

# ECOWEEK 2010, 17-20 March

Ecology + community + Architecture

## Zero emission house in Artemida

### advisor:

Couvelas-Kouvelas Architects Mechanical Engineers

### participant team:

Vallina Ioanna

Ioakeimidou Polina

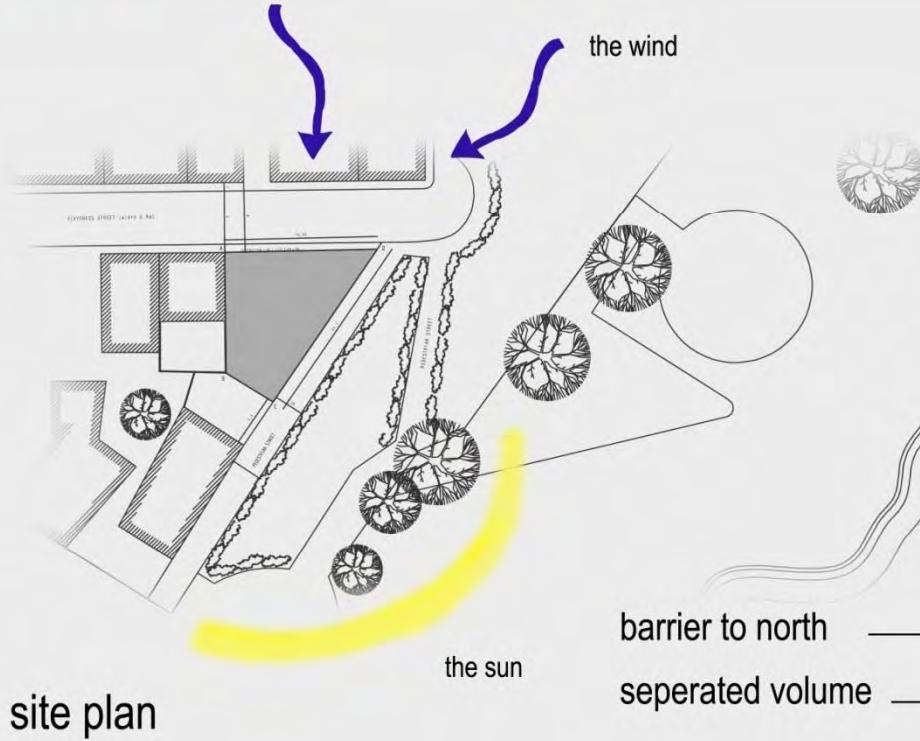
Marini Marina

Rousounelou Aikaterini

Spyropoulou Christina

Chatzichristos Stergios

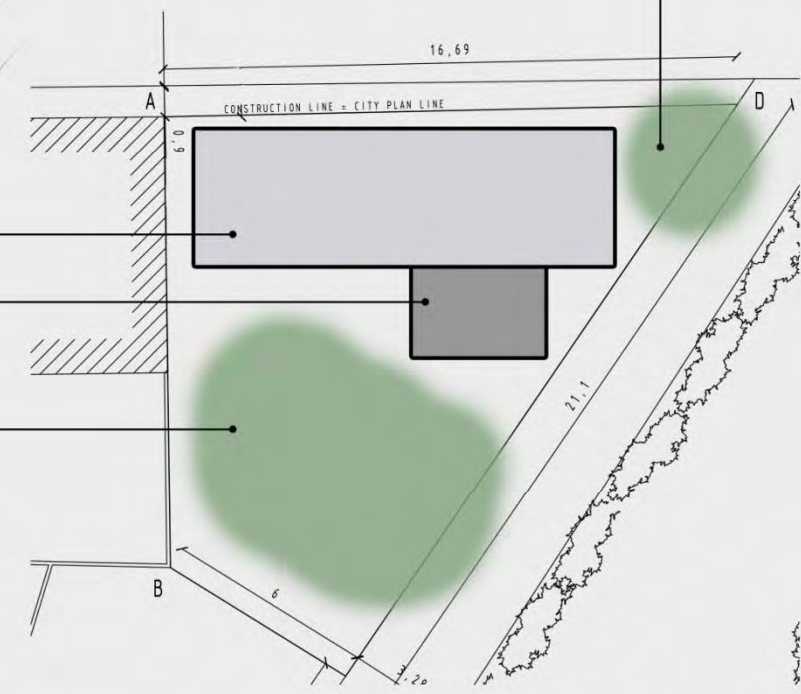




## building program

- main residence
- 2 stores
- house for a couple
- atelier
- guest room

“public” space

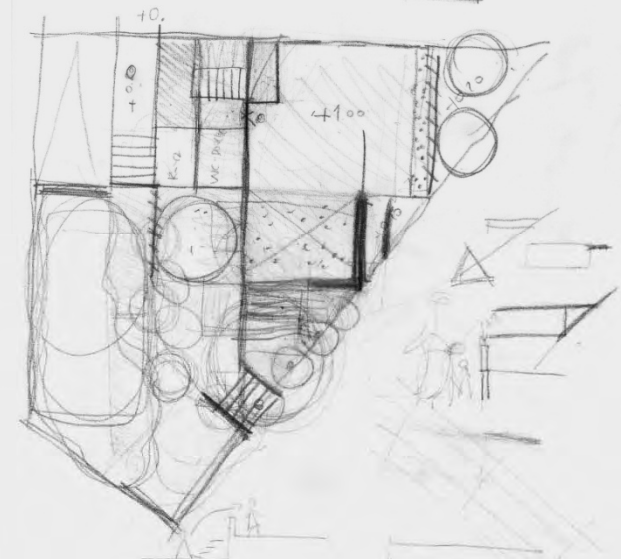
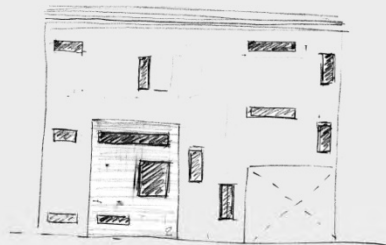
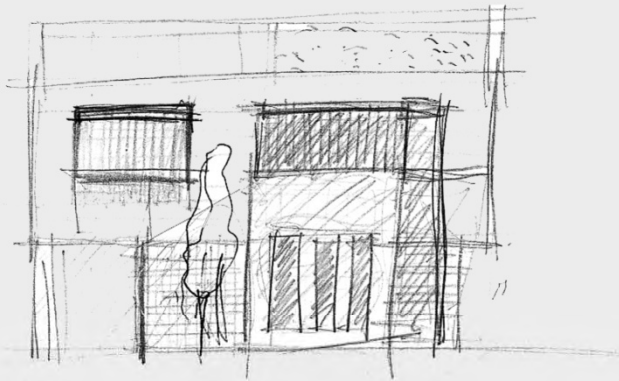
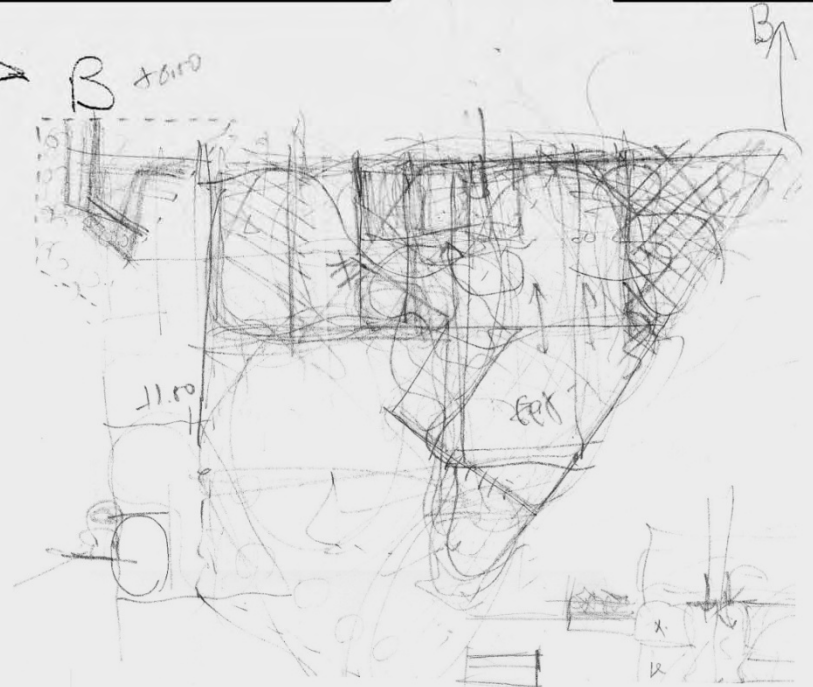
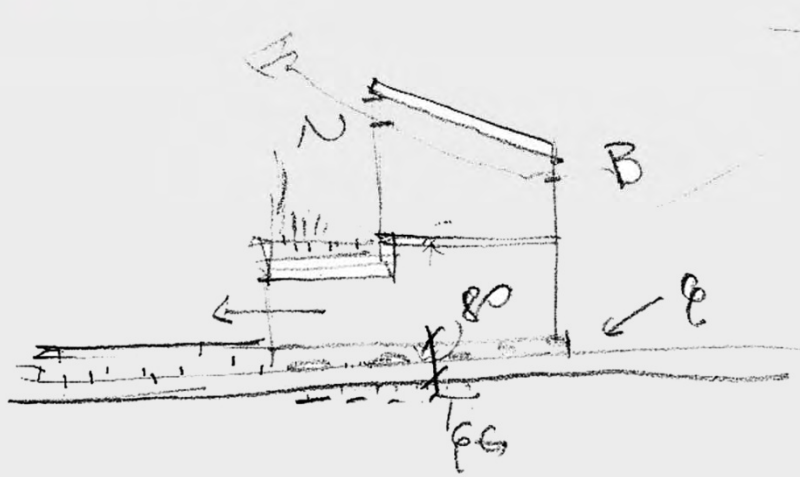


the view



## conceptual decisions

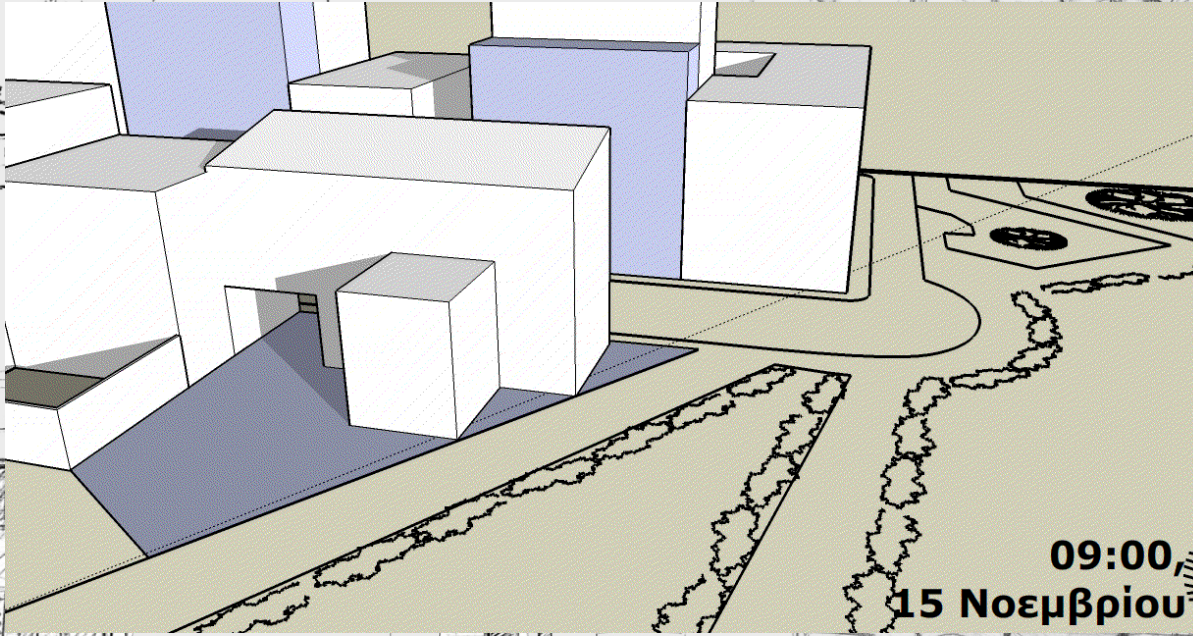
Thu 18.03



first attempts

zero emissions house@site in Artemida\_office Couvela.com

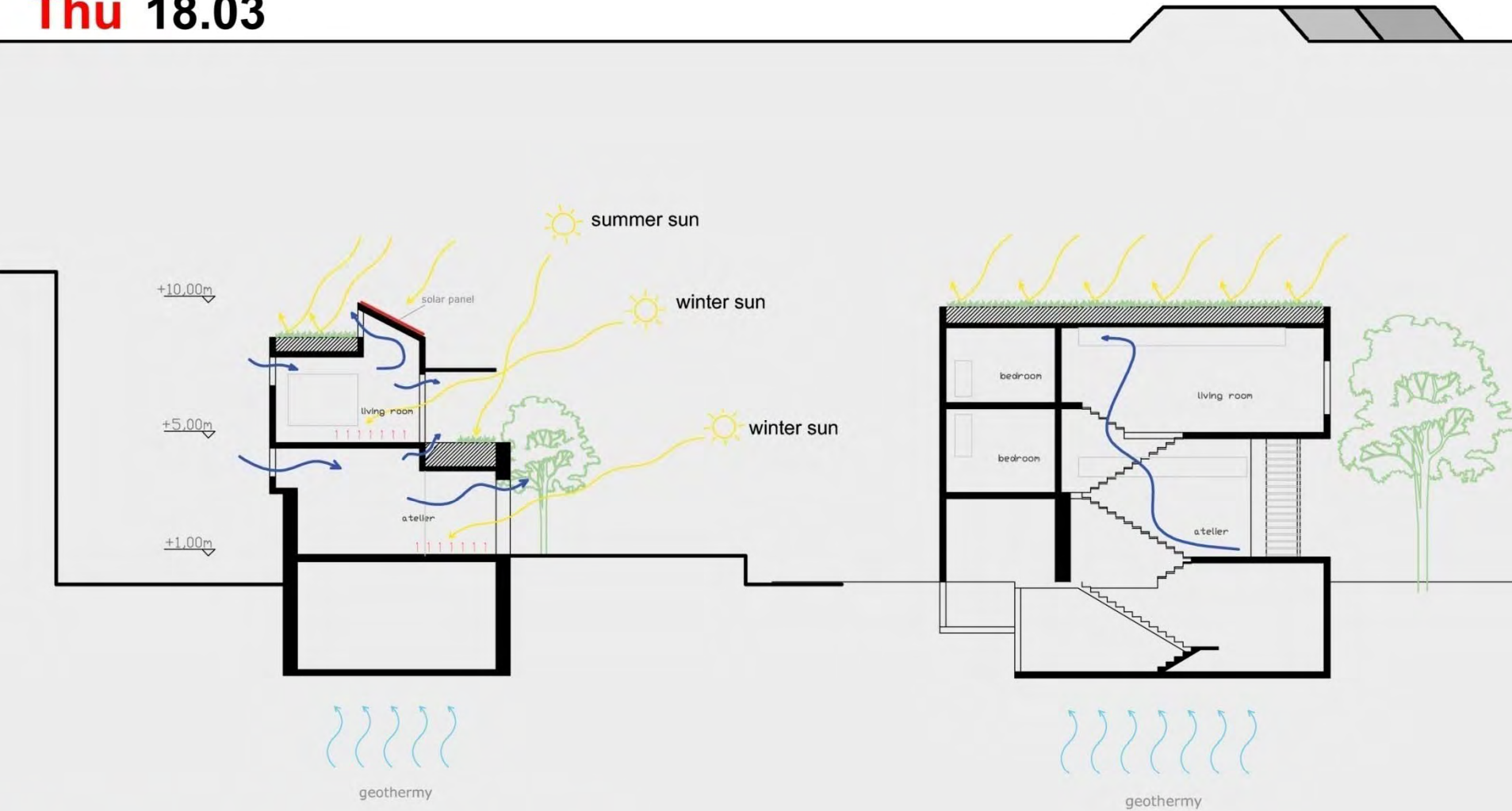
**Thu 18.03**



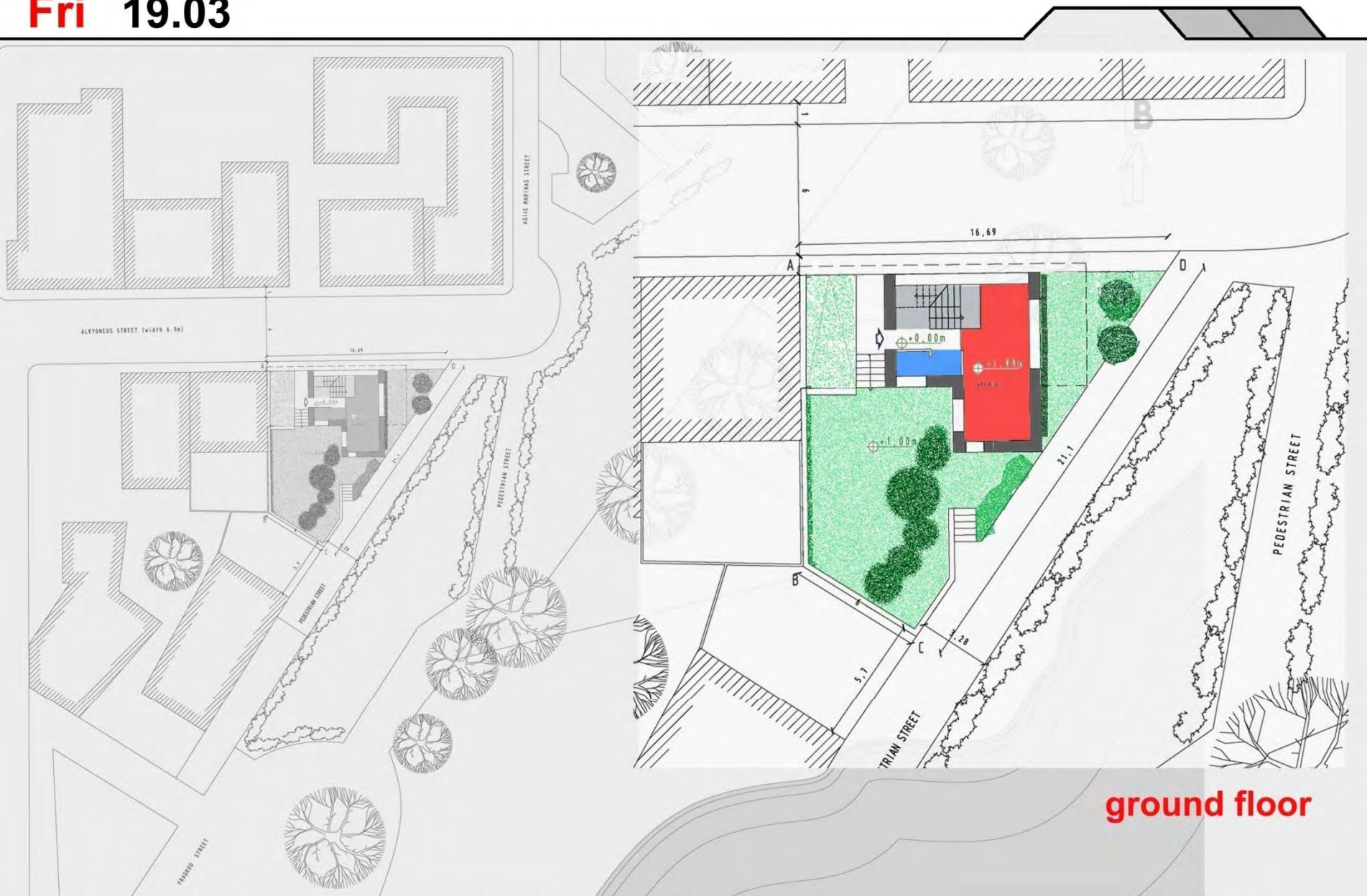
**first attempts**

**zero emissions house@site in Artemida\_office Couvela.com**

**Thu 18.03**



## ventilation and solar diagrams



ground floor

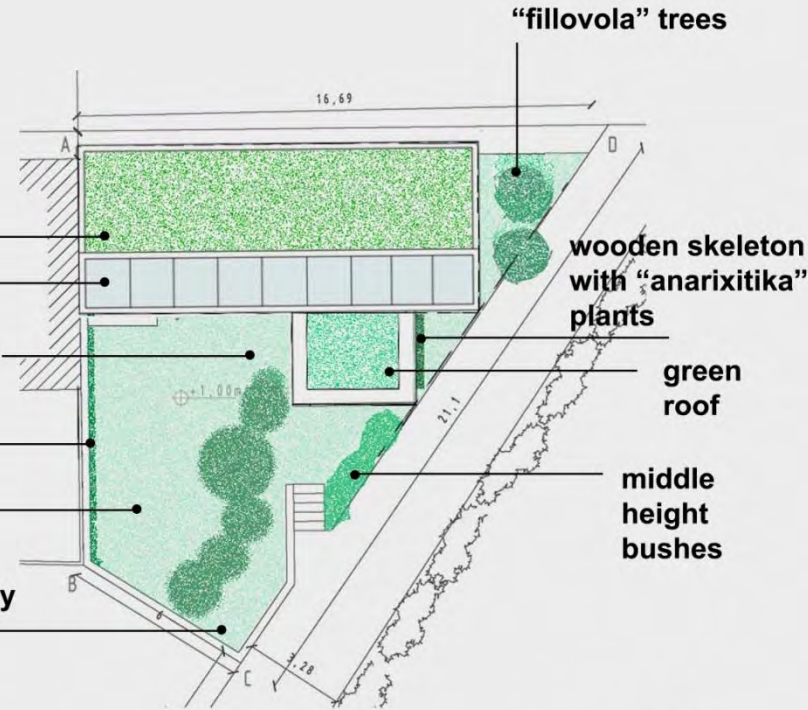


**first level**



**second level**

- “anidri” green roof
- solar panels
- “open space” of atelier
- green wall
- private coutryard
- “windy” balcony with view



“fillovola” trees

wooden skeleton with “anarixitika” plants

green roof

middle height bushes

roof

**planting strategy**



**North facade**



**South facade**



**East facade**





9:00 am



12:00 pm



15:00 pm



18:00 pm