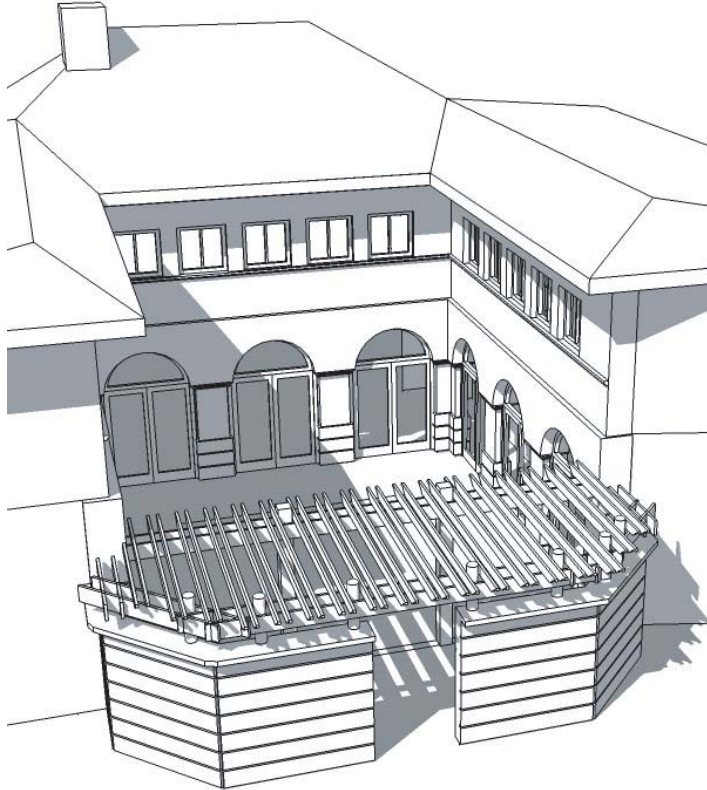


# Courtyard House - Concept Design

TerraLogos developed the concept design for a large, 2-story courtyard house. The client had worked many years in the eastern Mediterranean and in Greece and Turkey. TerraLogos incorporated attributes of Mediterranean design and lifestyle for the home, to be constructed on the client's property in the suburban/rural landscape of Maryland. TL proposed a light-filled and spacious, but energy efficient home using a ground loop geothermal HVAC system. The house wraps around a 40' x 50' courtyard designed to hold the owner's extensive sculpture collection.



TERRALOGOS  
ECO ARCHITECTURE, PC



BIRDS EYE VIEW INTO COURTYARD

CLIENT:  
Private Developer

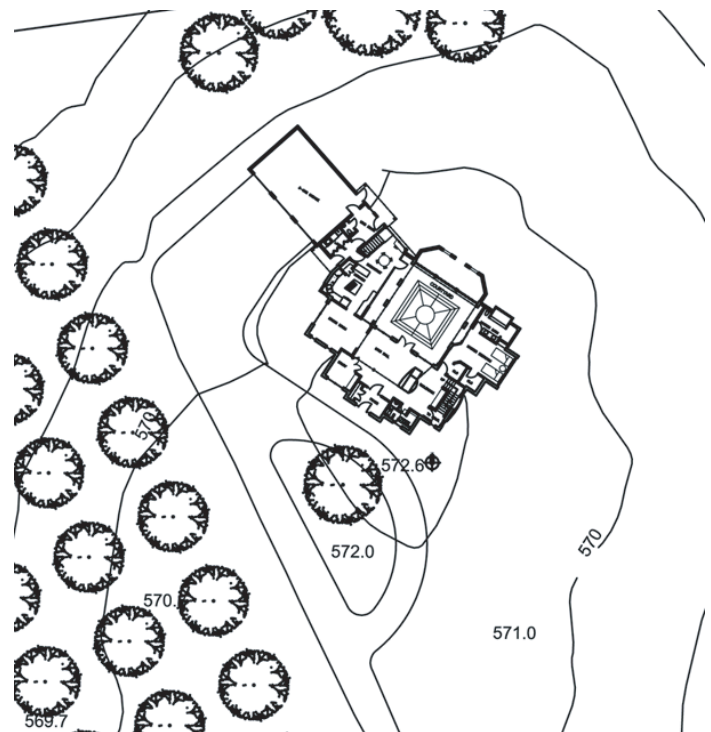
PROJECT LOCATION:  
Sandy Springs, Maryland

COST:  
Estimated \$750,000

COMPLETION:  
Project Not Constructed

## ENVIRONMENTAL DESIGN FEATURES:

- Courtyard designed to be shaded during the summer and provide natural cooling
- All rooms positioned around the courtyard to provide natural ventilation of cooled air
- Exterior walls made of environmentally friendly and regionally produced aerated concrete block
- High efficiency geothermal heating with radiant floors
- Low VOC materials use to provide a healthy interior atmosphere
- HVAC system zoned to separate the guest quarters from the rest of the home
- Low-E windows



SITE PLAN