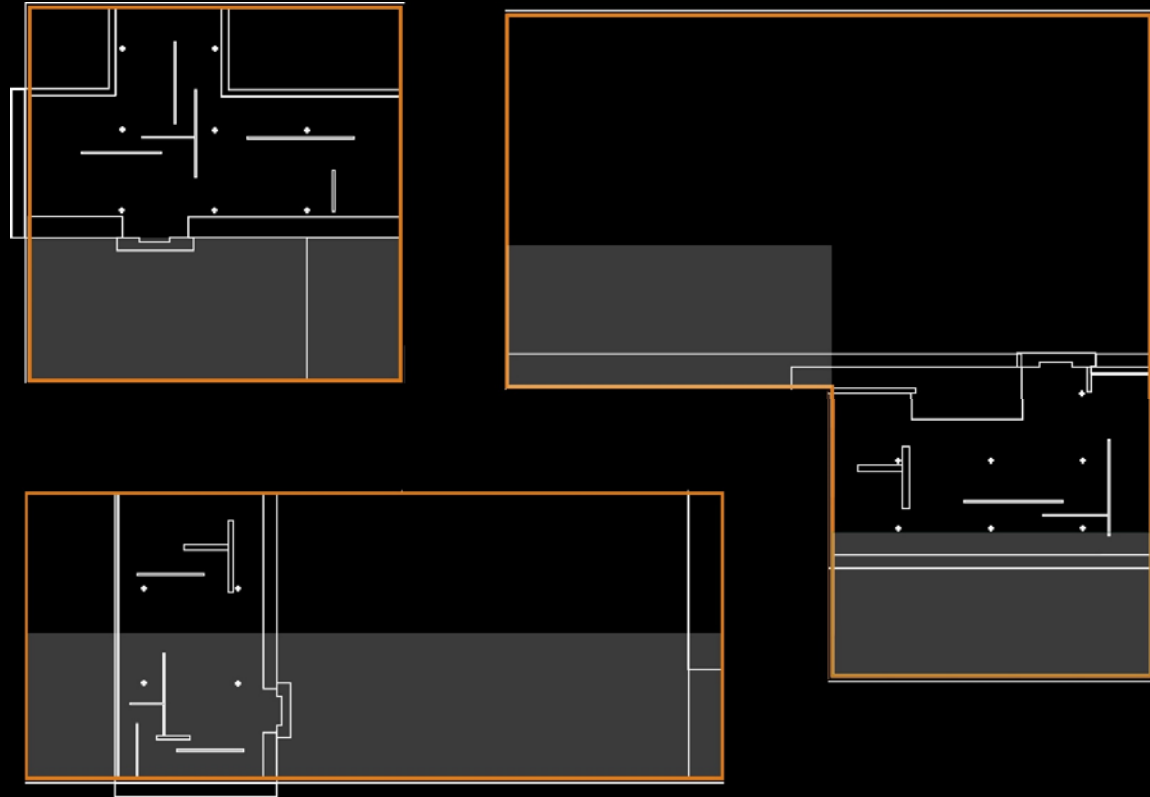
- Living spaces receive direct sunlight and indirect, diffused light
- Tiles of the house reflect sunlight
- Trees soften reflected light

Passive Heating and Daylighting

- Insulation
- Increasing the thermal mass of houses
- Fill the interior with darker colors and exterior with lighter colors

Site Relation

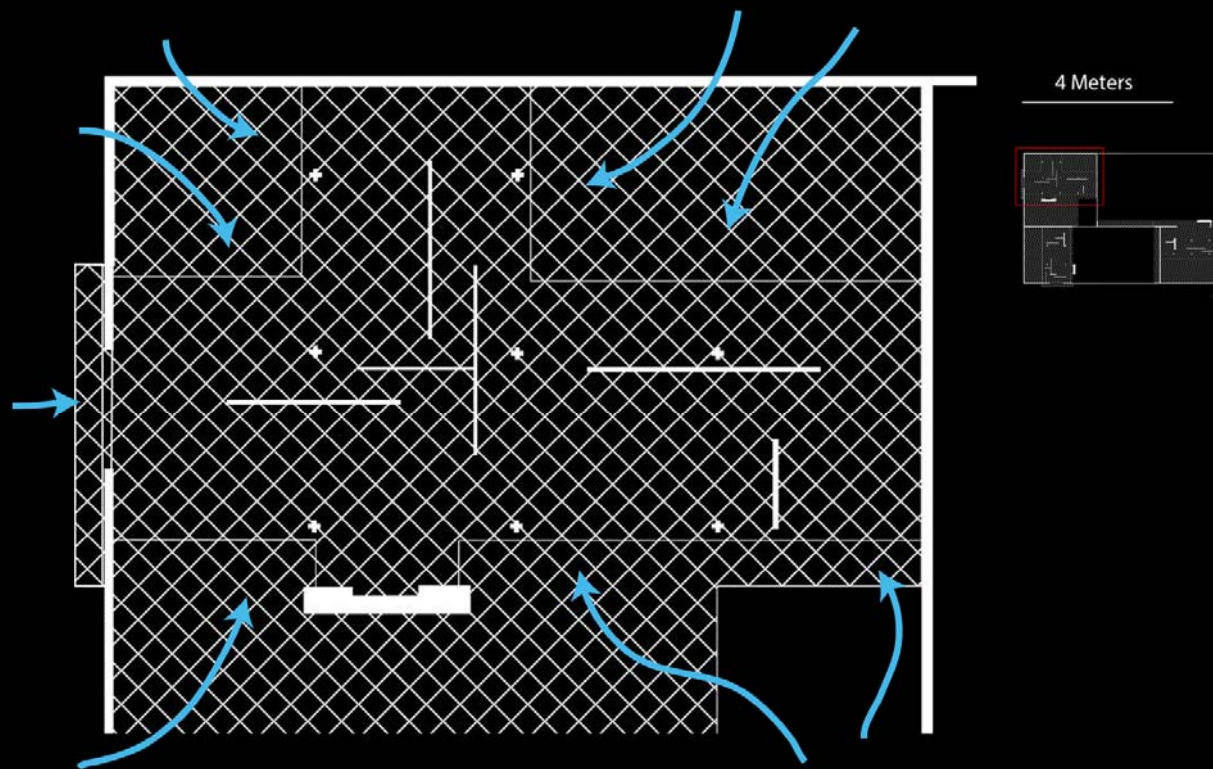
- Utopian
- The site can be the relationship between the house and the courtyard.



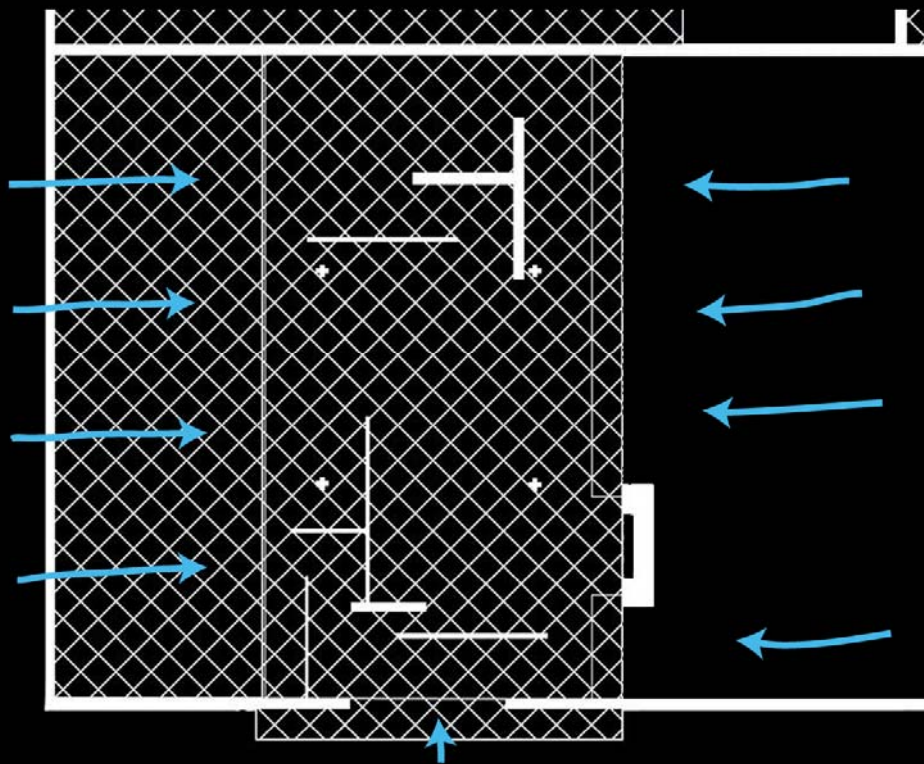
- The courtyard limits the span of the spaces and is claustrophobic.
- Exterior walls cast large shadows.
- Building is tightly sandwiched between the exterior walls.

Natural Ventilation

Wind Exposure Unit 1



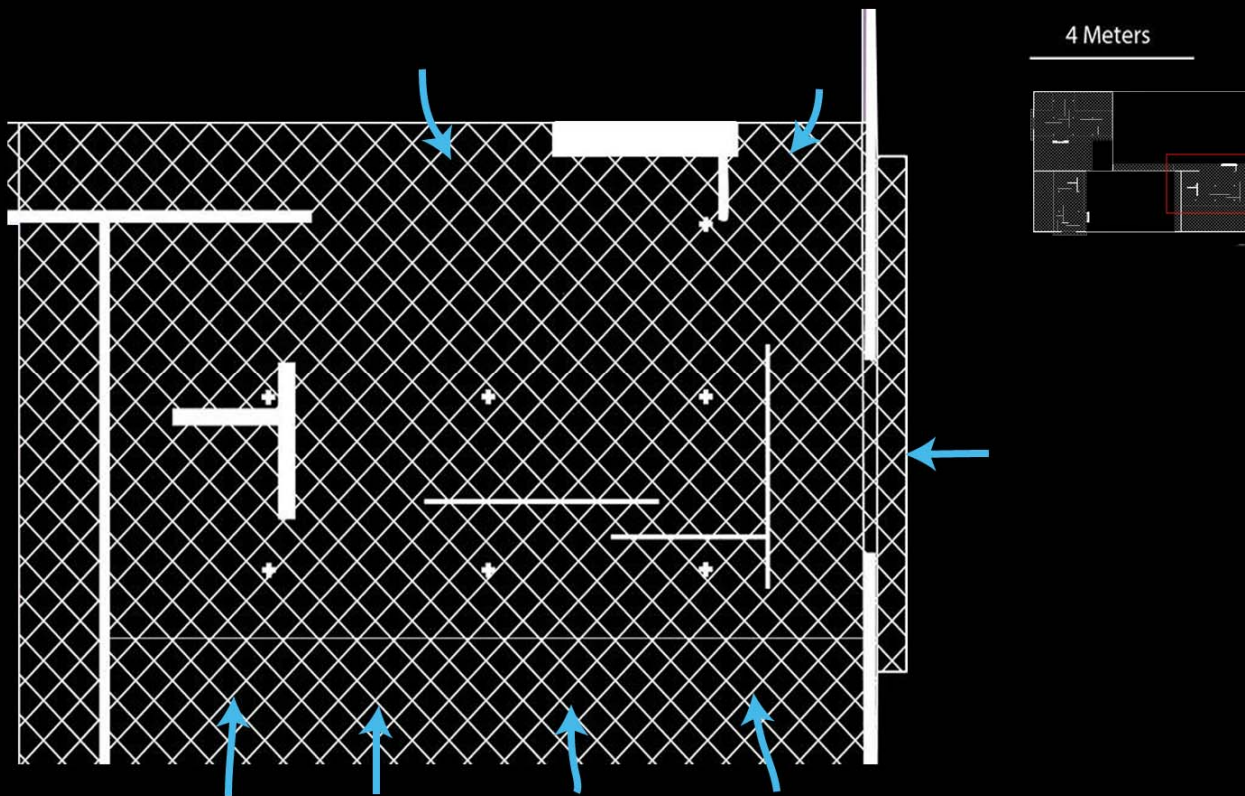
Wind Exposure Unit 2



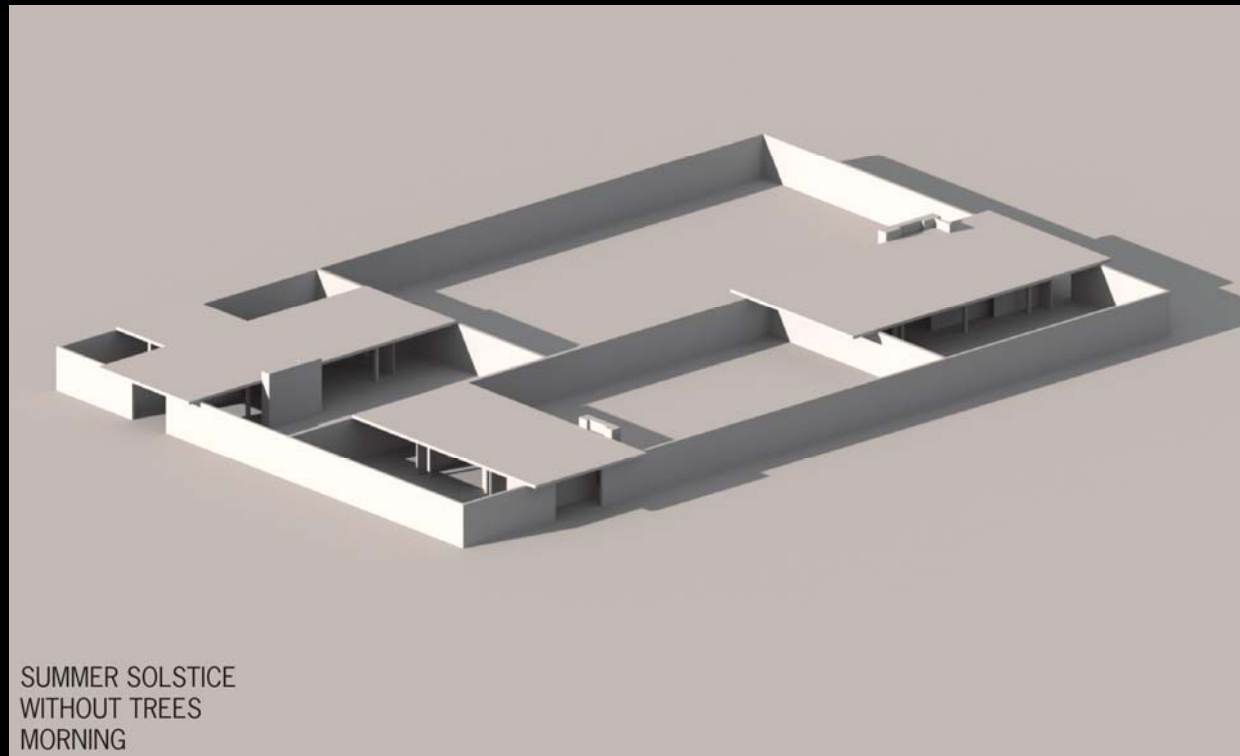
4 Meters



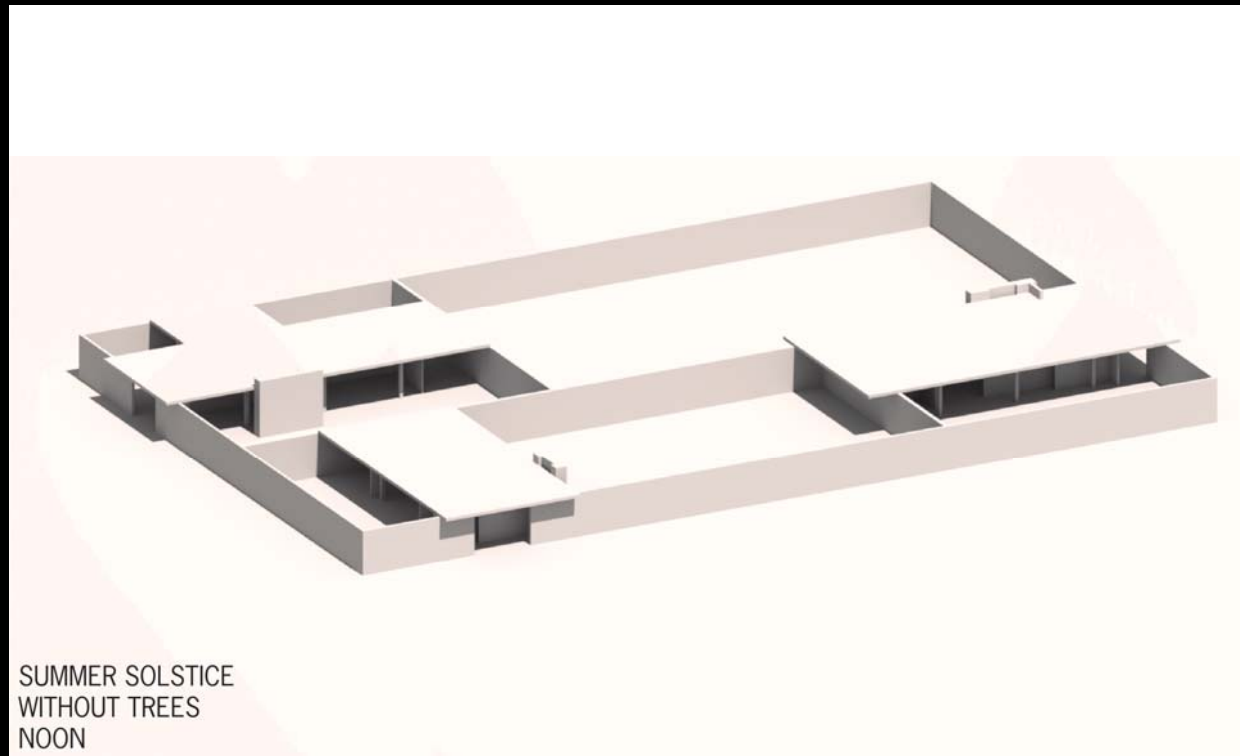
Wind Exposure Unit 3



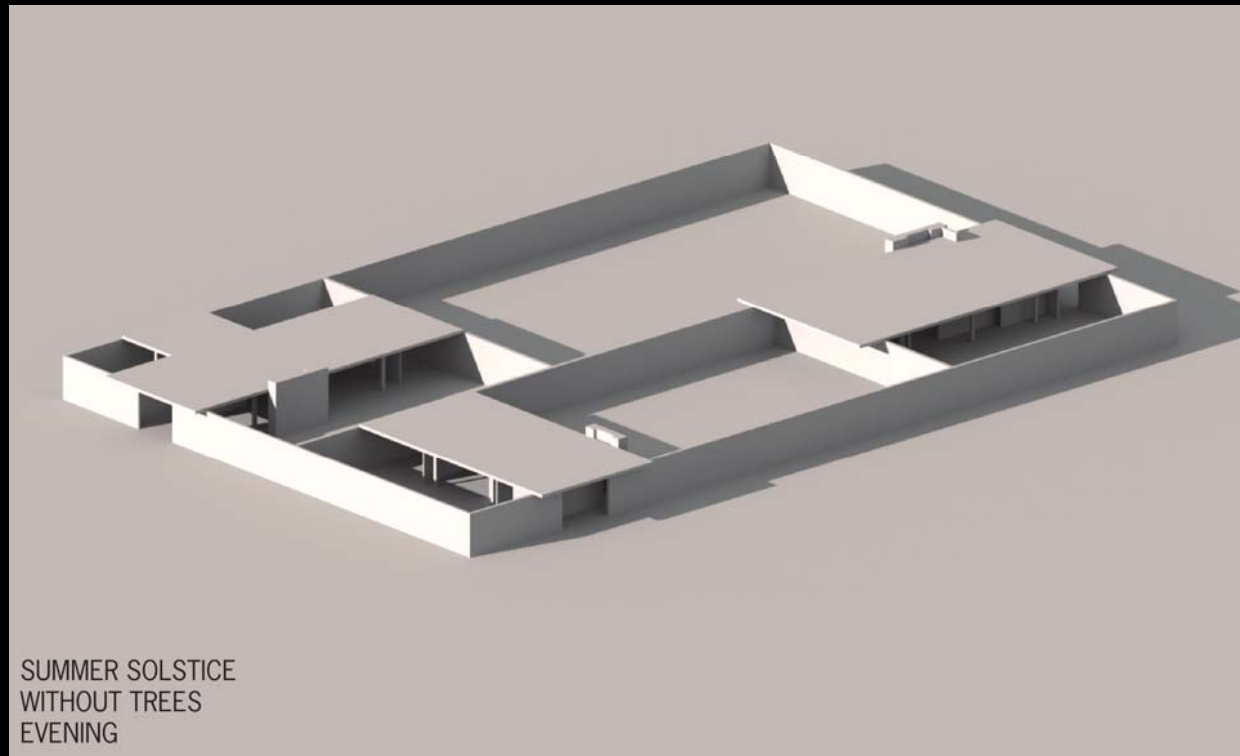
Solar Shading



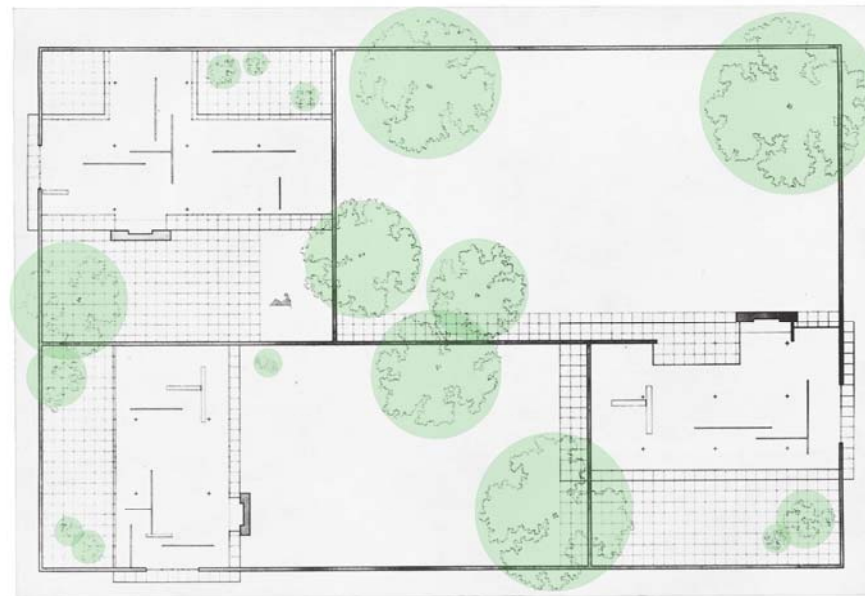
Sun Shading



Sun Shading

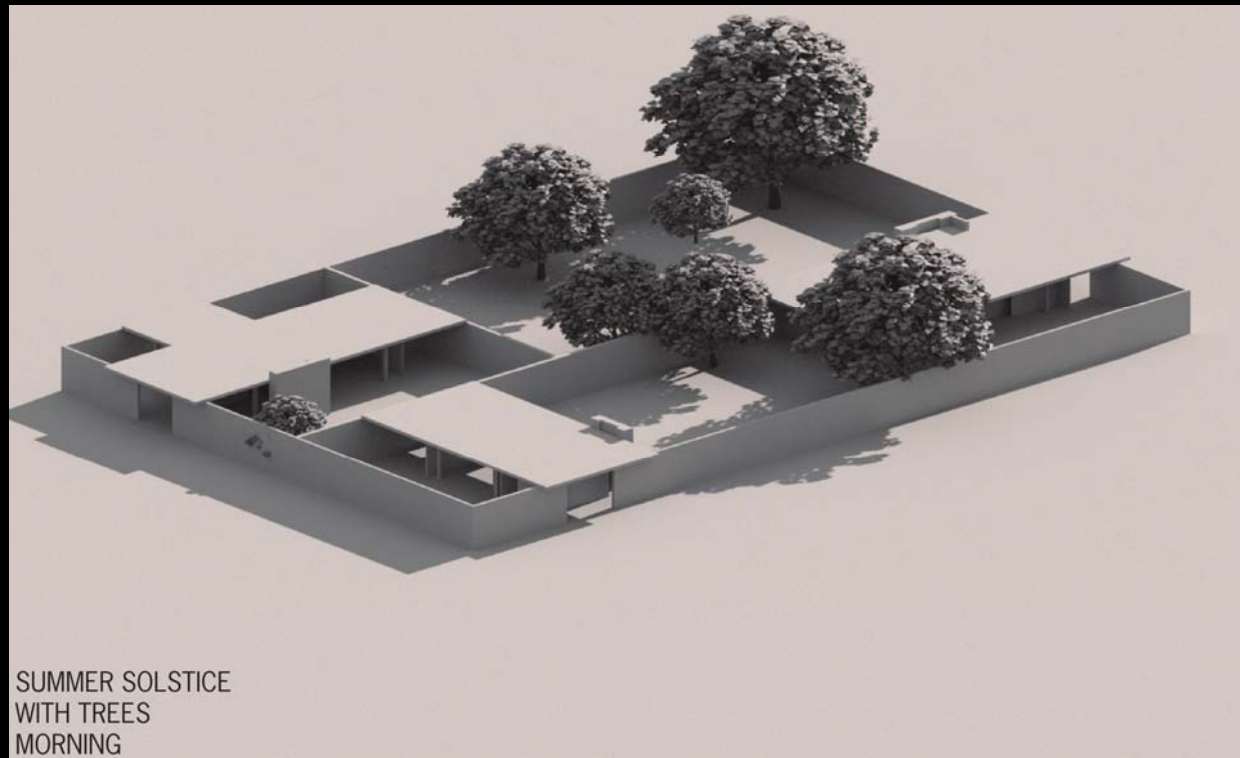


Sun Shading

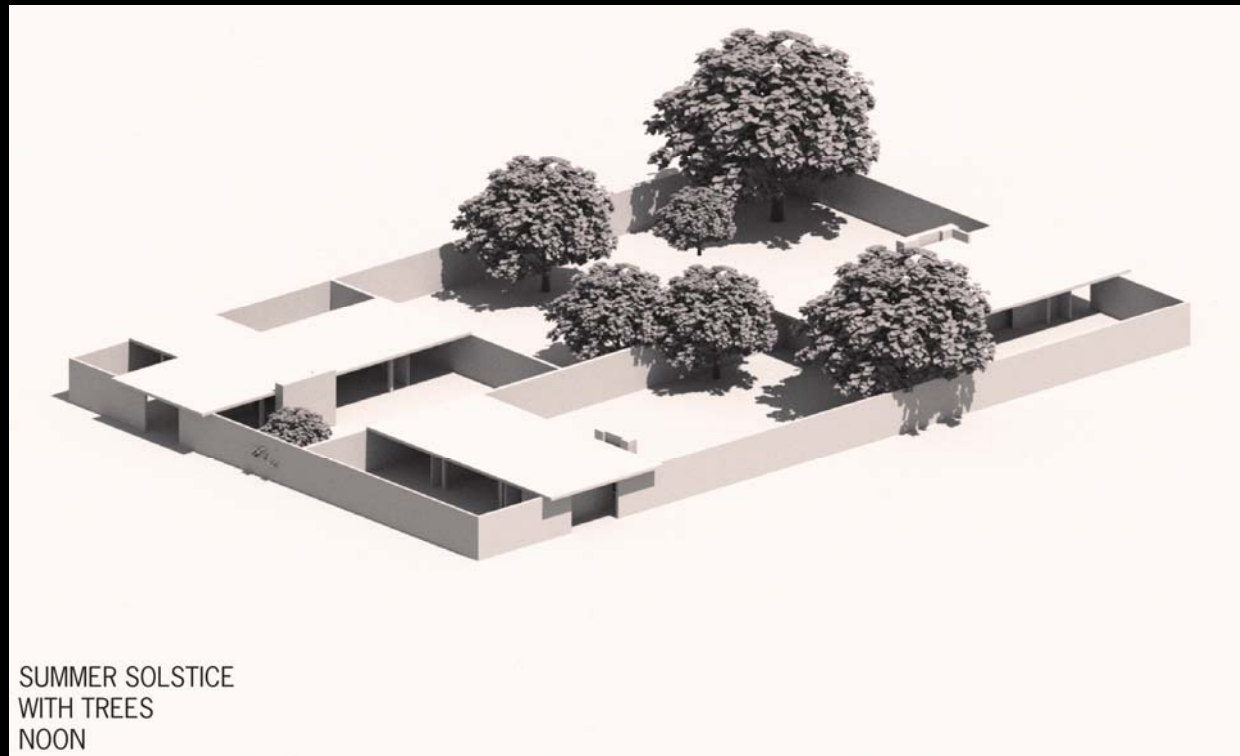


PLACEMENT OF TREES

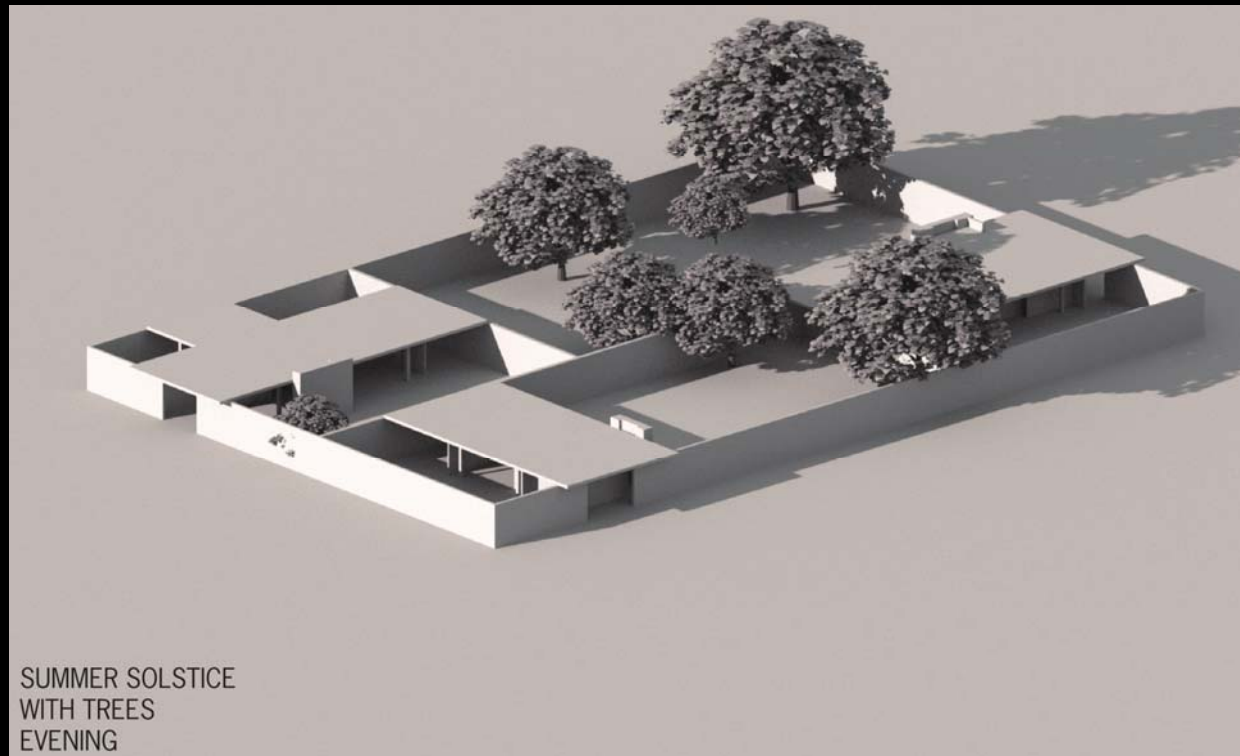
Sun Shading



Sun Shading



Sun Shading



Bibliography

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