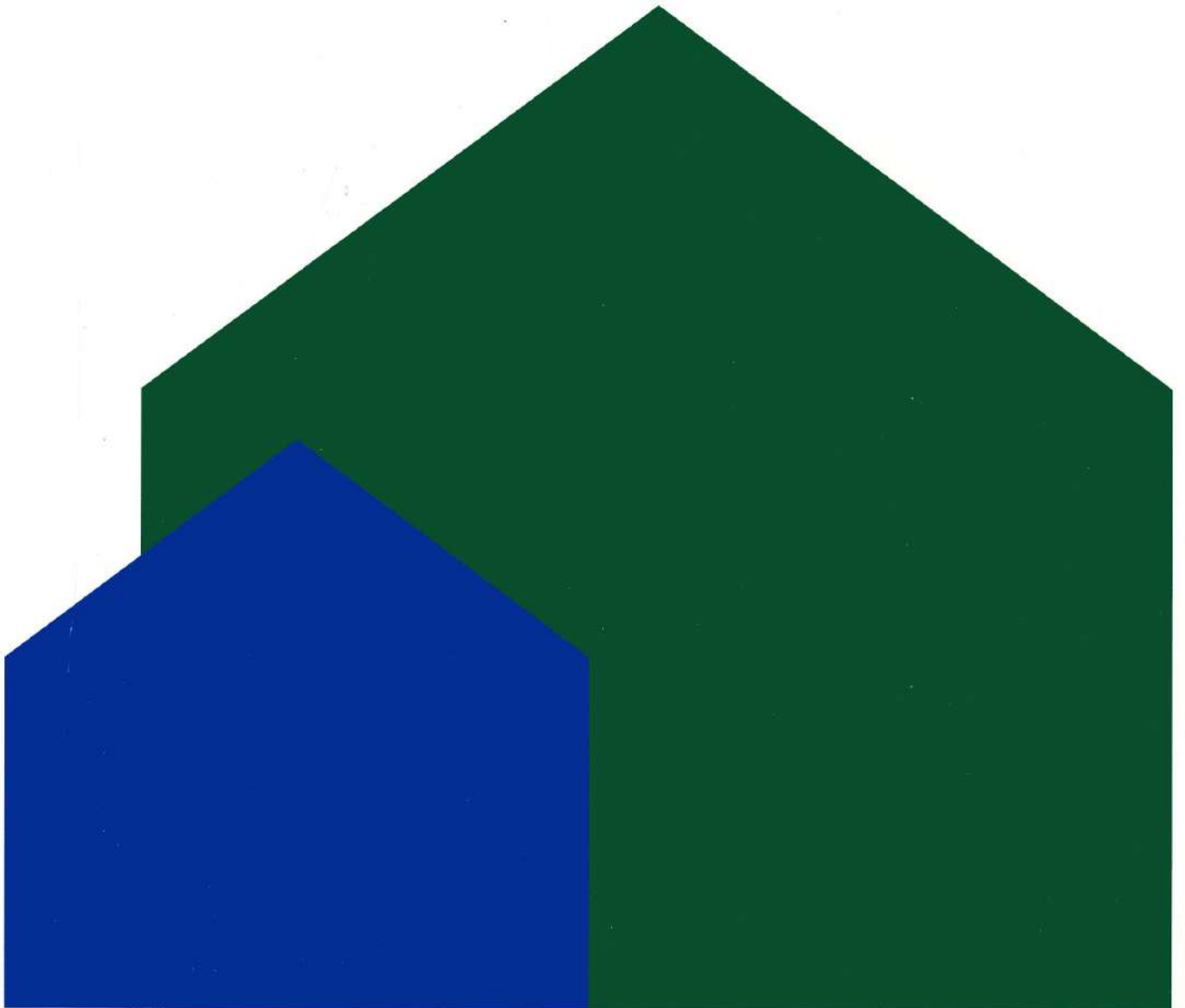


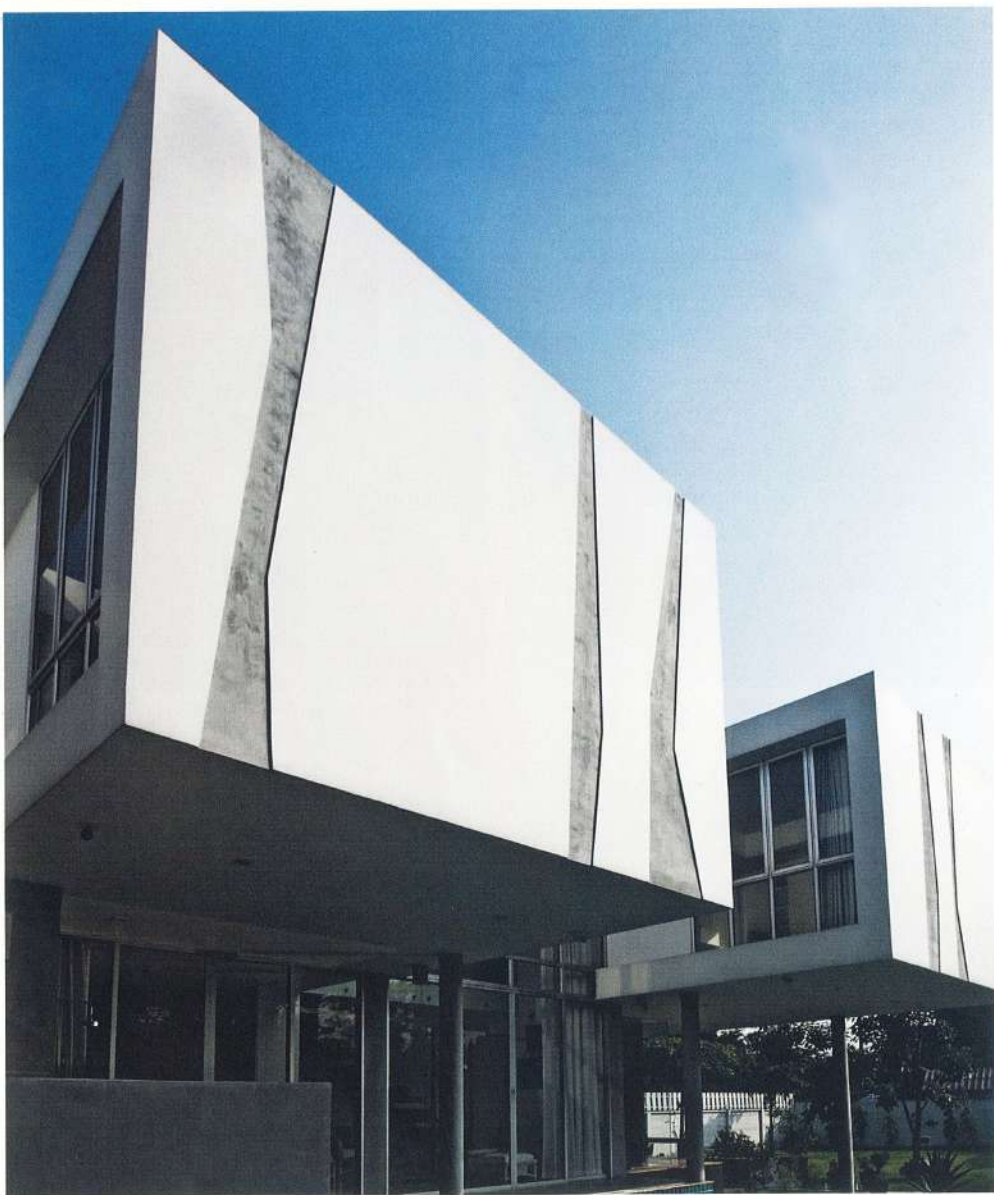
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Paperback

30 Houses
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SMALL MEDIUM HOUSES





13/30
C HOUSE
 BY IDIN ARCHITECTS
 132-141

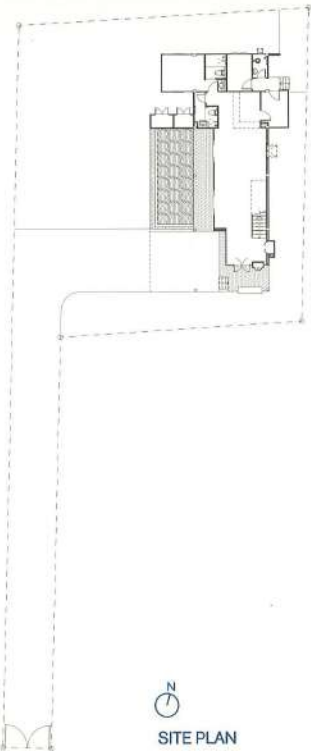
Location **Bang Khen,**
Bangkok, Thailand
 Completion **2007**
 Area **330 sq.m.**

Owner **Chitti & Chanatchon Vijakkana**
 Architect **Idin Architects: Jeravej Hongsakul**
 Interior Architect **Cows Design**
 Structural and System Engineer **Pakanut Siriprasopsothon**
 Photography **Jeravej Hongsakul**



C House is begun with an effort to divide and resize the conventional living space at the same time with to minimize the building coverage area to have an appropriate functional area that enough for a parent with 2 kids.

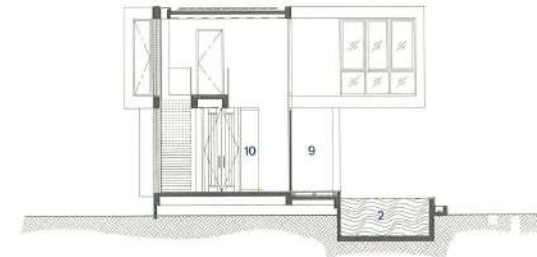
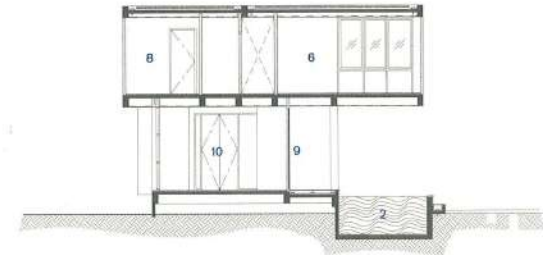
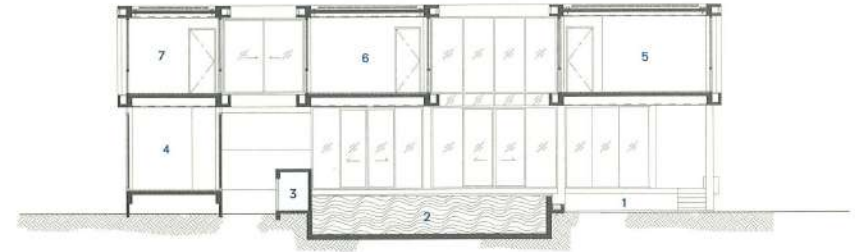
Initial design processes are all about encountering and solving problems from the natural orientation, wind and sunlight of Bangkok, and also the requirements of the owners. Because, the site is confronted to the west, with the extreme sunshine during afternoon, and the owners come up with the strict requests of transparency, openness, and simplicity those provide the connection to the garden at the front yard during the day with no lath or lattice at all.



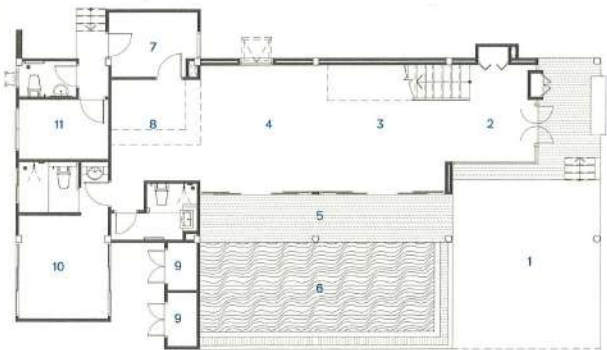
So, we divide the functional program on the second floor to be three parts of usages and arrange them as the three boxes those are laid down from west to east. We can reduce the size of wall façade and receive the natural wind at the same time. And also, the boxes can be connected to each other with an axis of circulation that also provides a visual linkage between these three boxes.

We rely on these second floor's three boxes to create sunshade for each other by locating and cantilevering them properly. The floating massive forms are also created a set of open space and semi-open space downstairs and also the sunshade to the ground floor of functional areas.

Every single detail of solid and void recognitions and the relationship between architecture and environment are demonstrated through CAD and 3D program to study light and shadow on the building by the sun direction along the year and along the day. By this way, at the downstairs, the owners can look at the garden through the glass panels as the primary request.



1. carport
2. swimming pool
3. mechanical room
4. bedroom 1
5. master bedroom
6. family room
7. bedroom 2
8. prayer room
9. terrace
10. dining room



GROUND FLOOR PLAN

- 1. carport
- 2. entrance hall
- 3. living room
- 4. dining room
- 5. terrace
- 6. swimming pool
- 7. kitchen
- 8. pantry
- 9. mechanical room
- 10. bedroom 1
- 11. maid room

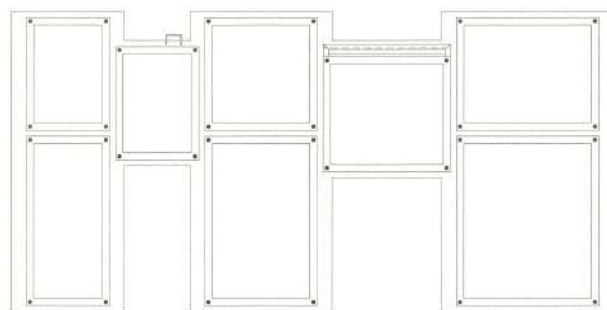
GROUND FLOOR PLAN



SECOND FLOOR PLAN

- 1. master bedroom
- 2. walk-in closet
- 3. family room
- 4. prayer room
- 5. bedroom 2
- 6. bedroom 3

SECOND FLOOR PLAN



ROOF PLAN





Furthermore, the heat resistance for this house is also another important consideration, especially for the roof and wall elements. Beside the heat insulation on the ceiling, a number of solar slabs with ceramic coating paint coating paint are laid on the roof top. And the wall details are also concentrated: the west wall is designed to be double wall, we also insert the heat insulation between them. The day-lighting is brought in those spaces which are used during the day to save the waste of energy on artificial lighting.

Although the aspect of C House is much about modern architectural character, but for the spatial design strategy, it is well come up with the tradition Thai lifestyle to response to the 'open to nature' lifestyle and atmosphere in architecture through more semi-outdoor space usage and create low energy usage of air conditioning and artificial lighting. These all have been claimed as our design philosophy and attitude since the beginning.

