nul-energiehuis/
passiefhuis

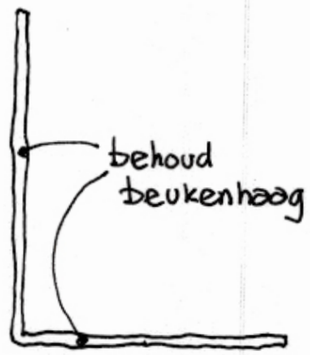
BAUDOIN • VAN ALPHEN architecten - interieurarchitecten
november 2010

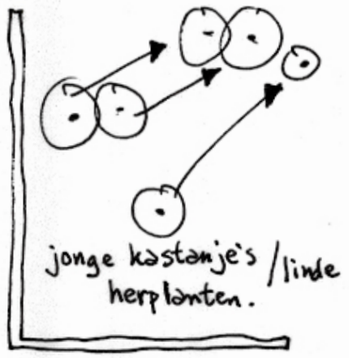
Ecologische maatregelen

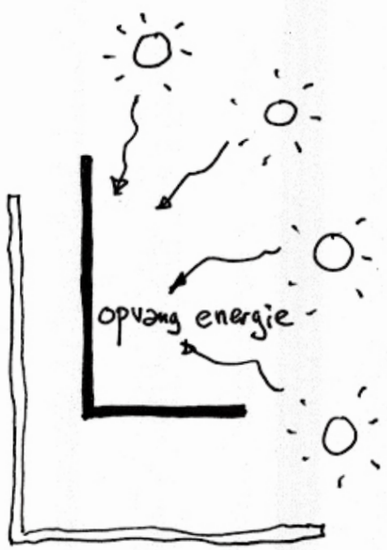
- isolatie, Rc-waarden minimaal 6, houtvezelisolatie
- 20% puingranulaat in het beton
- opvangen en hergebruiken van regenwater
- houtskeletbouw
- droogbouw
- dampopen met extra luchtdichting
- daglichttoetreding op zuiden met horizontale zonweringsscreens
- drielaags glas
- vloerverwarming met Lage Temperatuur Verwarming
- zonnecollectoren warmwater
- zonnecollectoren pv
- EPDM dakbedekking en dakranden, vegetatiedak
- polypropeen riolering (dus geen pvc)
- isolatie leidingwerk
- open terrasbestrating
- voorkomen bouwmetalen (lood, zink, aluminium)
- volledige natuurlijke ventilatie

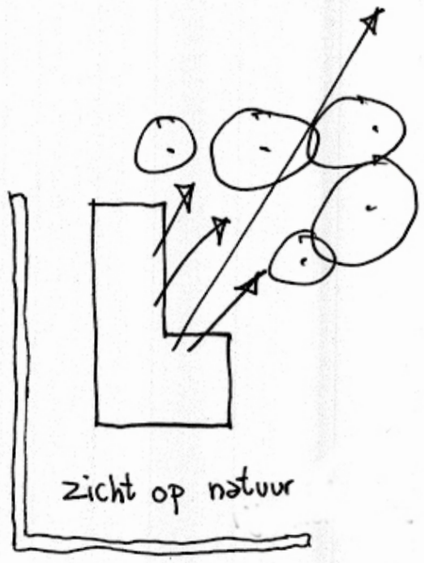
Analyse

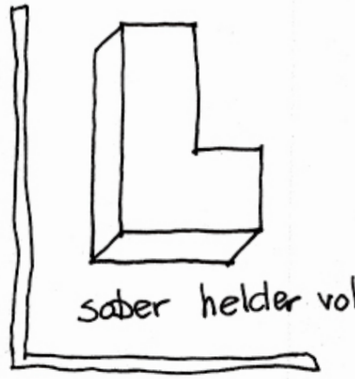
locatie specifiek



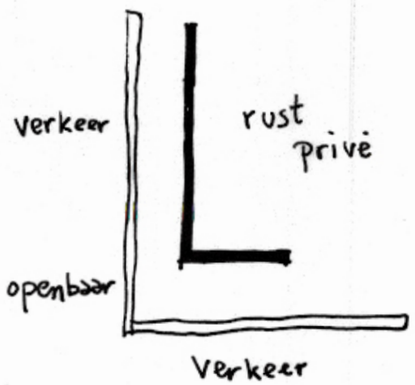


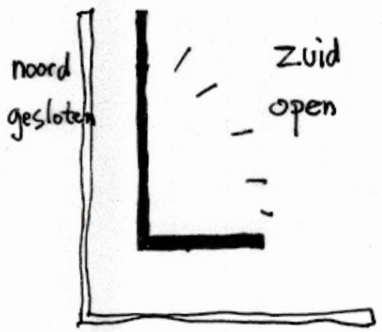




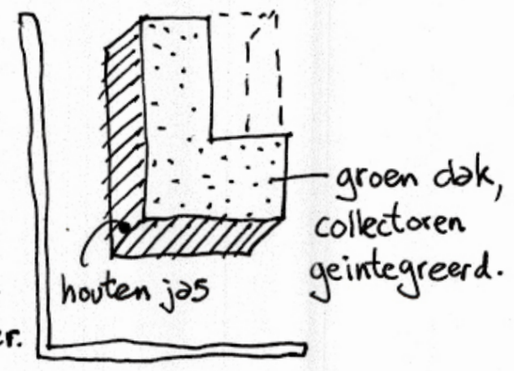


Zc 6,5 - 10

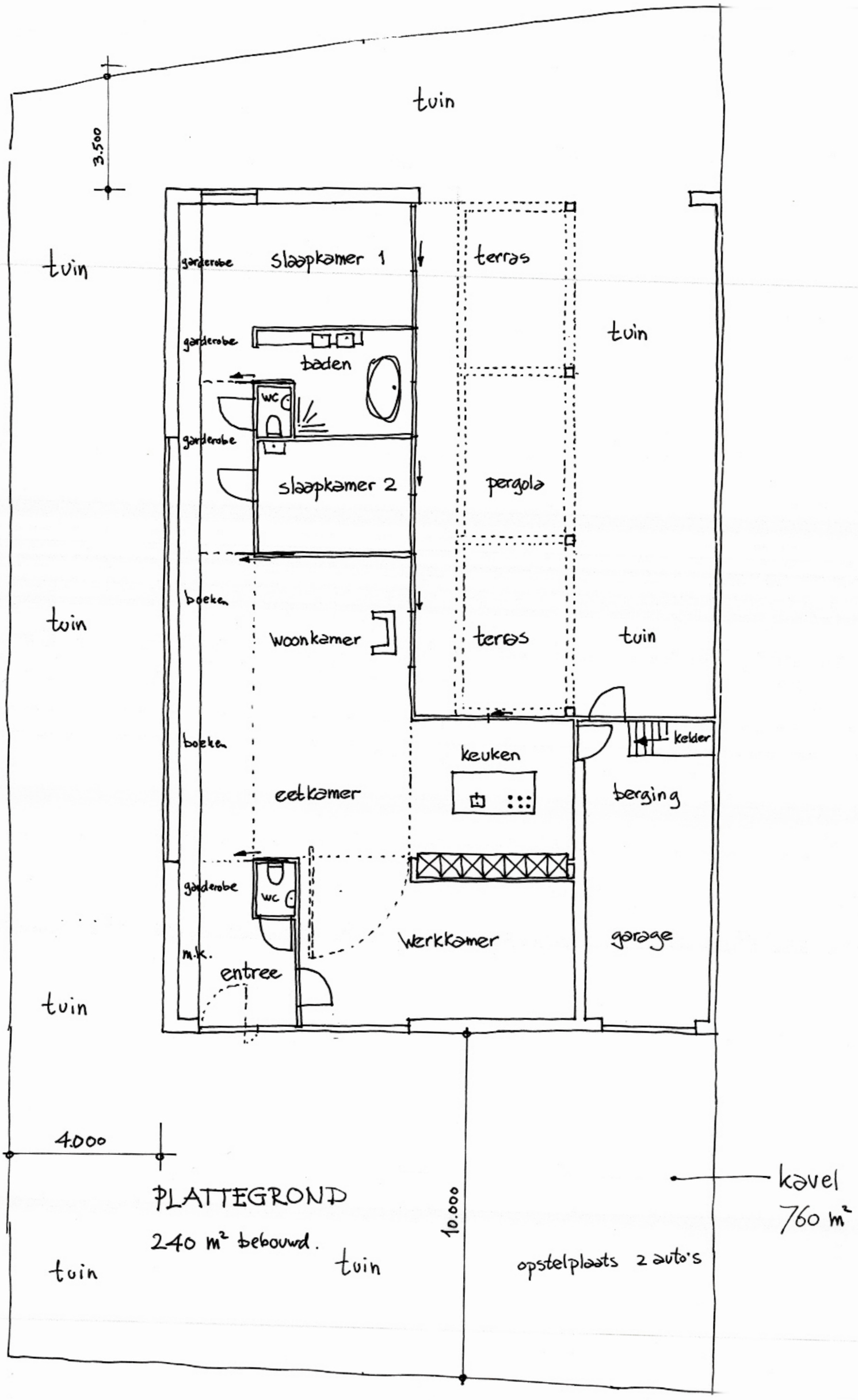


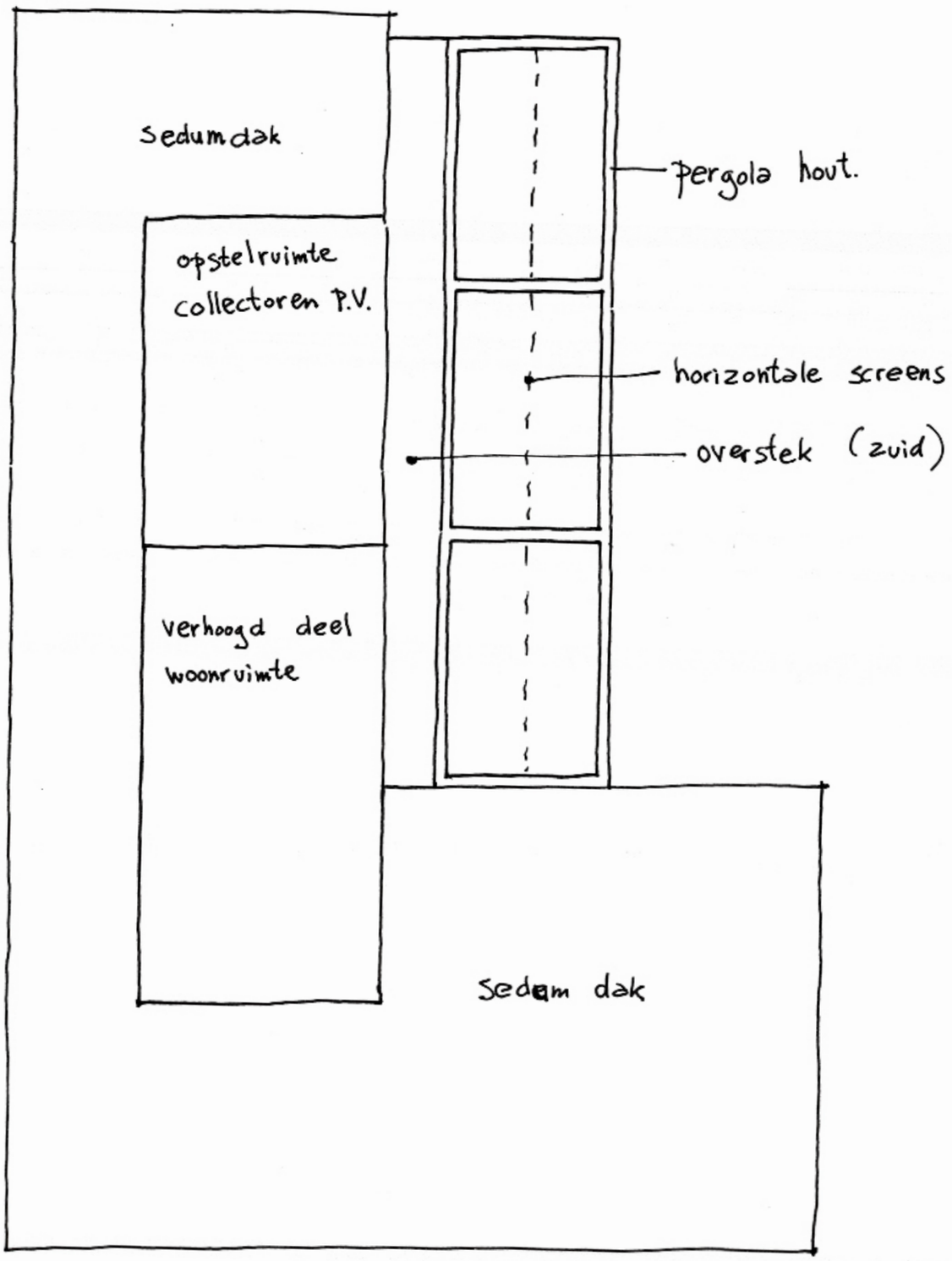




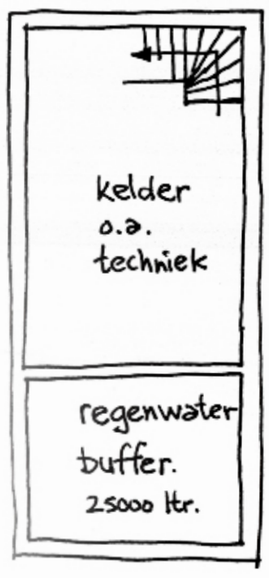


Ontwerp / plattegronden

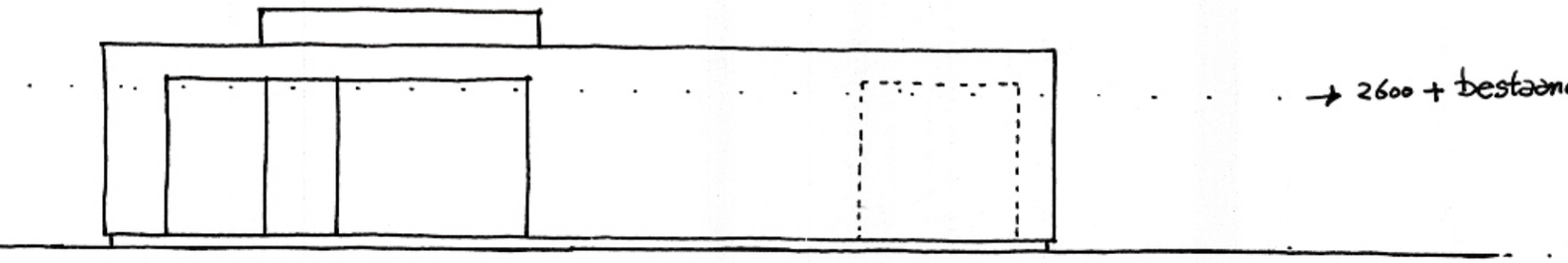

tuin
3.500
tuin
garderobe
slaapkamer 1
terras
garderobe
baden
wc
tuin
garderobe
slaapkamer 2
pergola
boeken
tuin
woonkamer
terras
tuin
boeken
keuken
kelder
eetkamer
berging
garderobe
wc
werkkamer
garage
m.k.
entree
tuin
4.000
PLATTEGROND
240 m² bebouwd.
10.000
kavel
760 m²
tuin
tuin
opstelplaats 2 auto's


sedumdak
opstelruimte
collectoren P.V.
verhoogd deel
woonruimte
pergola hout.
horizontale screens
overstek (zuid)
sedum dak

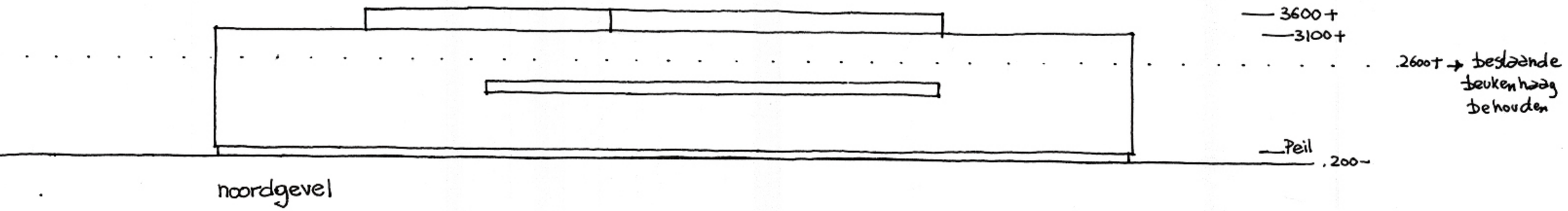
DAK.


kelder
o.a.
techniek
regenwater
buffer.
25000 ltr.

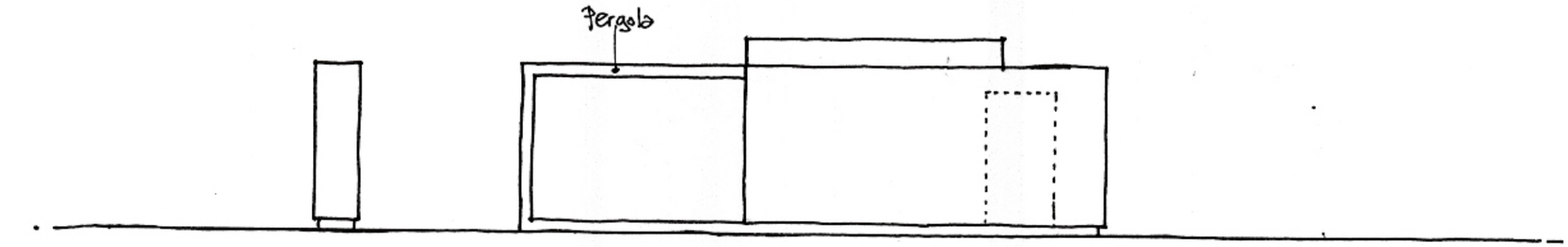
Ontwerp / aanzichten en doorsnedes



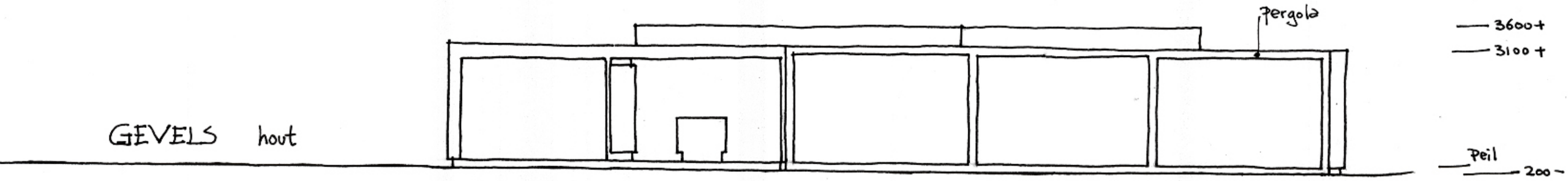
westgevel



noordgevel



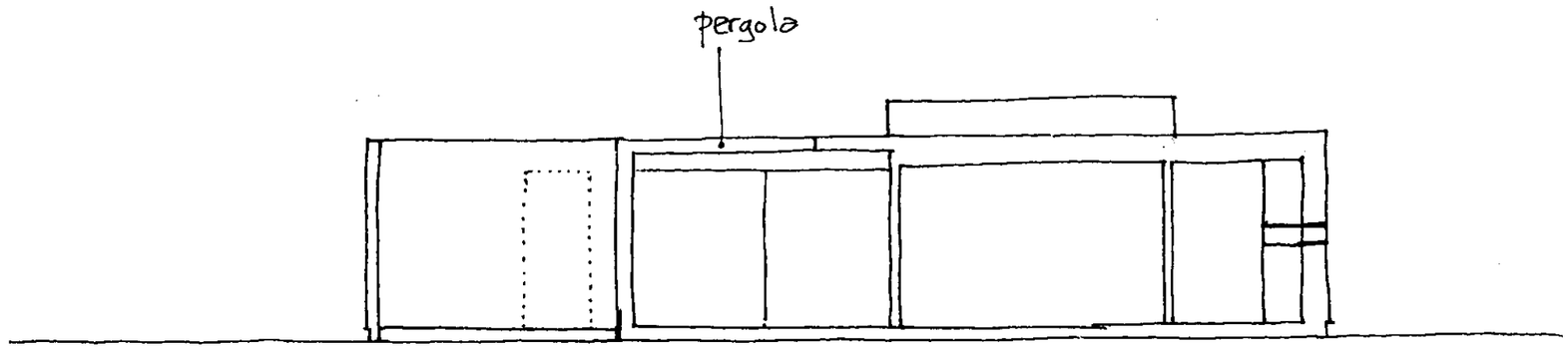
oostgevel



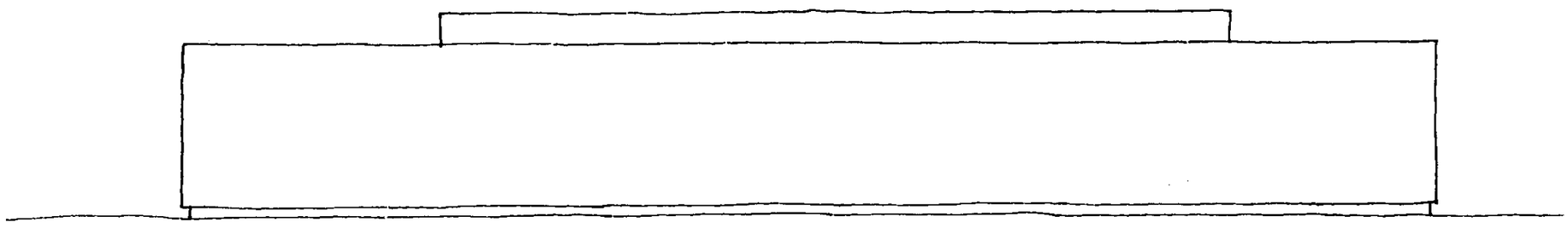
GEVELS hout

langsdoorsnede

*aanzicht tuingevel - zuid



dwarsdoorsnede



zuidgevel

Referentiebeelden







