

# ATMA House

Le Corbusier



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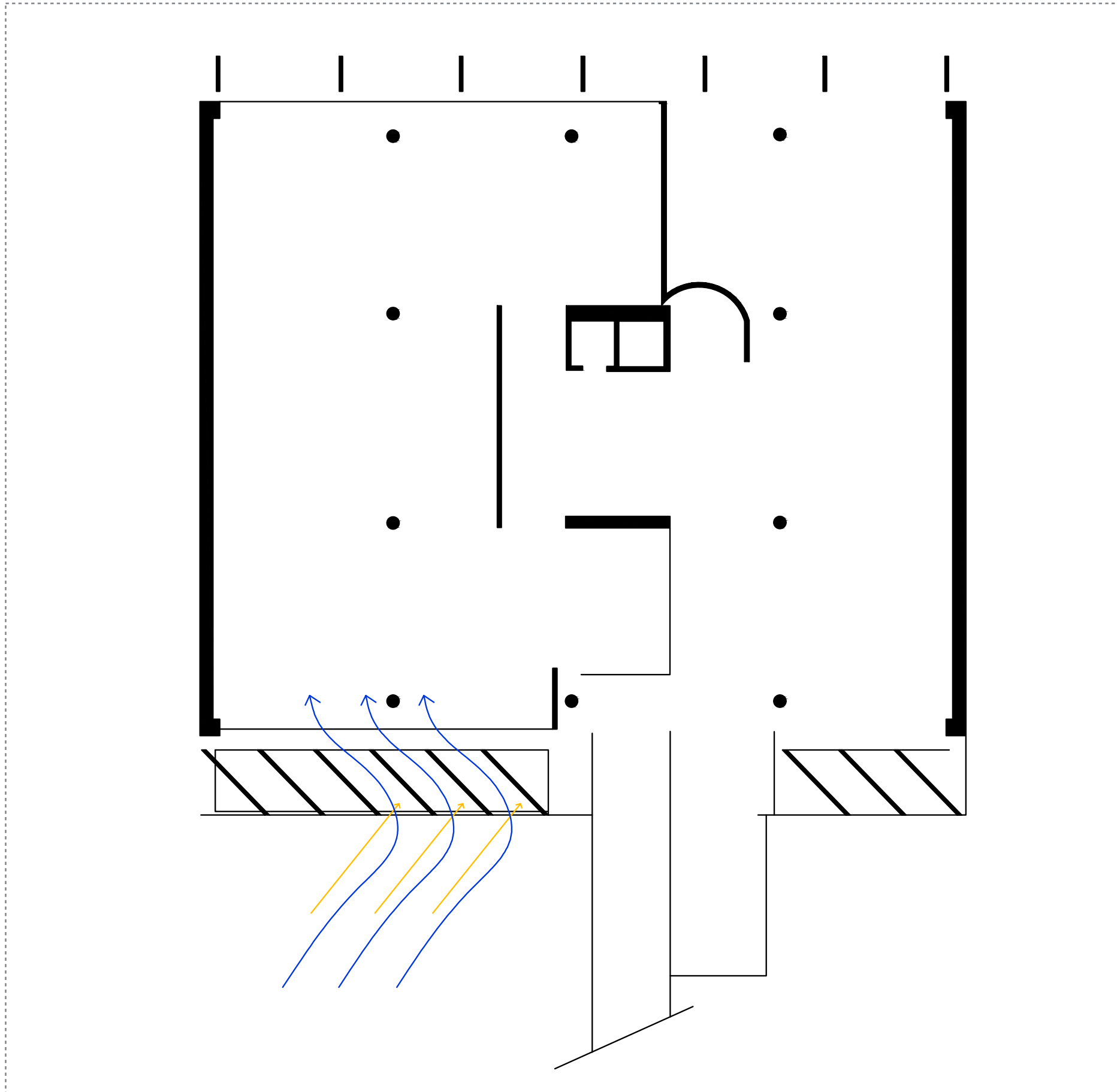




ATMA House,  
Ahmedabad

Material: Concrete  
Thickness: 15 cm  
Density: 2000 kg/m<sup>3</sup>  
Thermal Value: 1.5 W/m.k



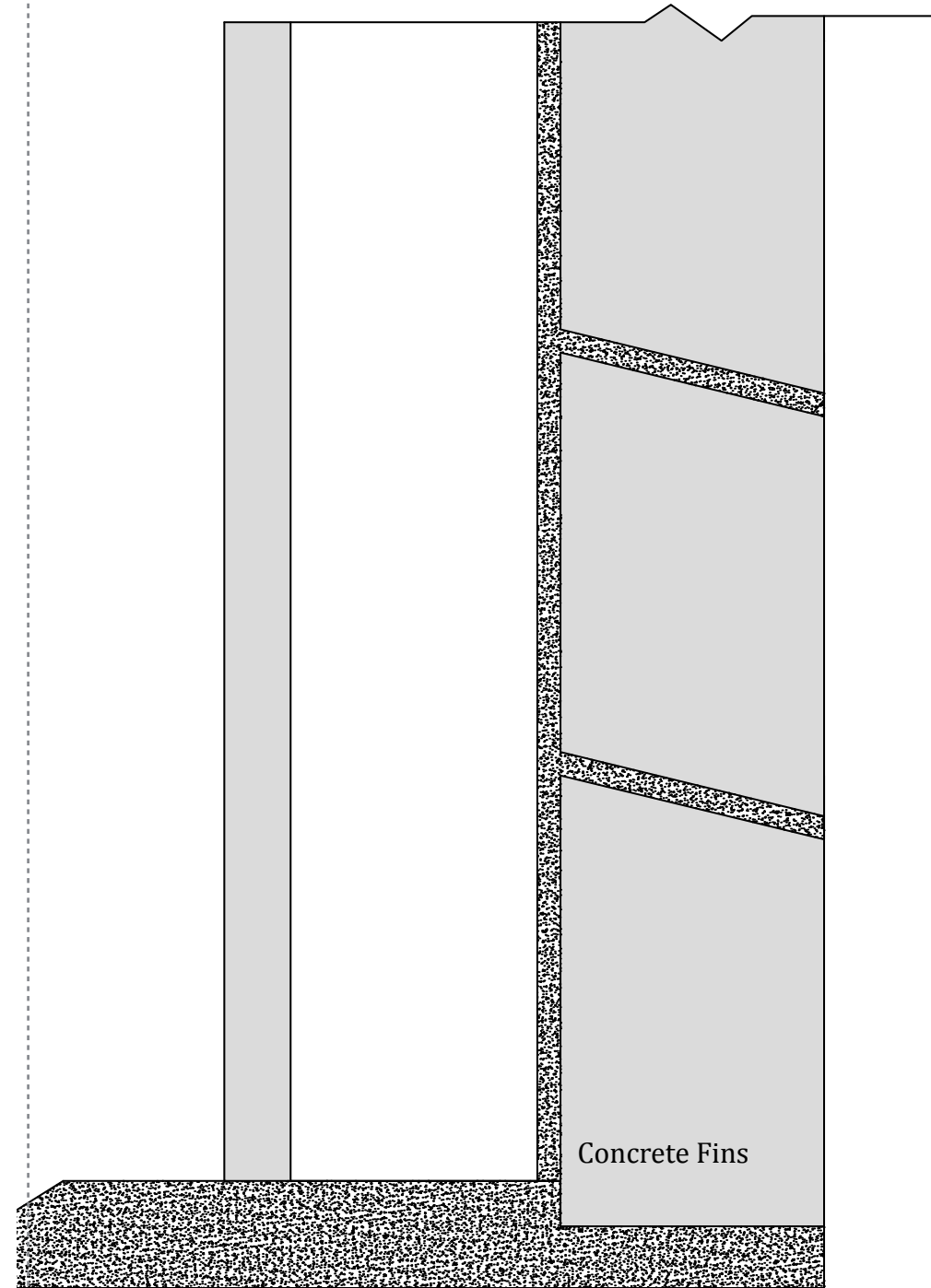


## Thermal Properties

Situated in the hard summer climate of Ahmedabad, the fins or the Brise Soleil, which block the harsh sun light, yet allowing indirect light into the building.

Simultaneously, the fins and the layer of plants allow wind circulation.

The facade in the forms of fins functions successfully in terms of the inside-outside relationship, ventilation and sun protection whilst allowing light.



## Construction

Vertical and Horizontal fins are fixed at an optimum angle to block the sun light. The openness permits the ventilation.

The fins are composed of 15cm thick cast concrete. The depth of the fin is 1.5 m hence forth minimising harsh light.

Based on the Corbusier's five principles, the facade is independent of the structural system, and the building is supported by columns, and the facade is for functional and aesthetic reasons, devoid of structural responsibility.

Concrete is the sole material, and the design solves the issue of insulation, ventilation, and privacy.