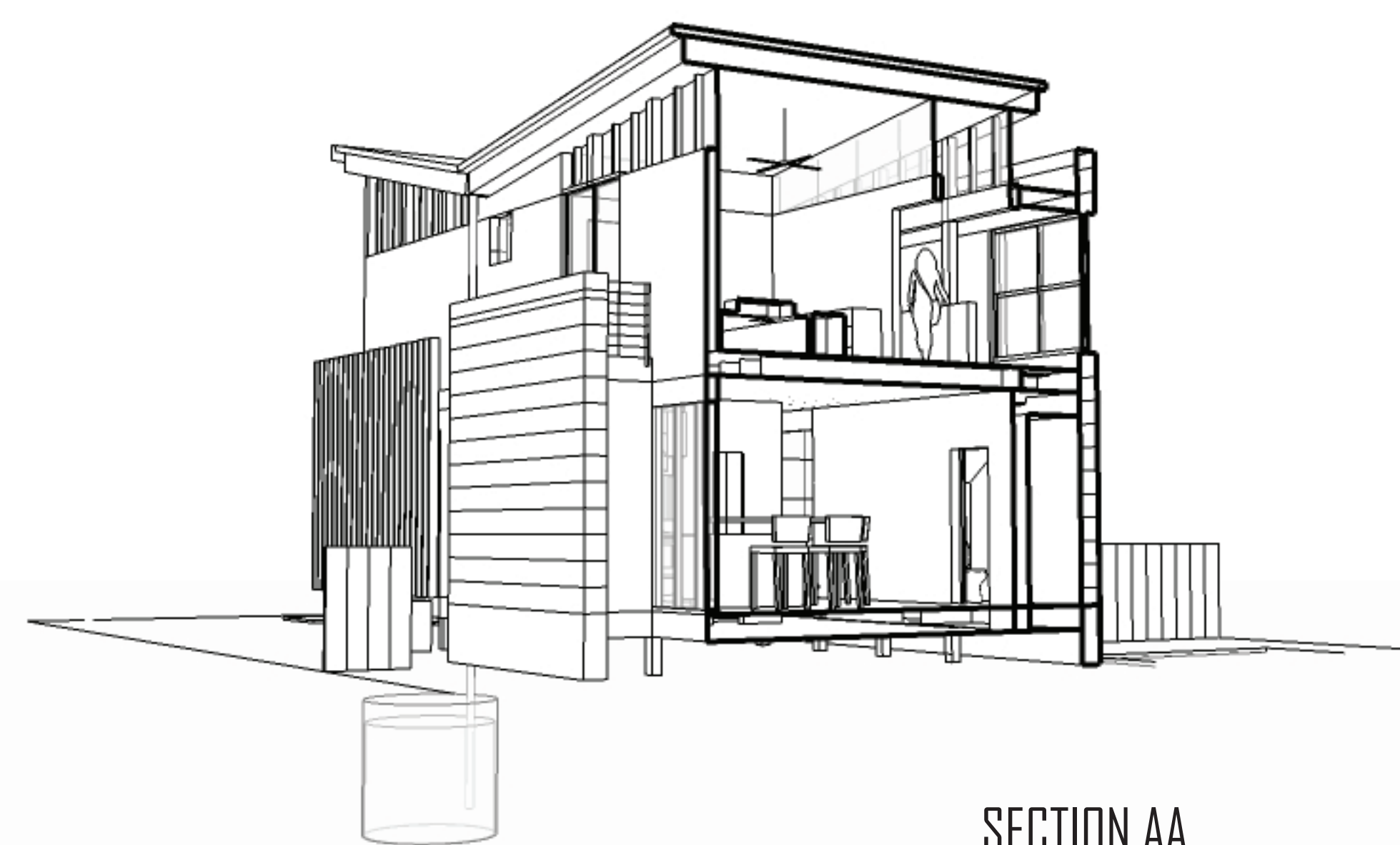
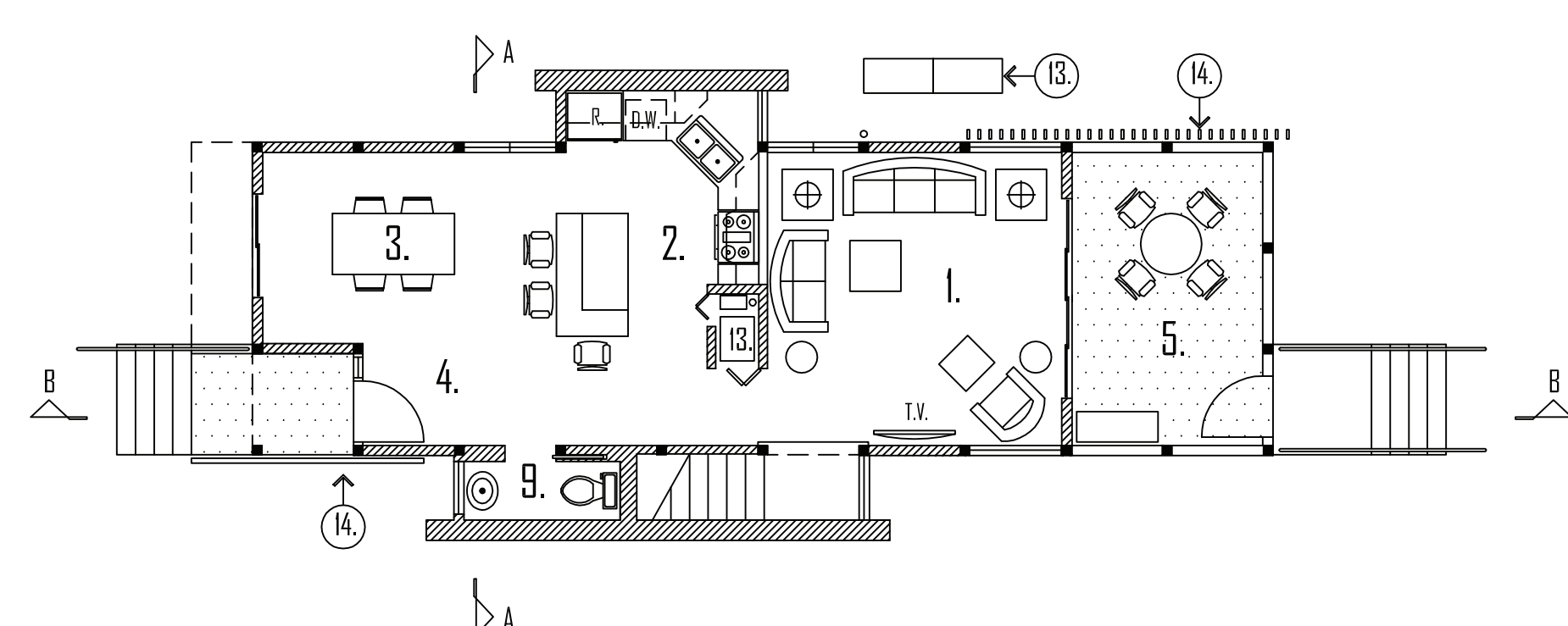




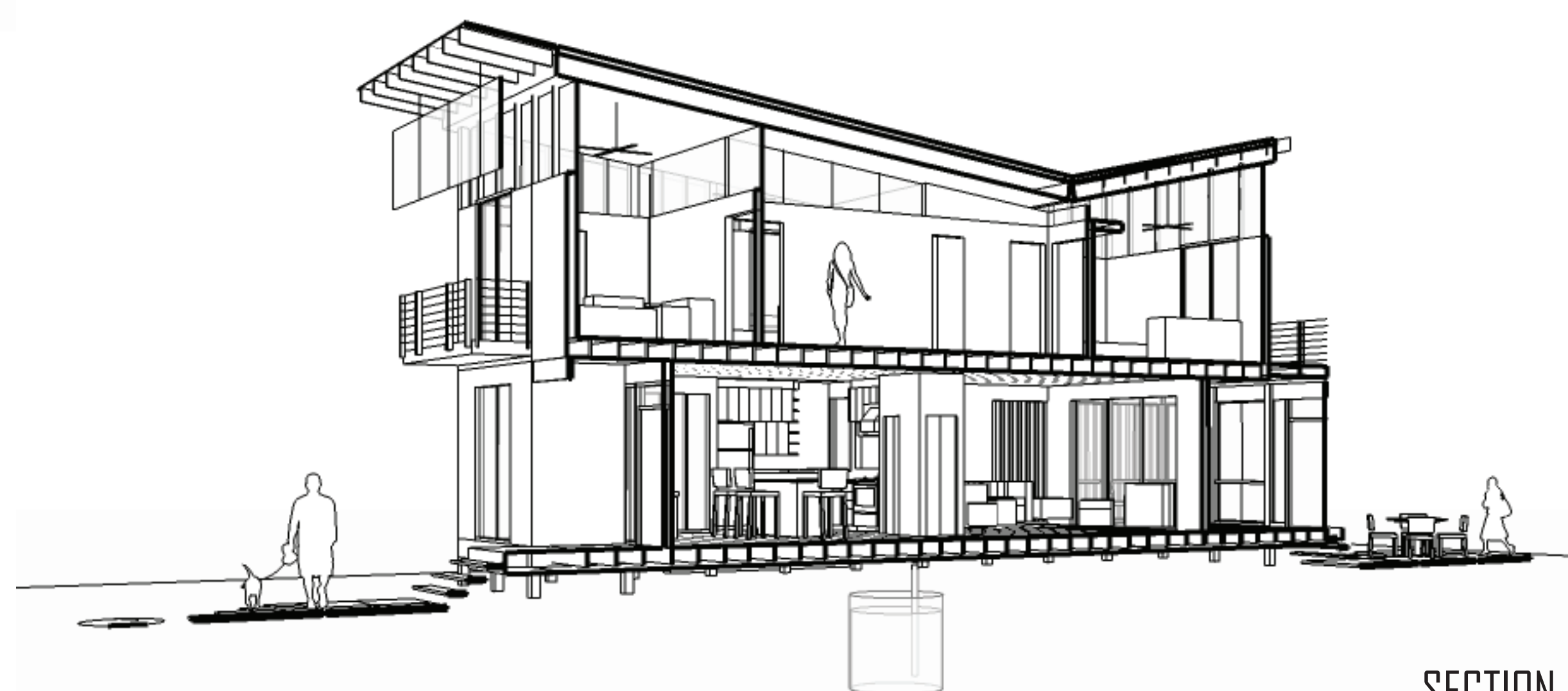
VIEW AT ENTRANCE



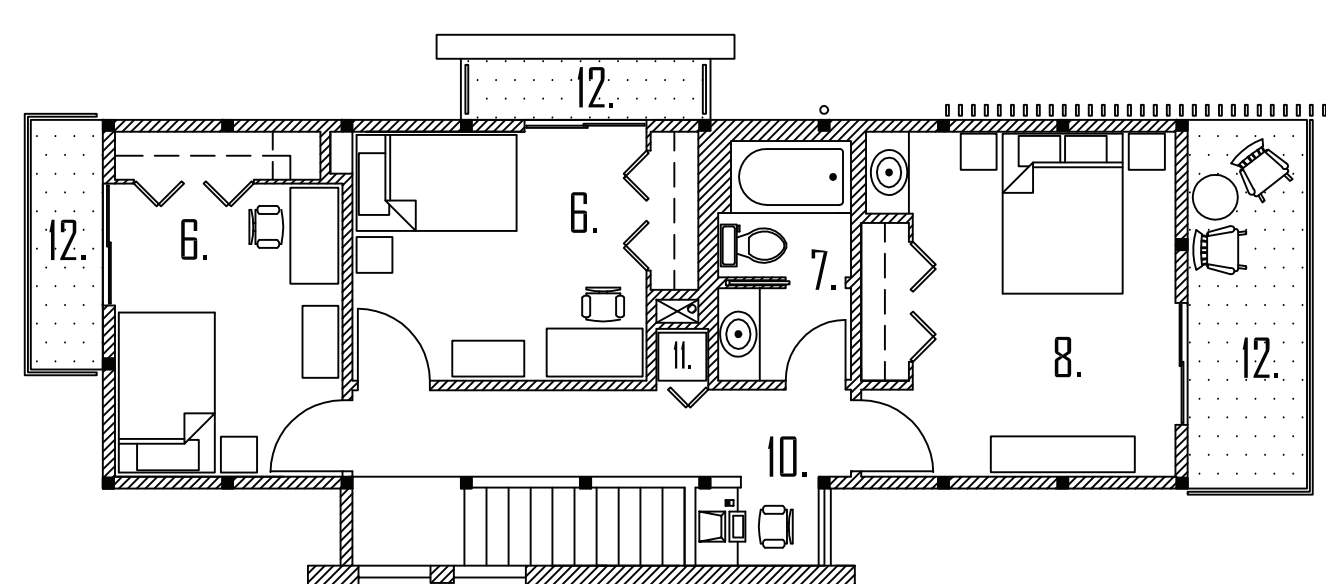
SECTION AA



FIRST FLOOR



SECTION BB

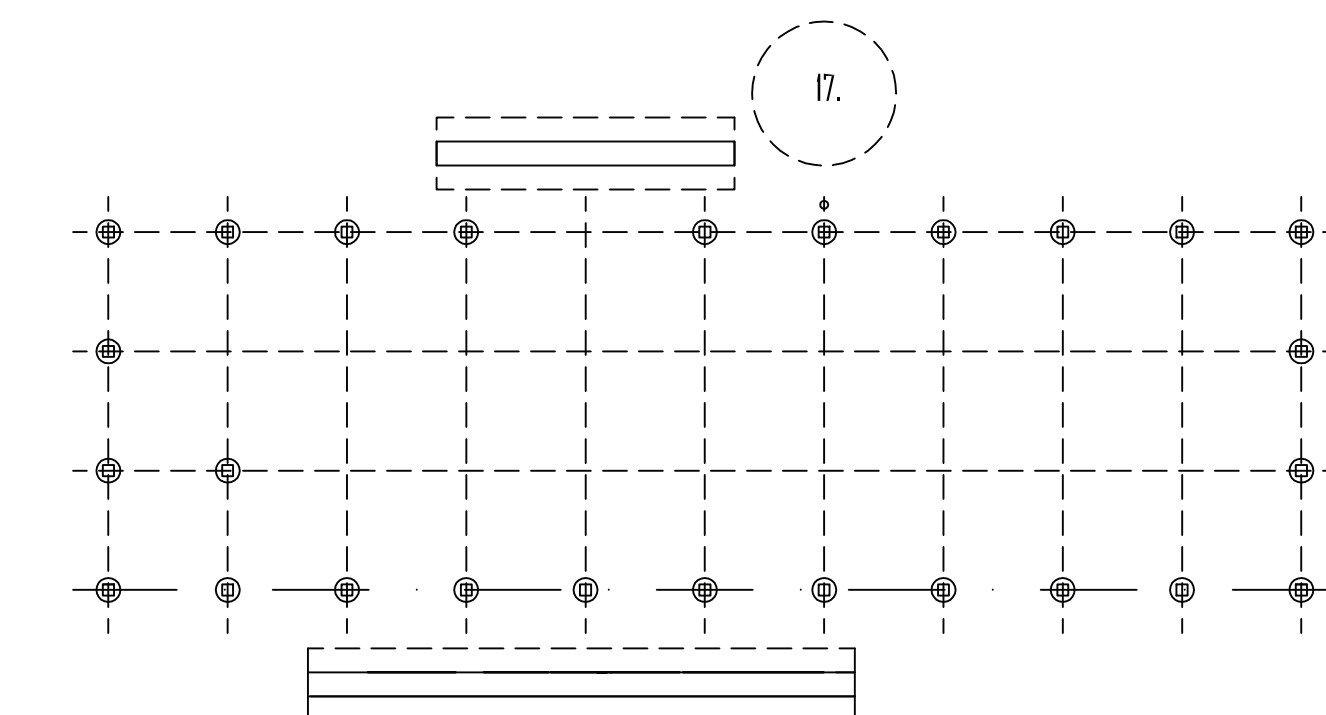


SECOND FLOOR

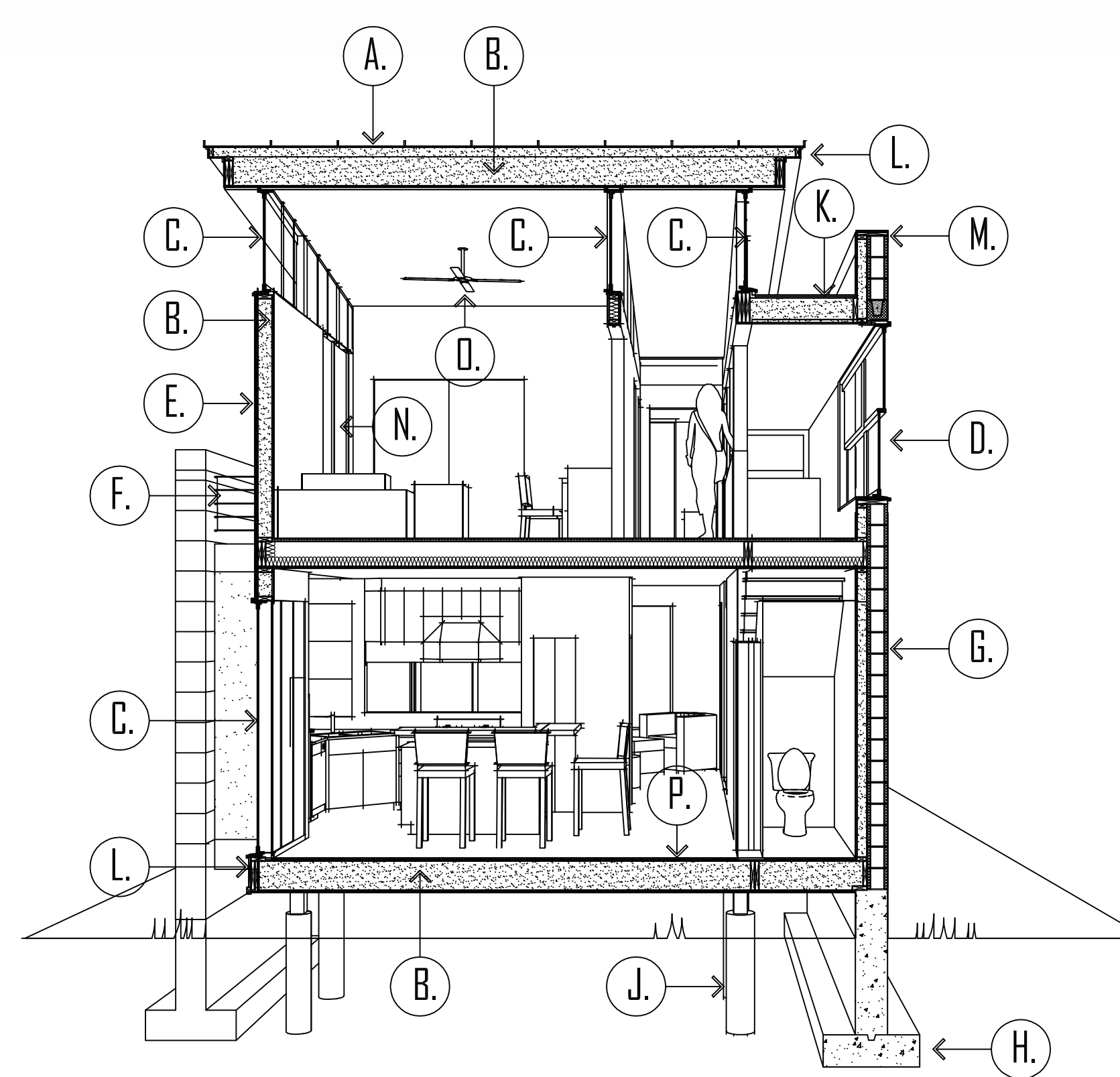
KEY:

- 1. LIVING ROOM
- 2. KITCHEN
- 3. DINING ROOM
- 4. FOYER
- 5. SCREEN PORCH
- 6. BEDROOM
- 7. BATHROOM
- 8. MASTER BEDROOM
- 9. POWDER ROOM
- 10. STUDY ALCOVE
- 11. WASHER/DRYER
- 12. BALCONY
- 13. MECHANICAL
- 14. SLATTED PRIVACY SCREEN

"...in hot and humid climates a long and narrow house promotes cross ventilation."



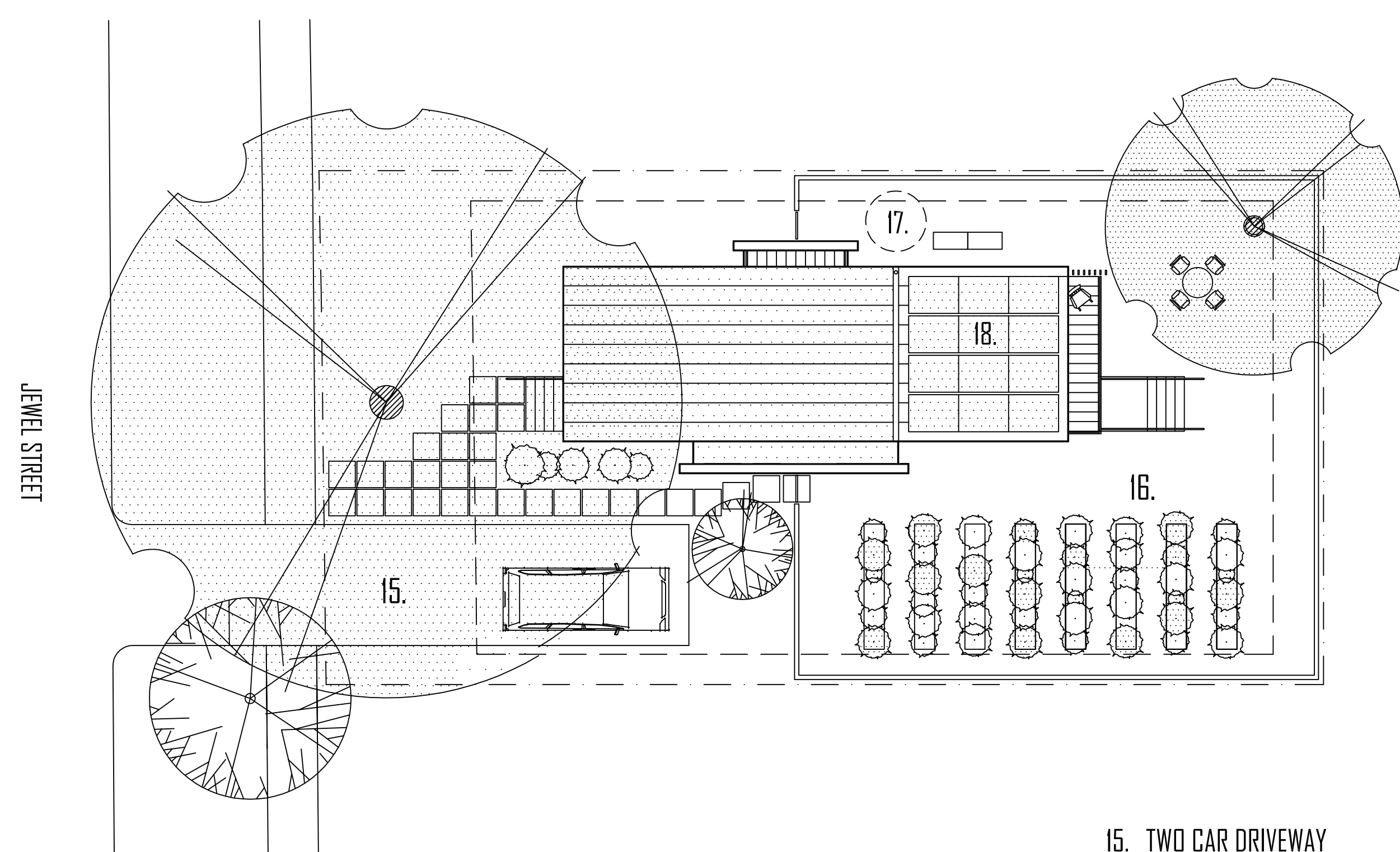
FOUNDATION PLAN



WALL SECTION

MATERIALS LIST:

- A. STANDING SEAM METAL ROOF
- B. DAMP-SPRAY CELLULOSE INSULATION
- C. POLYCARBON TRANSLUCENT PANELS
- D. LOW E INSULATED GLASS
- E. CEMENT BOARD PANELS
- F. TENSION CABLE RAILINGS
- G. SPLIT FACE CONCRETE BLOCK
- H. CONCRETE SHEAR WALL FOOTING
- J. CONCRETE PIER FOUNDATION
- K. PVC ROOF MEMBRANE
- L. METAL FASCIA / TRIM
- M. METAL COPING / FLASHING
- N. INSULATED GLASS GLIDING DOOR
- O. CEILING FAN
- P. BAMBOO FLOORING



SITE PLAN

- 15. TWO CAR DRIVEWAY
- 16. VICTORY GARDEN
- 17. 'FUTURE' RAINWATER CISTERN
- 18. 'FUTURE' PHOTOVOLTAIC PANELS

CONCEPT: "...with a limited budget, simple building shapes and stock materials are used in non-traditional ways to create an innovative house that is affordable, sustainable and energy efficient."

DESIGN: "...the most distinguished feature of the house is a 'butterfly' roof. This type of roof offers an opportunity to capture daylight at the perimeter of the building and draw it deep into the center of the house. The butterfly also allows for the opportunities of natural ventilation. To remain cool without the dependence on air conditioning the house is designed to promote the circulation of cool air and to create a draft effect to suck warm air out. Deep overhangs, light colors and reflective materials help to keep the sun's radiant heat outside."

SUSTAINABILITY: "...in addition to the passive systems of daylighting and natural ventilation, the house has been designed to incorporate active systems which may be added in the future. The butterfly roof is an efficient collector of rain water which may be used for irrigation. The roof shape also provides excellent orientation for a photovoltaic array which could supply much of the house's electrical requirements."