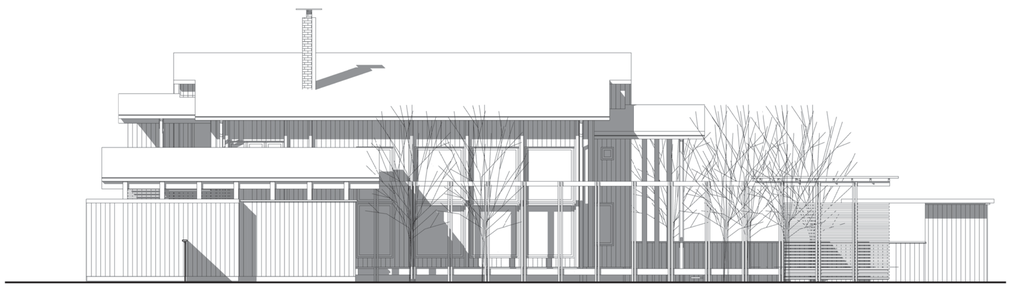
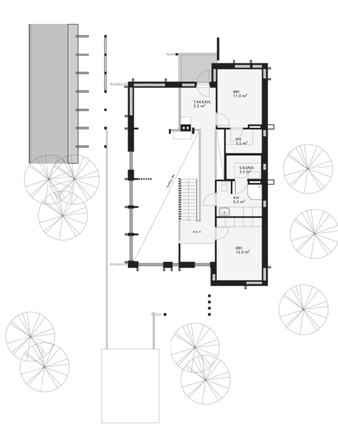
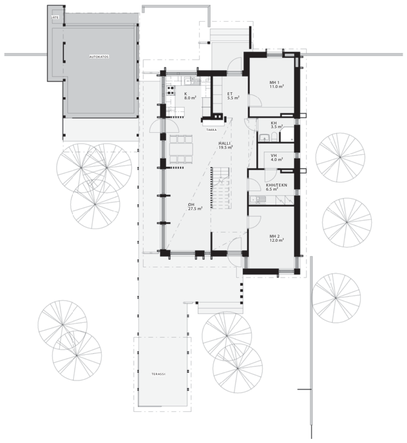
P1. PIENTALO

P1



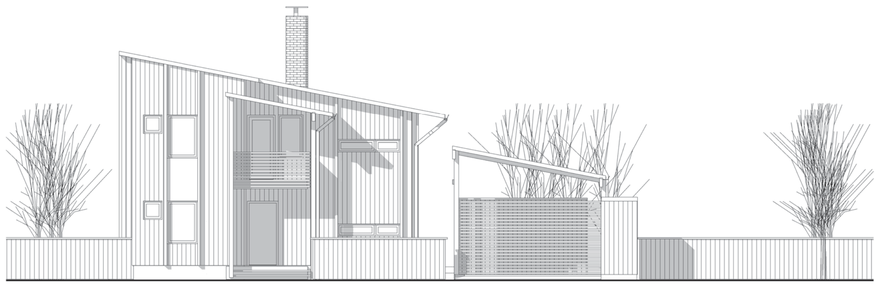
JULKISIVU 1:100





SIJOITUSESIMERKKI 1:250

JULKISIVU PIHALLE 1:100



JULKISIVU KADULLE 1:100

KATUNÄKYMÄ

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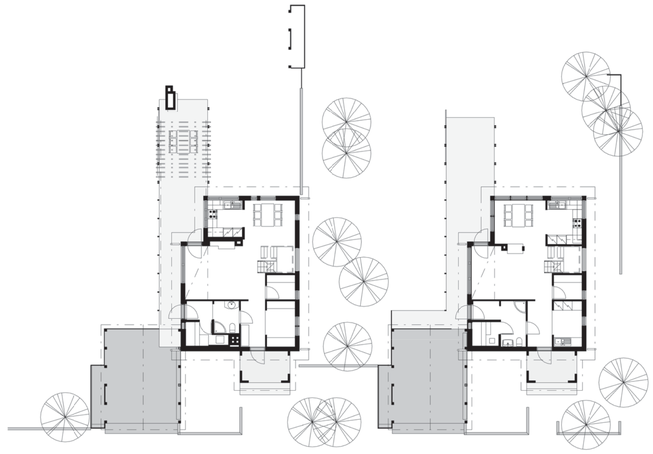
1:100 0 5 10

P2. PIENTALO

P2

JULKISIVU KADULLE 1:100

JULKISIVU PIHALLE 1:100



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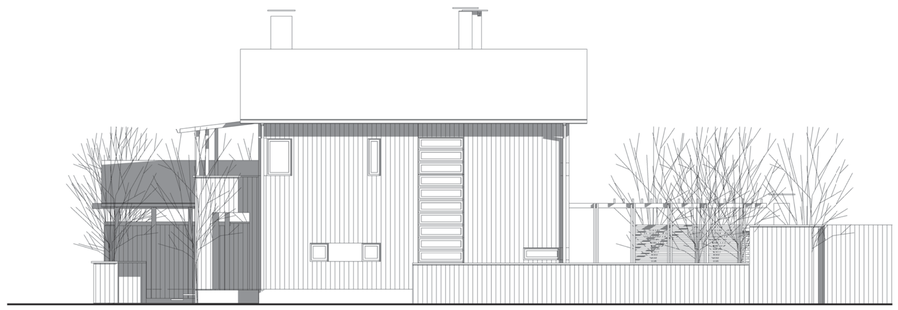

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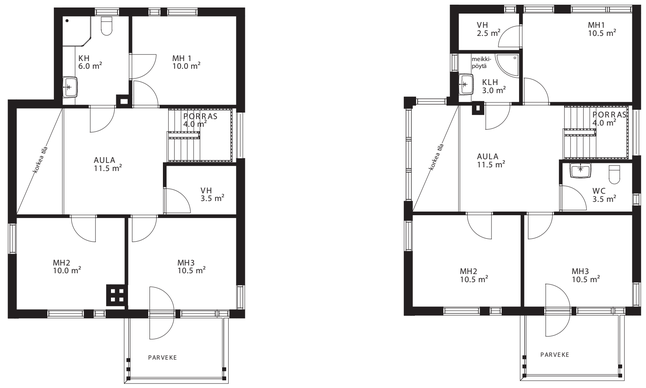

POHJAPIIRROS 2. KRS

POHJAPIIRROS 1. KRS

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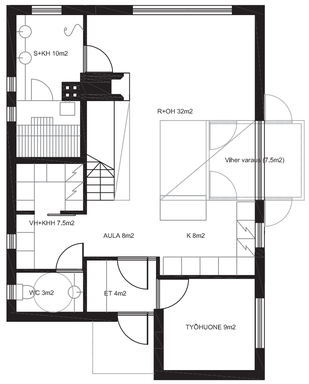
1:100 0 5 10

P3. PIENTALO

P3



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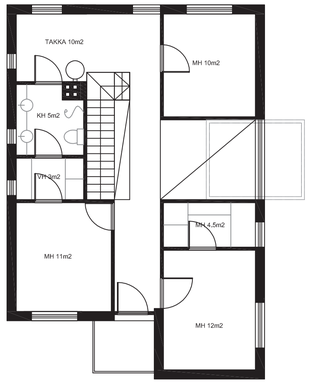

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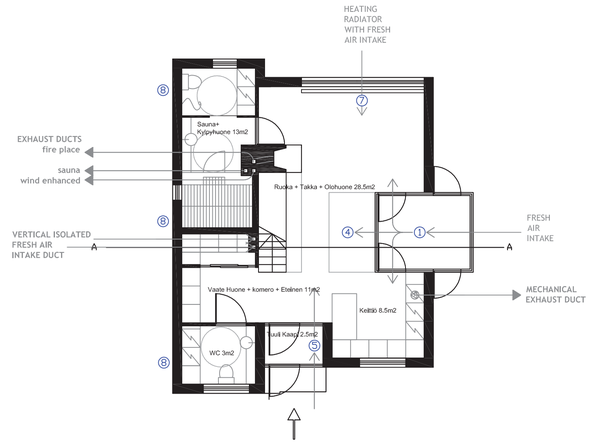
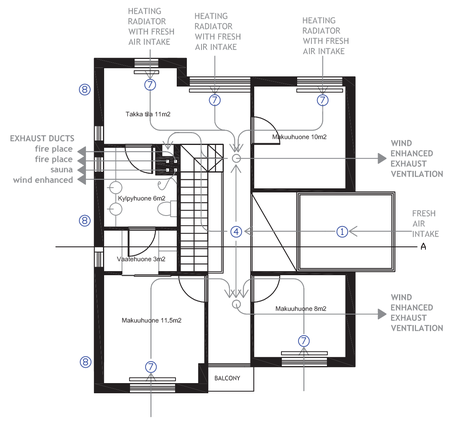
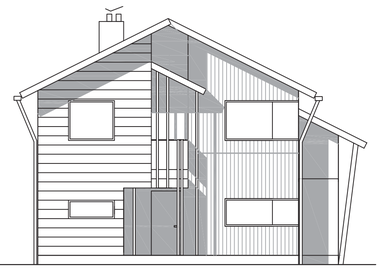




LUONNOLLISEN ILMKANVAIHDON TOIMINTAKAAVIO, POHJAPIIRROKSET 1:100

JULKISIVU PIHALLE 1:100



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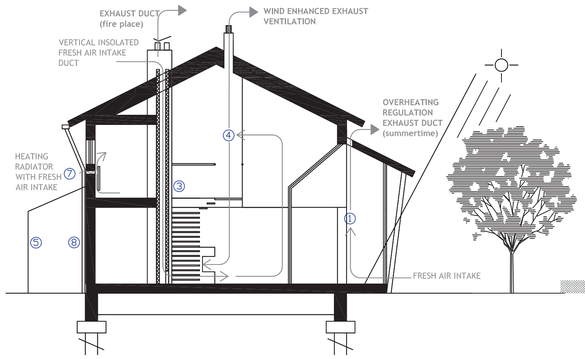
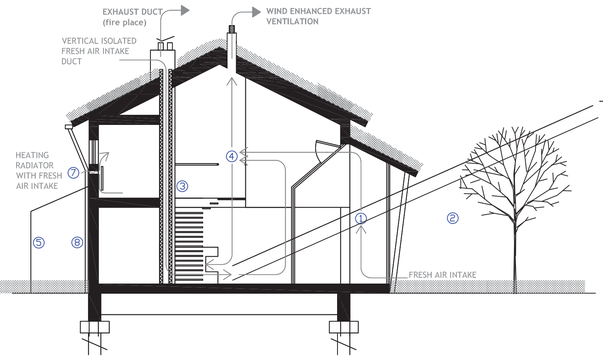
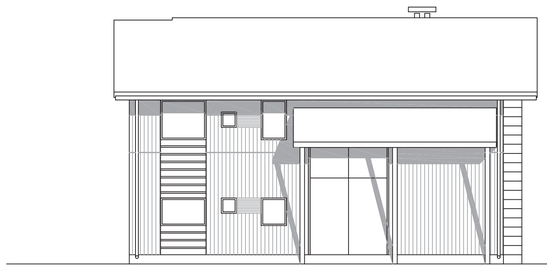
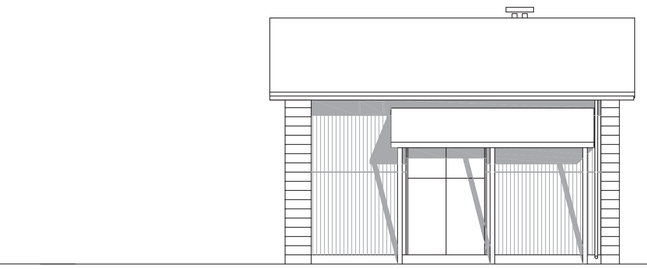




LUONNOLLISEN ILMANVAIHDON TOIMINTAKAAVIO, LEIKKAUKSET 1:100





JULKISIVU 1:100

1) GREEN HOUSE
-solar preheated air from the veranda
-centralization of the light income
2) LEAF TREE
-shelter to the veranda in summer,
-outdoor themal airflow caused by shadows and light,
-purification of the air,
-value the garden architecture and the use of fruit trees.
3) WARM HEART centralisation of the activities producing heat into a high density structure;
-collect warmth during the day, gives it back during the nights.
-combined with the veranda, recieve solar heat from the low angle sunrays in winter, stays in the cool shadows in summer.
4) DOUBLE HIGHT CENTRAL SPACE combined with the warm hart
-provide good air circulation between the storeys.
-creates natural indoor airflow
-centralize the air outlets into the main space.
-provide the most warmth into the activity room; the air has been preheated through the sleeping spaces and veranda.
5) BUFFER ZONE formed by unheated structures; ex; balcony preheat the air income.
6) SERVING ZONE; the serving spaces are centralized
-minimal loss of warmth through the pipes with grouping them
-minimal use of mechanical ventilation with using only one fan in the kitchen (optional one in the bathroom)
7) WINDOWS with radiators preheating the incoming air
8) EXTREMLY TIGHT WALLS on the north with minimal openings.
9) TIGHT WALLS
10) GENERAL PLANNING which facilitates the air flows.
11) SMALL SCALE BUILDING keeps the wind above the roofs

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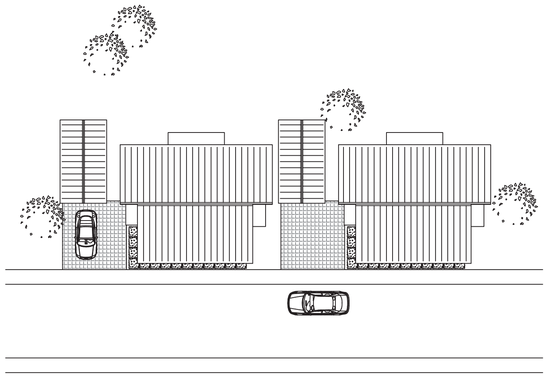
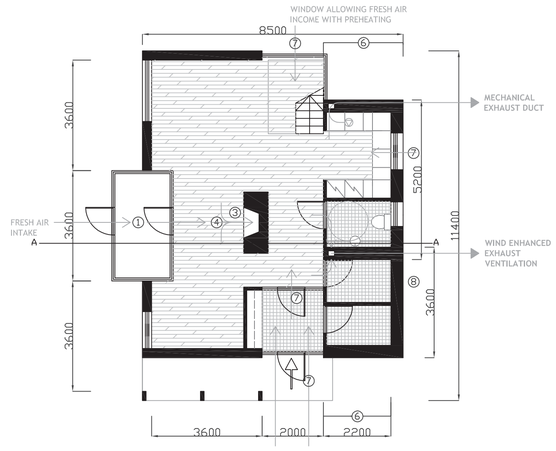
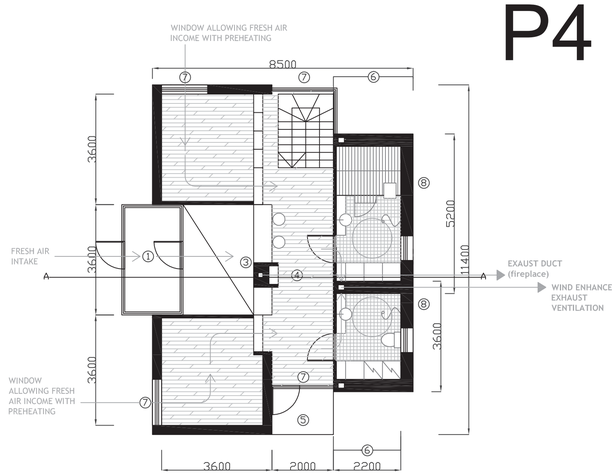
1:100 0 5 10

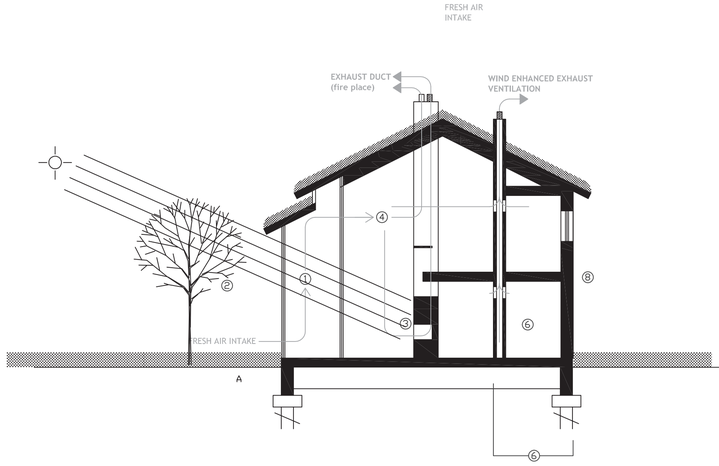
P4. PIENTALO

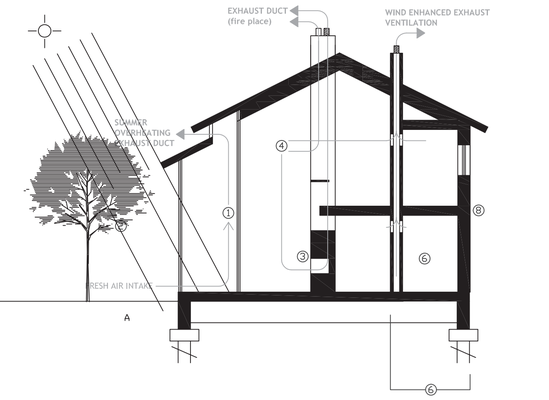
P4











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9) GENERAL PLANNING which facilitates the air flows.
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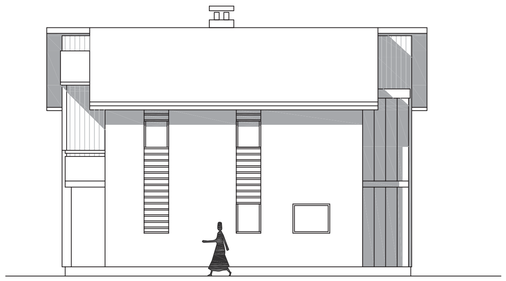

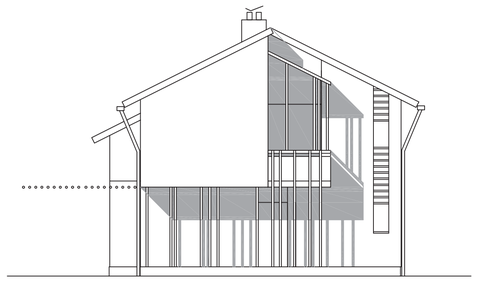

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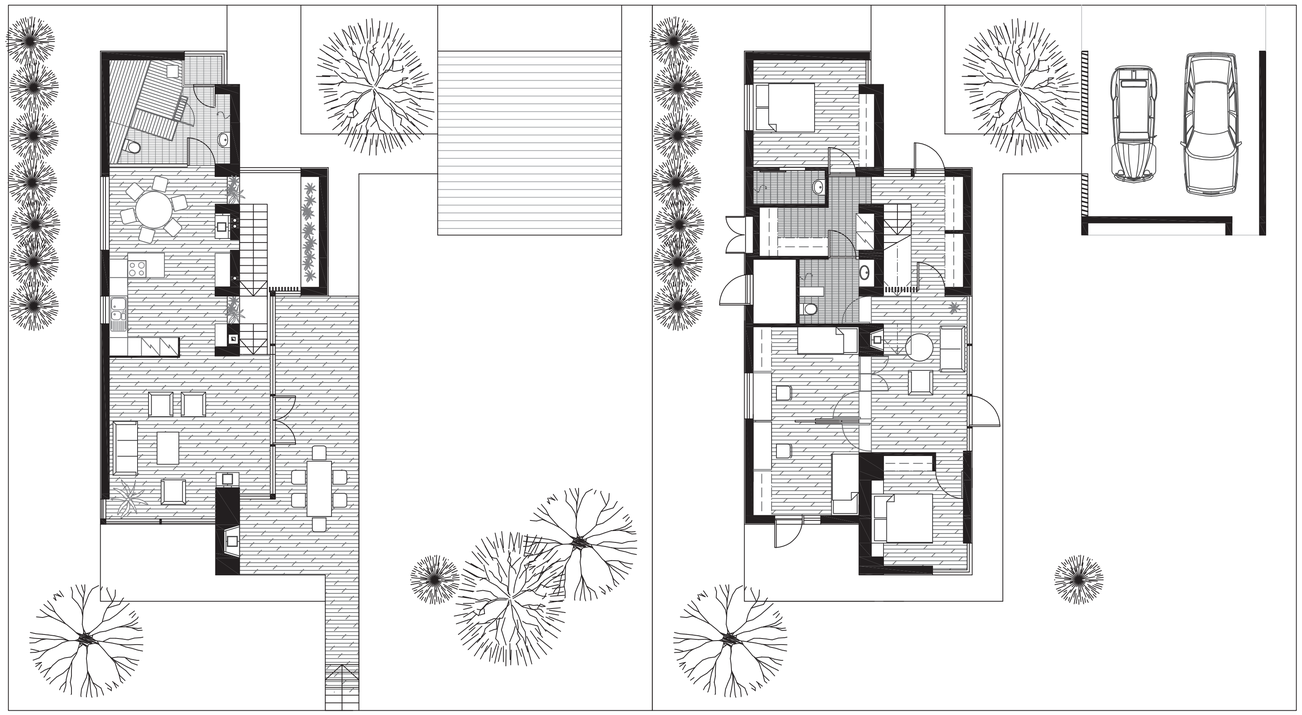
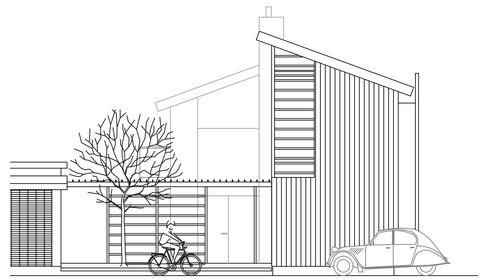
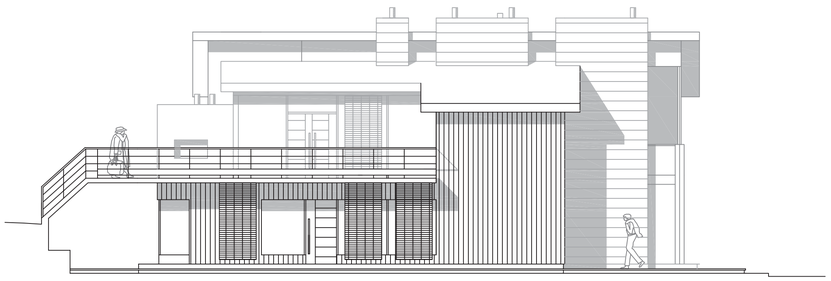
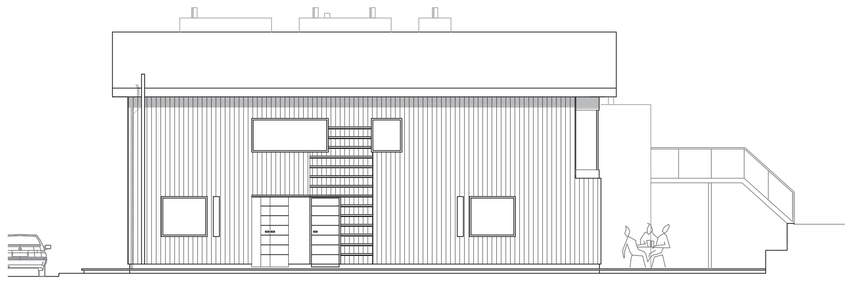
P5. PIENTALO

P5









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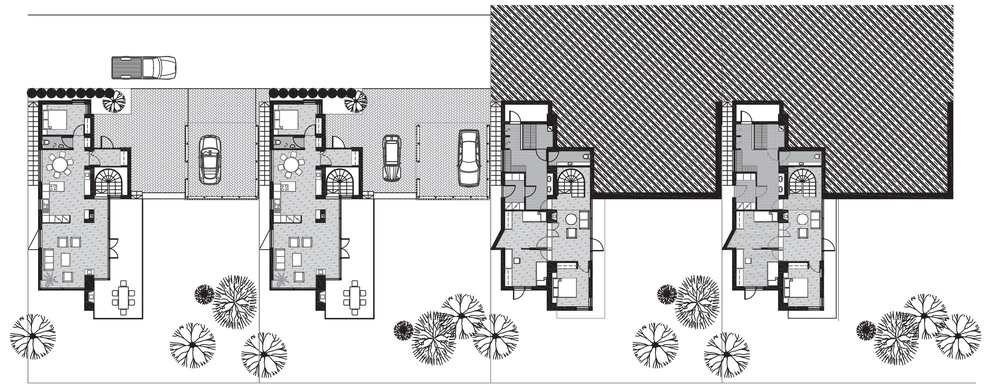
1:100 0 5 10

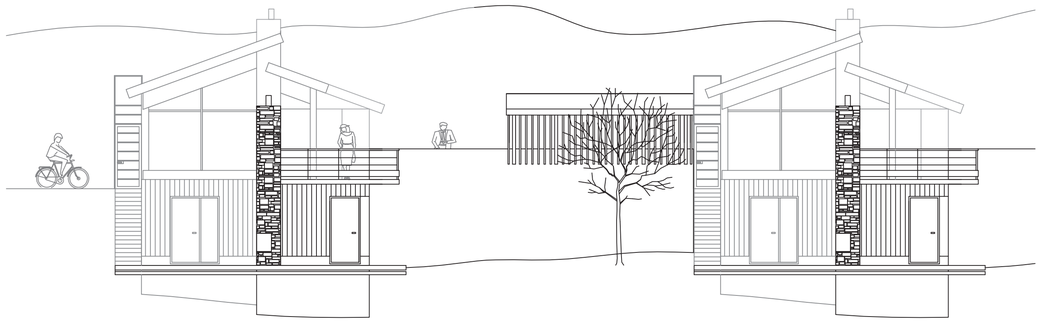
P6. PIENTALO

P6

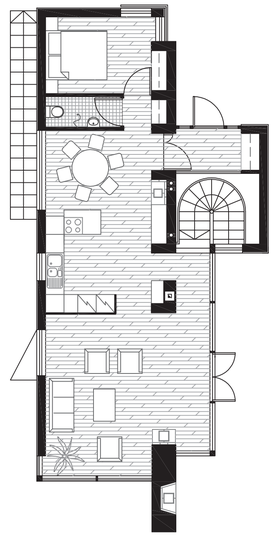
JULKISIVU KADULLE 1:100

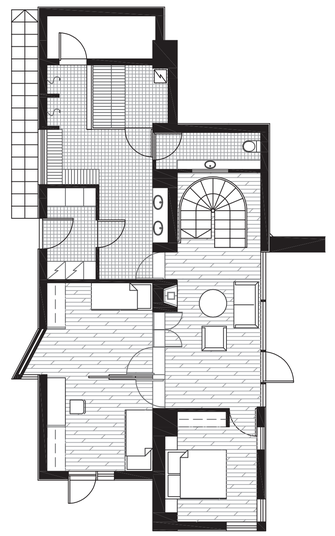


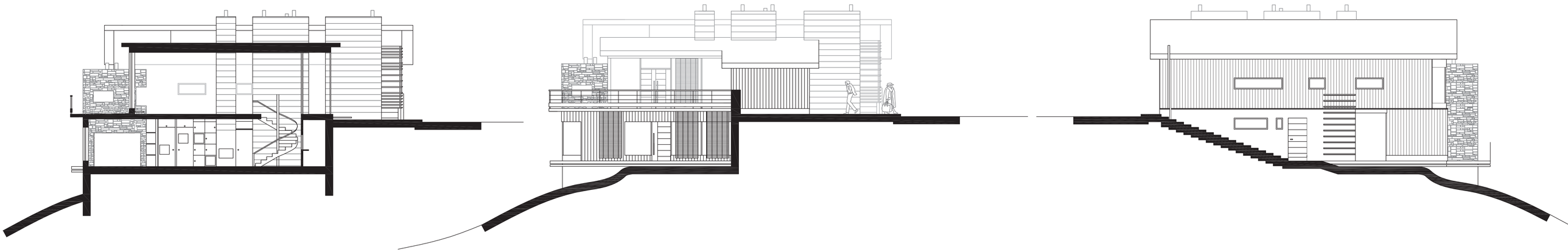
TONTTIKAAVIO 1:250



JULKISIVU RINTEESEEN 1:100







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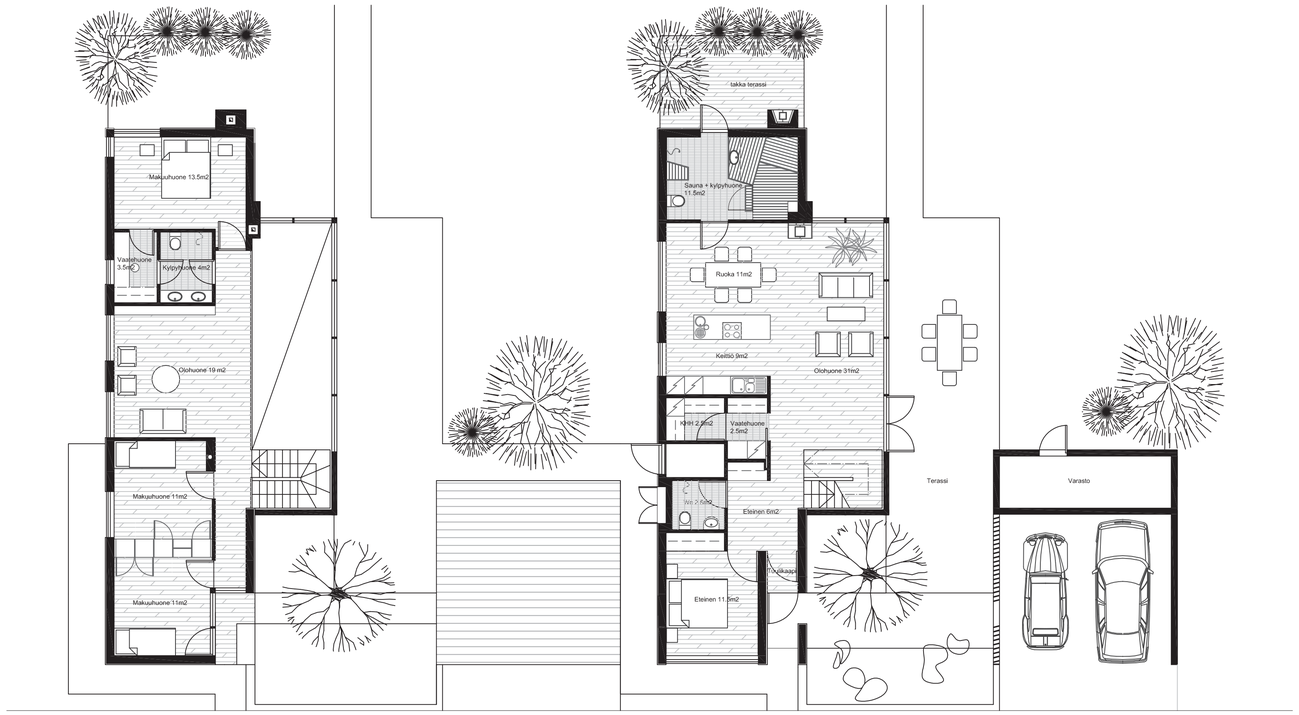
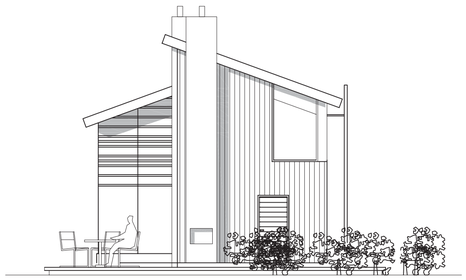
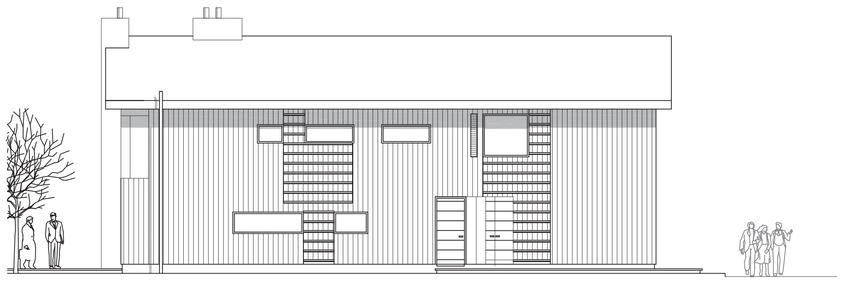
1:100 0 5 10

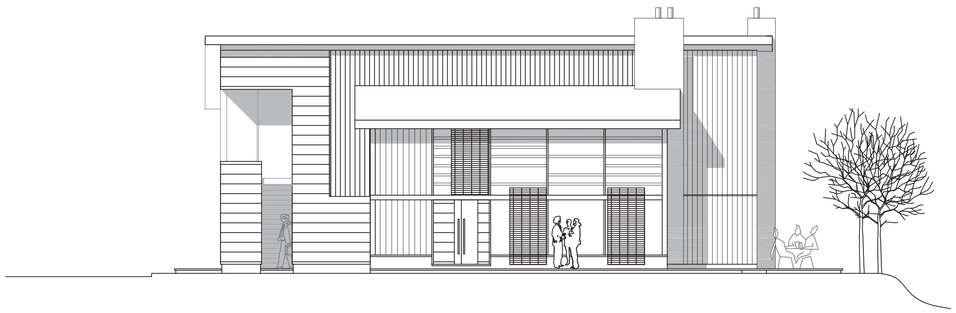
P7. PIENTALO

P7









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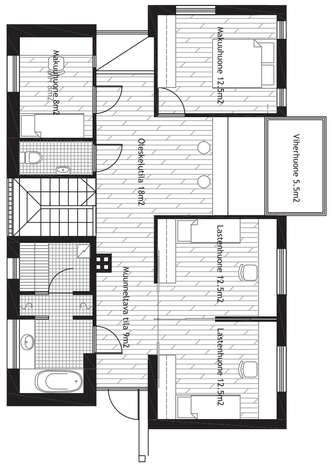
1:100 0 5 10

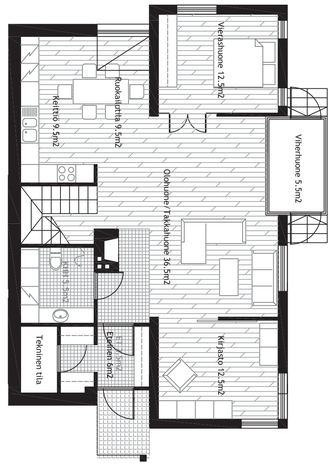
P10. PIENTALO

P10

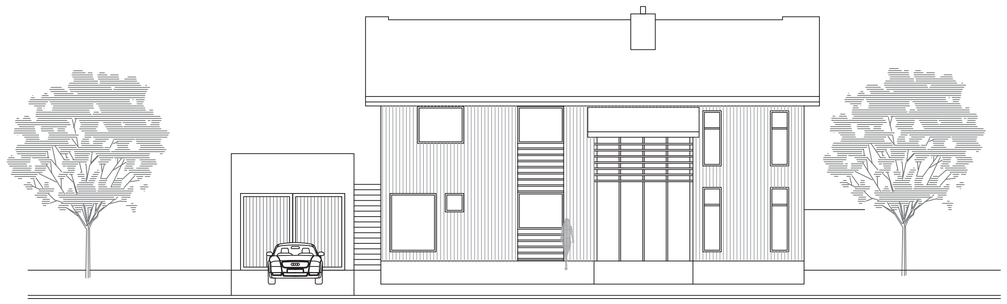
YLÄRINNE VERSIO



2. KRS



POHJAKERRROS



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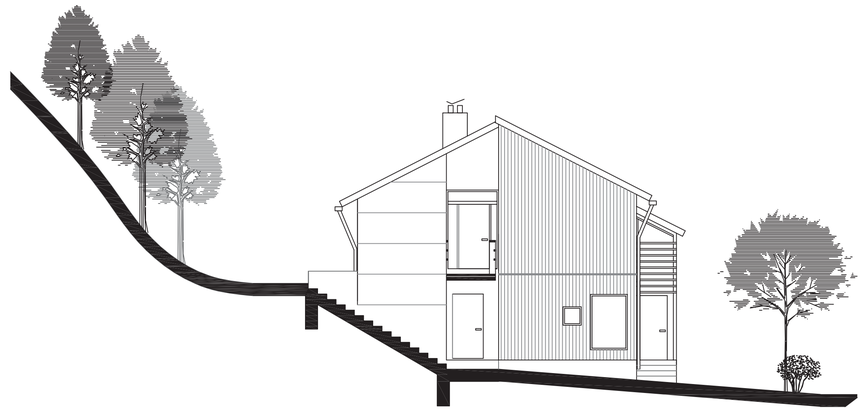
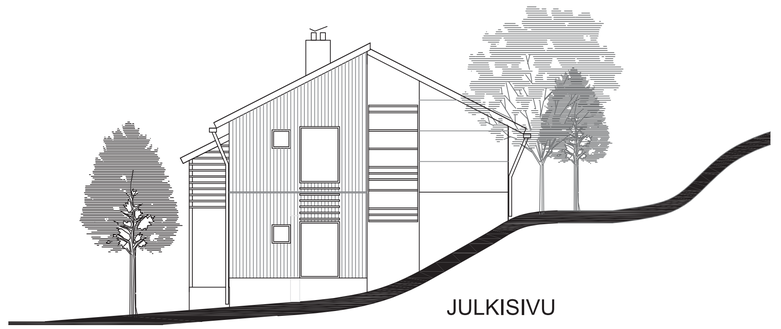


JULKISIVU



JULKISIVU

1:100 0 5 10

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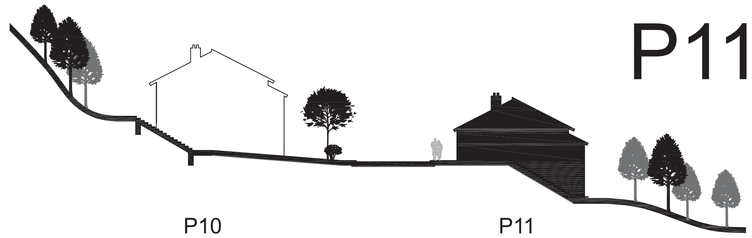
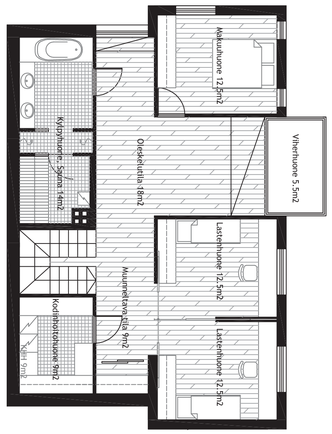
P11. PIENTALO

P11

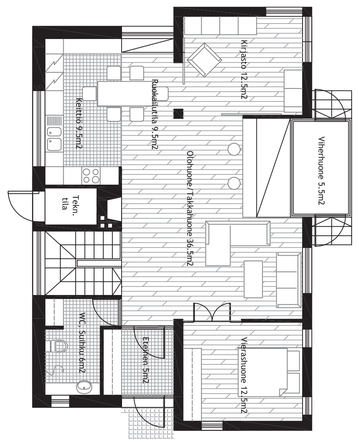


P10 P11

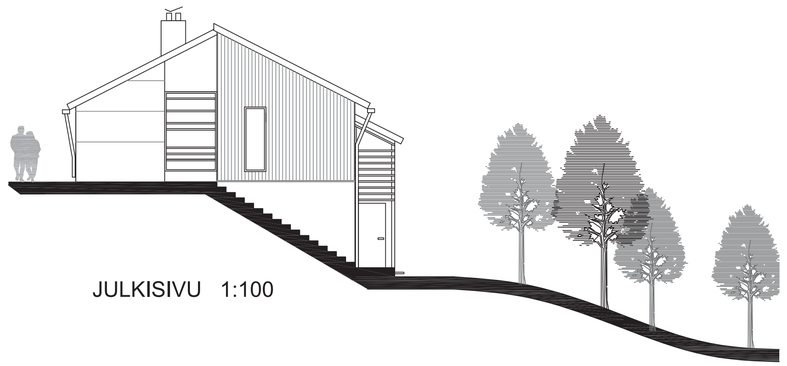
ALARINNE VERSIO



1. KRS RINNEKERROS 1:100



2. KRS KATUTASO 1:100



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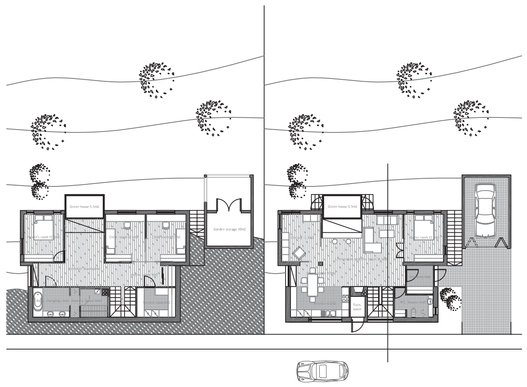

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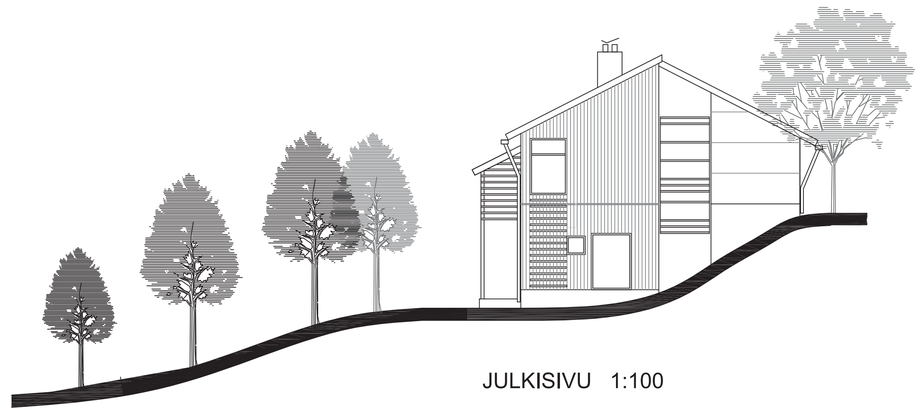

JULKISIVU 1:100

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1:100 0 5 10