

SMALL WOOD HOUSES

A photograph of a modern wooden house with a large window, set against a backdrop of a large pine tree and a body of water at dusk. The house is constructed from vertical wooden planks and features a large, dark-framed window that reflects the surrounding landscape. The pine tree is tall and has a thick, textured trunk. The water is calm and reflects the light from the sky. The sky is a mix of blue and orange, suggesting the time is either dawn or dusk.

LINKS

Jean-Baptiste Barache

House in Normandie

Auvilliers, Seine Maritime, France

This barn or church-like house in Normandy is a 21,189 cu.ft (600 cu.m) container facings south; a smaller box within it faces north. Rising to only half the height, it distributes the 1291 sq.ft.(120 sq.m) floorspace without dividing it, to create various functional areas: dining, bathing, reading (underneath), living and sun(in front), sleeping (inside) and working (on top).

The primary structure of 20 reinforced concrete pylons supports four gabled truss frames of glued laminated pinewood that permit an entirely open plan. The exterior is clad with red cedar shingles; it changes under varying weather conditions, orange and shining in the rain, silvery in the sun. The local pinewood carpentry is dark outdoors, pale indoors. The terrace is a platform of larch boards. The interior is uniformly clad with pinewood laminate, except for the floor which is enameled in white. A central wood stove is encased in brickwork masonry.

A terrace projects outward beyond the glazed south gabled elevation, creating a direct connection with the landscape; the eaves shelter the interior from the vertical summer sun, which floods the room with light and warmth in the winter. Devoid of an electrical installation, the house is lit with candles or oil-lamps, leaving dawn and sundown, the moon and the stars in full possession of the stage; the shadows of people and objects acquire a forgotten beauty. Strategically placed openings provide sufficient natural ventilation.

One enters directly into the 430 sq.ft kitchen and dining area (40 sqm). As in Japanese homes, near the door there is an area where shoes can be removed; thus the floors remain clean enough to be sat on. In the center there is a thick wooden table on which food is prepared and eaten, homework done, or any other activities requiring a table-top, as it is the only one in the house. Two 49.2 ft long shelves (15 meters) along either side of the house provide storage and leave all the rest of the space uncluttered with furniture.

The bed-boxes open into the common space and can be concealed by drawing a curtain. The idea is to recover the pleasure of sharing the hours of rest, the warmth of a livingroom turned dormitory. The bathtub disappears inside a cupboard when not in use. When the doors open part of the common space is annexed to the bathroom, which acquires a 39 sq.ft (12 sq.m) window for the bather to enjoy.

After the primary structure of glued laminated wooden structural frames was installed by carpenters upon the concrete pylons, the entire remaining construction was carried out by a single individual in 18 months work, at a cost of 71 000 euros.

Photographs:

Gaelle Le Boulicaut

ARCHITECT:

Jean-Baptiste Barache

LOCATION:

Auvilliers, Seine Maritime, France

PROJECT MANAGEMENT:

Damien et Jean-Baptiste Barache

ARCHITECT:

Jean-Baptiste Barache, architect

STRUCTURE AND FOUNDATIONS:

DUHAMEL, Autigny, Seine Maritime

OTHER PARTS OF THE BUILDING: Self-built

MATERIALS:

STRUCTURE:

Glued pine plywood and solid pine

EXTERIOR CLADDING:

Red Cedar boards

INTERIOR CLADDING:

Panels of pine plywood

STOVE: Brickwork

CONSTRUCTION BEGUN: 10 August 2004

CONSTRUCTION CONCLUDED:

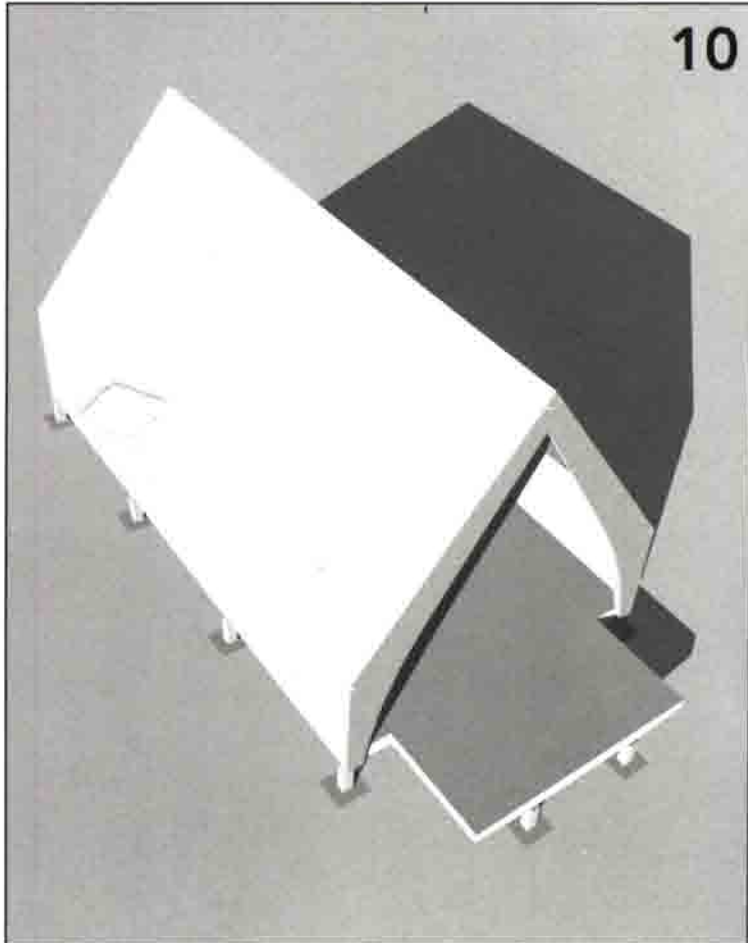
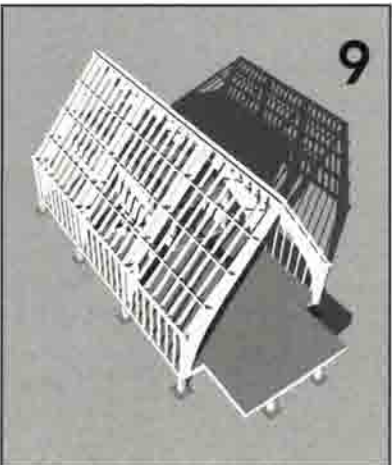
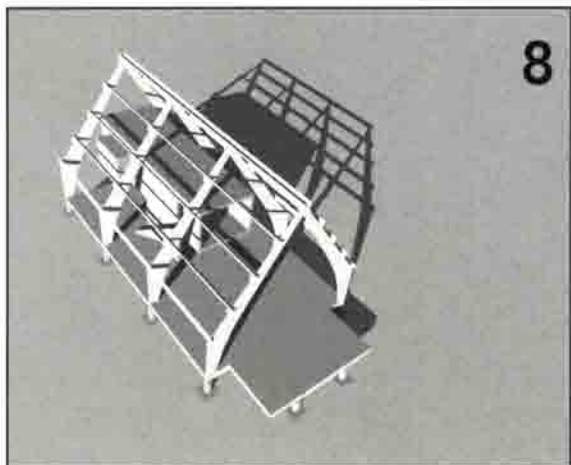
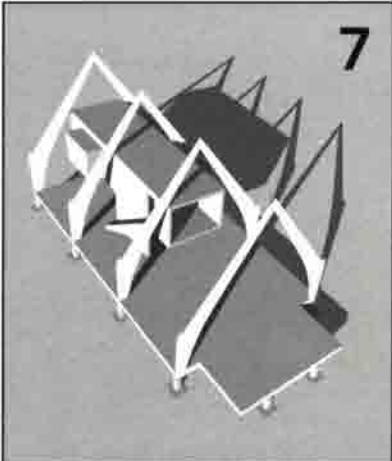
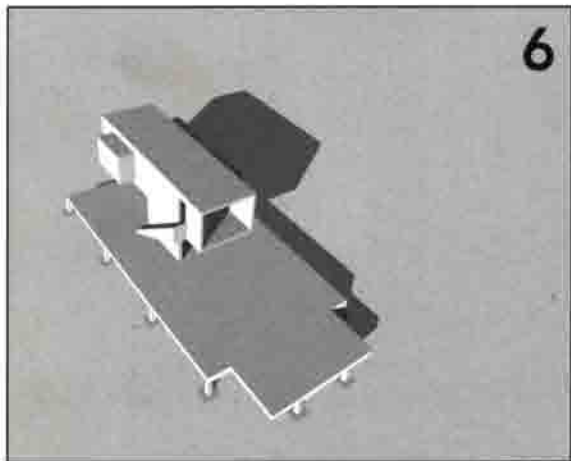
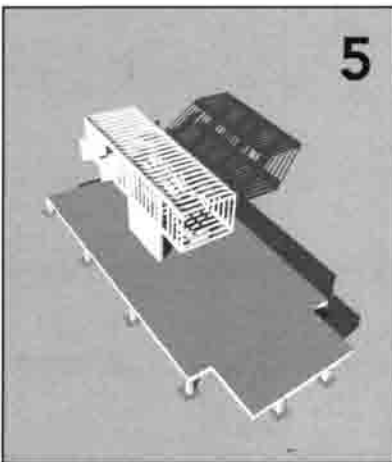
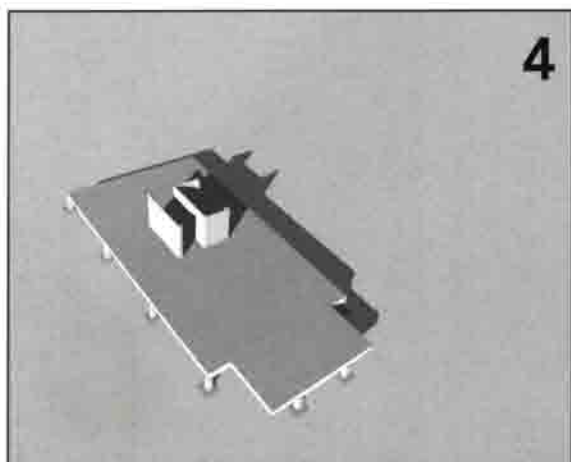
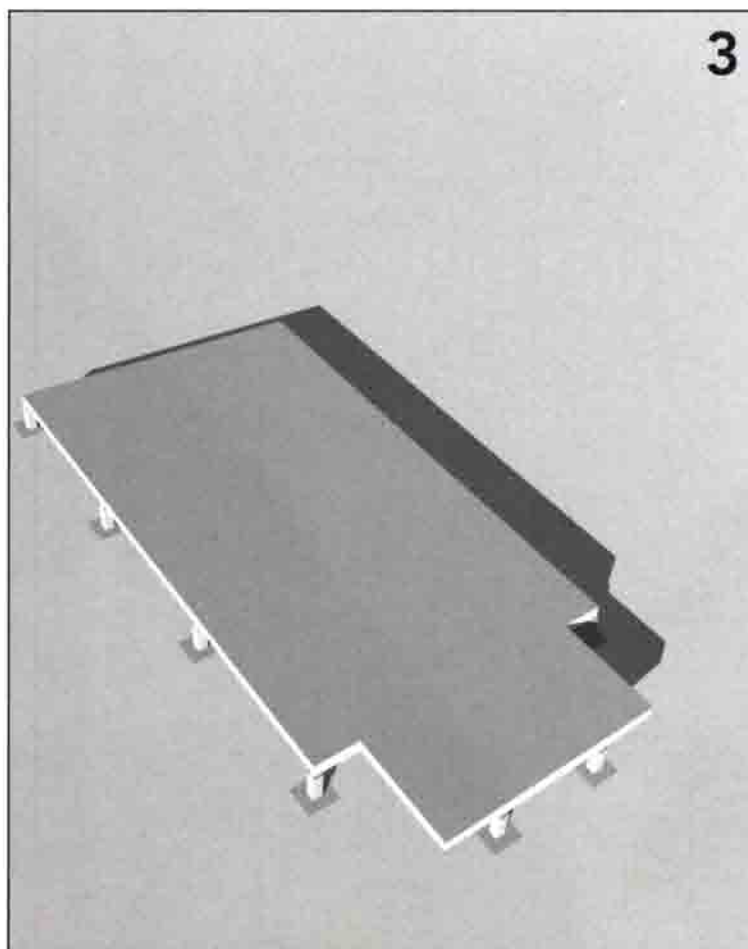
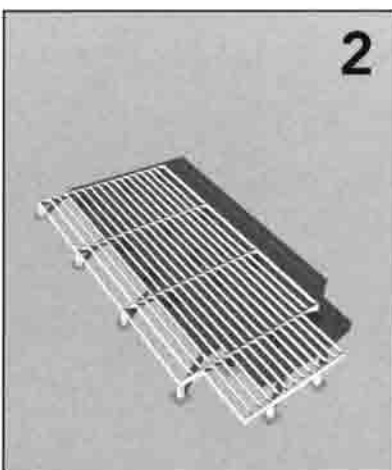
10 February 2006

DURATION OF WORK: 18 months

SITE SURFACE AREA: 2220 sqm

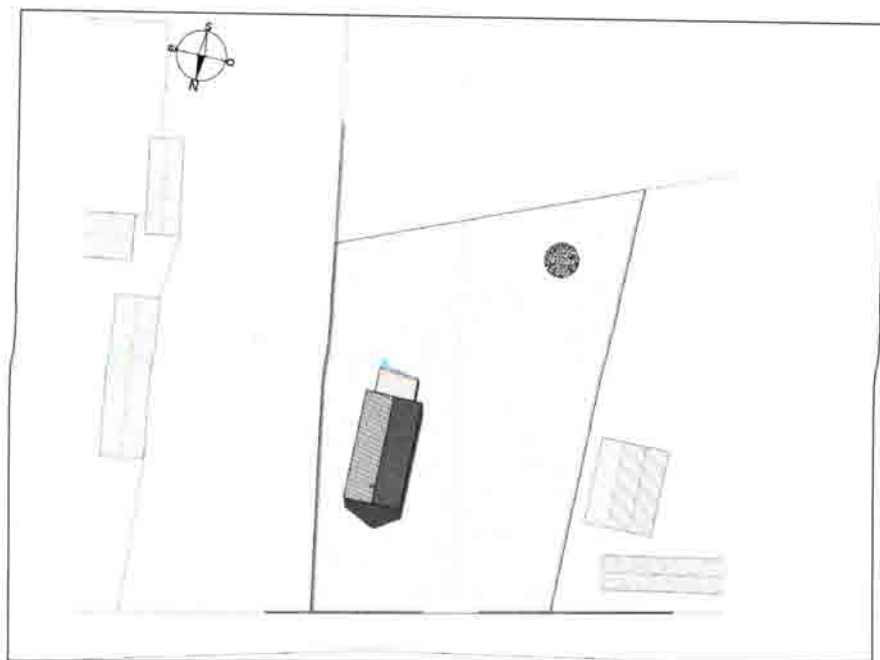
CONSTRUCTED SURFACE AREA: 120 sqm

INTERIOR VOLUME: 600 m³







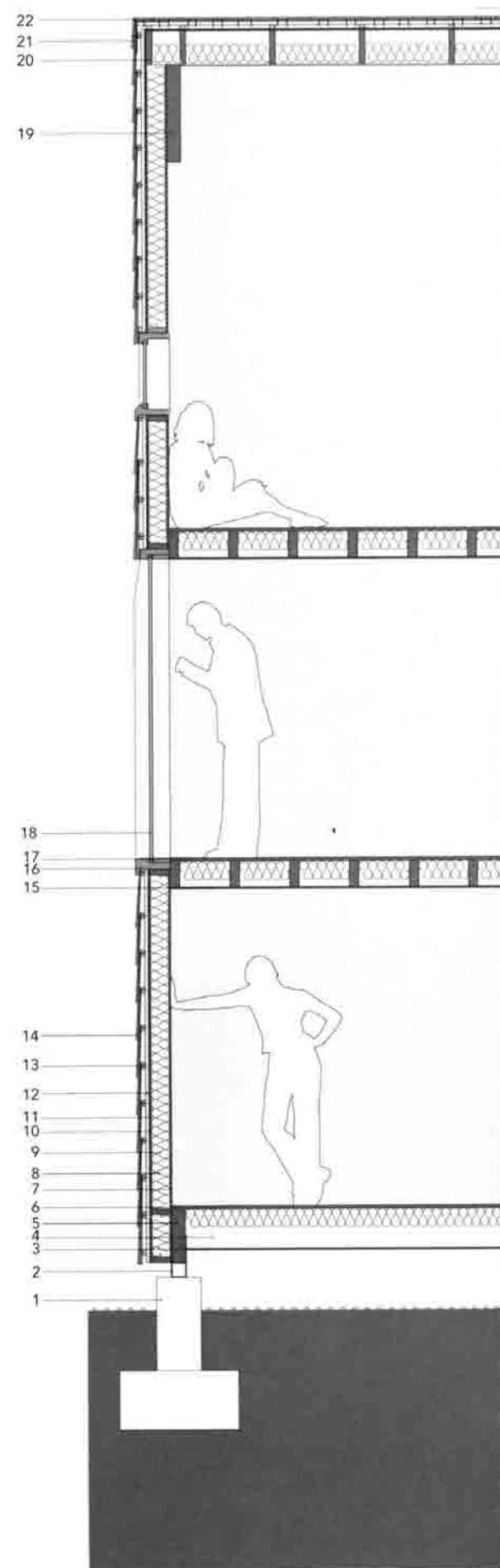
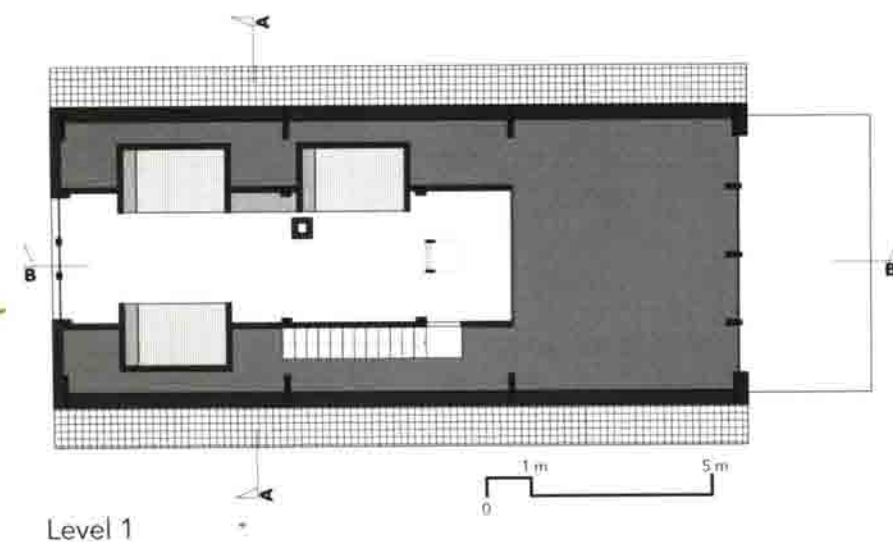
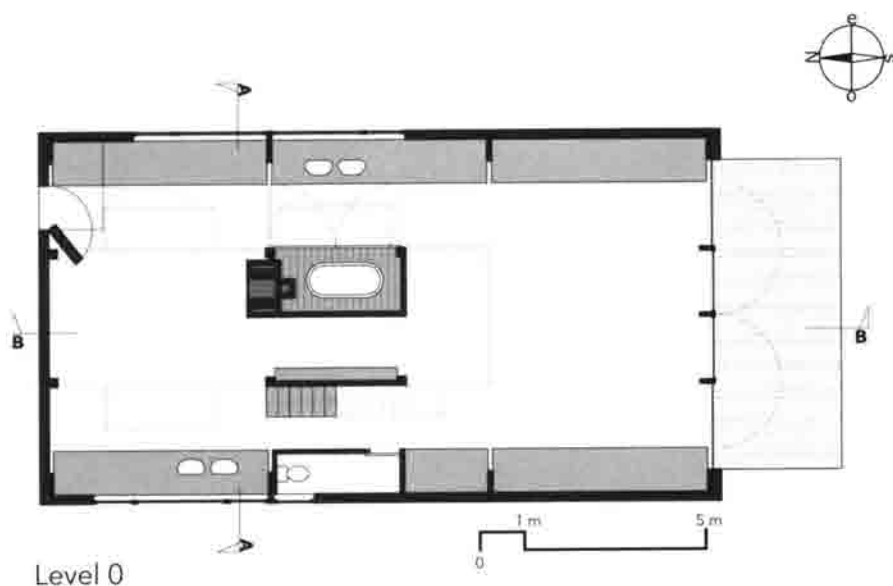


The exterior is clad with red cedar shingles; it changes under varying weather conditions, orange and shining in the rain, silvery in the sun

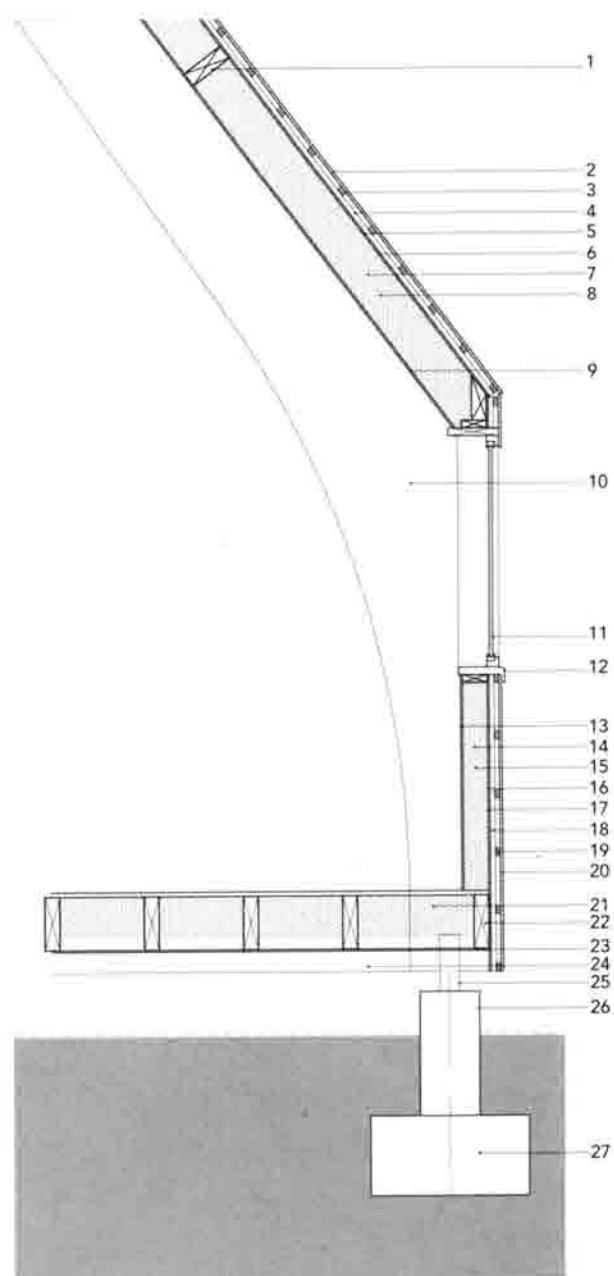
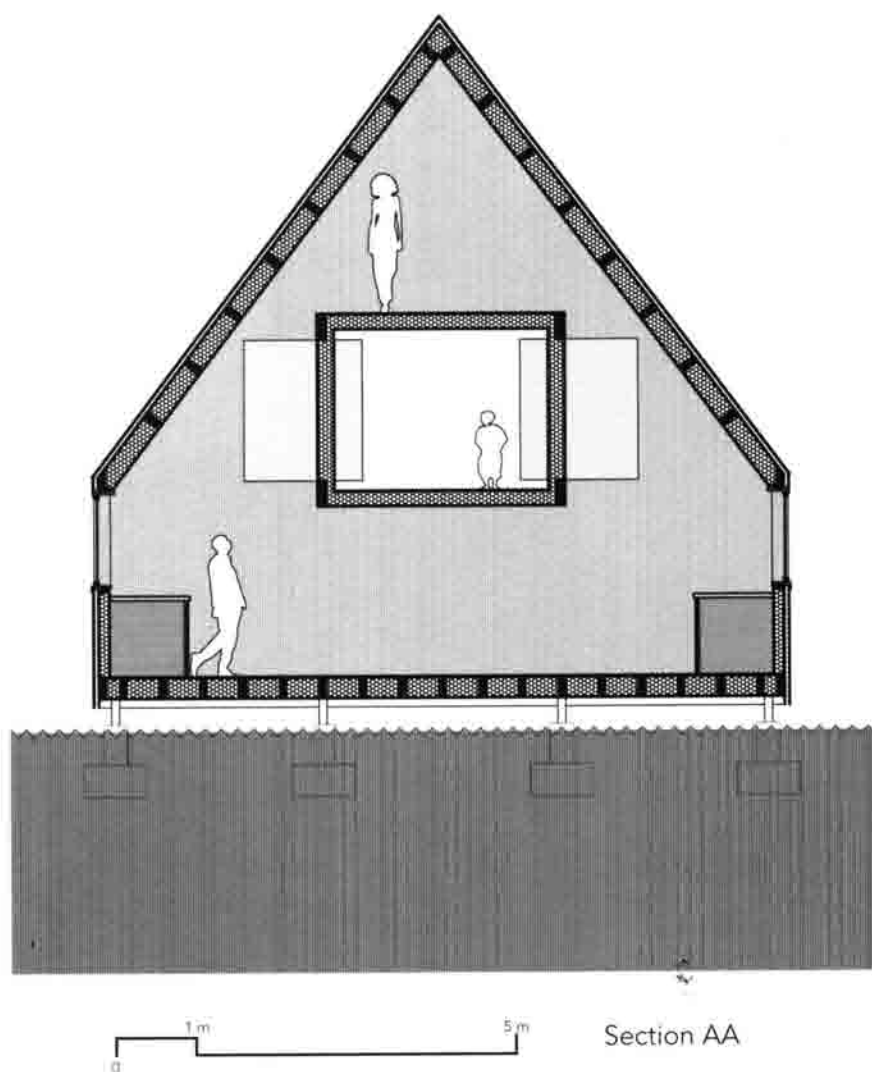




1. Base terrain
2. Steel fixtures
3. Oriented Strand Board 10mm
4. Joist of laminated wood, glued, 70x267
5. Baseplate of glued laminated wood, 360x90
6. Sheet of chipboard, lacquered
7. CP pine 10 mm
8. Rockwool + vapor barrier
9. Riser of Norway Pine 38x125
10. Oriented Strand Board 10 mm
11. Waterproof drip
12. Vertical counterlathing
13. Horizontal lathing
14. Board of red cedar, 25 cm
15. CP pine 10mm
16. Carpentry: pine (scorched exterior finish, varnished interior)
17. Sub floor boarding CP pine 22 mm
18. Double glazing 4/12/6
19. Cladding of glued plywood
20. Joist 38x225 mm
21. Folded zinc sheeting
22. Alternate assembly of the roof-shingles along the edge



Detail of the windows facing north

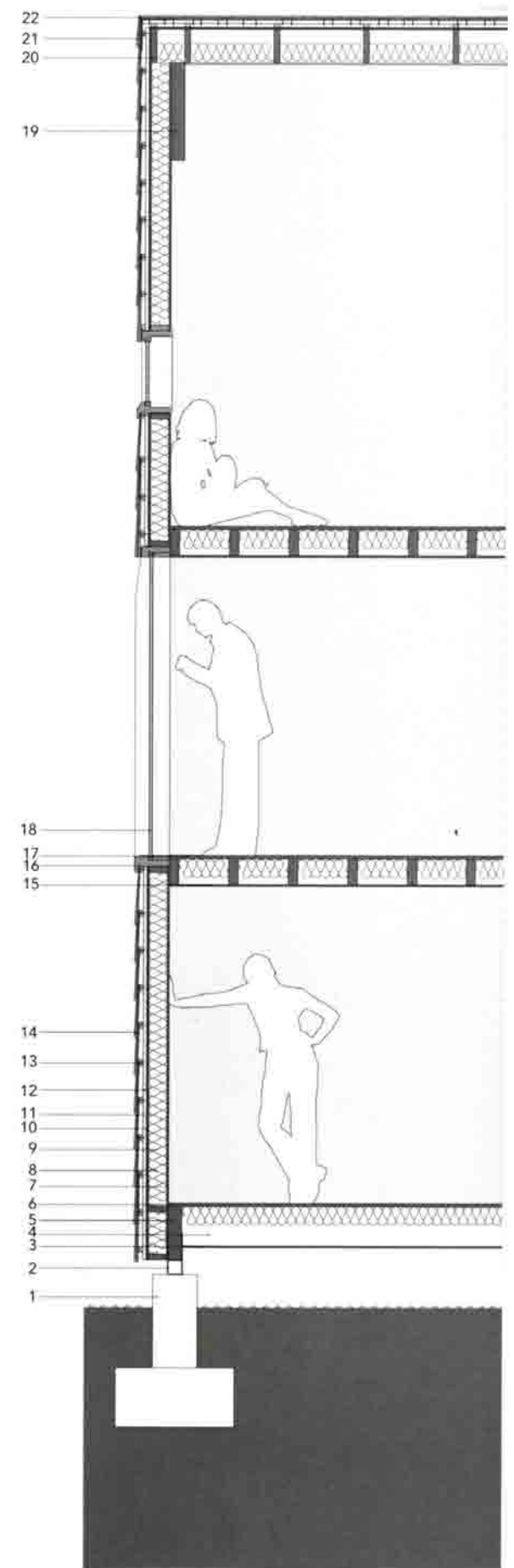
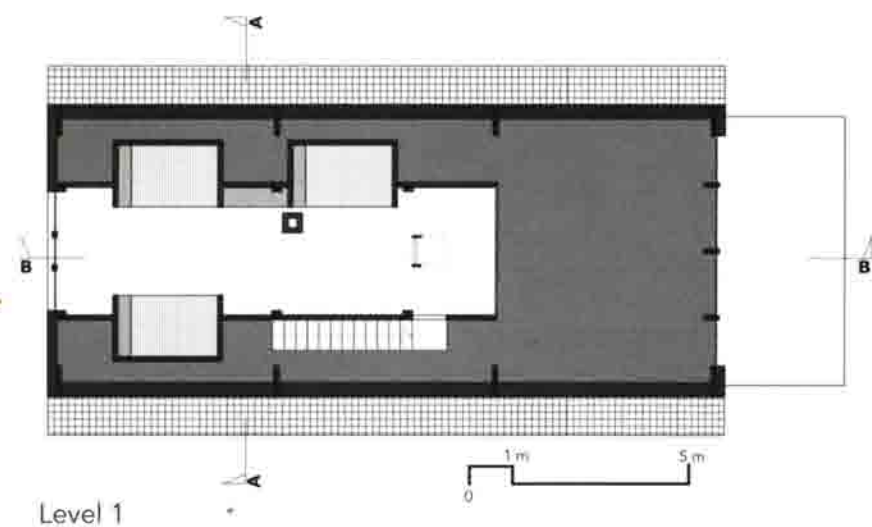
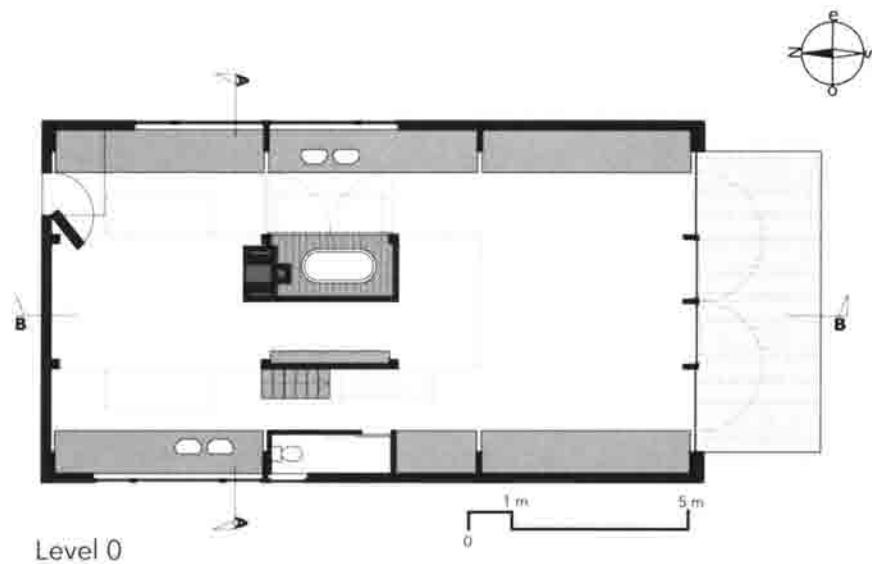


Detail of windows facing east and west

1. Roof beam 75x25
2. Red cedar roof-shingles
3. Horizontal lathing 25x38
4. Vertical counterlathing 25x38
5. Panel Oriented Strand Board 10 mm
6. Waterproofing layer
7. Rockwool
8. Beams of Norway Pine
9. Panels of pinewood ply10 mm
10. Enclosure of laminated glued Norway pine
11. Double-glazing 4/12/6
12. Carpentry of local pinewood, varnished interior, scorched exterior
13. Panels of pinewood ply10 mm

14. Risers of Norway pine 38x125
15. Rockwool
16. Panel Oriented Strand Board 10 mm
17. Waterproofing layer
18. Vertical counterlathing 38x25
19. Horizontal lathing 38x25
20. Red cedar roof-shingles
21. Rockwool
22. Joists of laminated wood, glued 90x360
23. Lower side: OSB 10 mm
24. Baseplate of glued laminated wood 90x360
25. Steel fixtures
26. Concrete pile
27. Frost-proof concrete foundation shoe, 600x600x400

1. Base terrain
2. Steel fixtures
3. Oriented Strand Board 10mm
4. Joist of laminated wood, glued, 70x267
5. Baseplate of glued laminated wood, 360x90
6. Sheet of chipboard, lacquered
7. CP pine 10 mm
8. Rockwool + vapor barrier
9. Riser of Norway Pine 38x125
10. Oriented Strand Board 10 mm
11. Waterproof drip
12. Vertical counterlathing
13. Horizontal lathing
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15. CP pine 10mm
16. Carpentry: pine (scorched exterior finish, varnished interior)
17. Sub floor boarding CP pine 22 mm
18. Double glazing 4/12/6
19. Cladding of glued plywood
20. Joist 38x225 mm
21. Folded zinc sheeting
22. Alternate assembly of the roof-shingles along the edge



Detail of the windows facing north



