a new craft school for amsterdam noord

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graduation project
faculty of architecture
interiors, buildings and cities
this presentation

assignment

context

ideas & concept

design
craft school (vmbo)

furniture making
- machine hall
- workshops
- drawing room

horticulture
- greenhouse

cooking
- restaurant
- kitchens

communal
- aula
- cafeteria
- library
- classrooms
- gymnastics hall
craft school in amsterdam noord

public programme
supermarket
cinema
restaurant

exterior spaces
schoolyard
bike storage
parking
amsterdam noord

mosveld
amsterdam noord

bloemenbuurt

van der pekbuurt
amsterdam noord

florapark
amsterdam noord

van hasseltkanaal/
vanc hasseltweg
residential neighbourhoods  park  emptiness
activities

market

football (1957)

nuisance
elements

market square

elevated road

underpass
an engaging school, intertwined with the neighbourhood and anchored on the site

typical school

open up

schoolyard as representative element
concept  typological hybrid

+ open and engaging
- undefined in between spaces

+ idea of clearly defined courtyards
- no relation neighbourhood

addition of campus and cloister
typological hybrid
concept: courts and connections

series of squares and courts

school as connecting element
concept a dynamic image
series of squares and courts  decreasing publicness
mosveld representative face to the market square
waterside quiet back yard for furniture department
van hasseltweg series of volumes aligns the road
wingerdweg  open schoolyard towards residential neighbourhood
underpass generous connection between neighbourhoods and park
schoolyard  continuation of wingerdweg
main entrance, aula and school cafeteria
entrance greenhouse and restaurant
appropriation  schoolchildren and neighbours
schoolyard from the neighbouring houses
image

a name

a sense of scale

extraordinarily common
the front as a statement
the back of the statement
a common element
façade
canvassing  local initiative *natuur in noord*
canvas  kurt wenner on the sidewalk
the pleasure of the common - with a twist
spatial concept

traditional scheme
- corridor with classrooms

transformation 1
- practical rooms as part of hallway

transformation 2
- folding around large spaces

classrooms
practical and communal rooms together form the route
entrance hall and aula
route along schoolyard with practical rooms
restaurant with greenhouse and street
in situ concrete walls, columns, beams

d-dalle flooring system

in situ concrete walls, columns, beams

opportune flooring system
view into practical room
section over practical room and classrooms

classroom

practical room

instruction room

greenhouse

HR++ glass glued in steel profiles

5mm red carpet

35mm underfloor

40mm high density acoustic insulation

Dalle flooring system:

40-130mm concrete

timber elements 60*210mm, screwed together

40mm red rubber pavement tiles

on flexible metal stud system on vilt duct cavity

2*10mm vilt

150mm in situ concrete

air handling unit with heat recovery

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interiors, buildings and cities
cross section over practical room and greenhouse
view into practical room with teachers’ room
classroom with view into practical room
typical classroom interior
rooflight
gymnastics hall with view into greenhouse
50mm concrete pavement tiles
water repellant layer
100mm thermal insulation
vapour seal
sunscreen system
oak window frames
oiled oak window frame
HR++ glass
rubber covered column hull
with air holes

horizontal and vertical sections gymnastics hall
scale 1:20
gymnastics hall

grass, moss and flowers planting
approx. 50mm extensive single-course substrate
filter course/mat
25mm solid drainage
protective course
root-proof roof seal
50mm thermal insulation
vapour seal
15mm plywood
330mm opportune flooring system
in situ concrete beams
red rubber mats
hsb column hull
filled with high pressure air
holes blow this air along the facade
to counter draught

safety glass in oak window frames
40mm black rubber pavement tiles
on flexible metal stud system on vilt duct cavity
2*10mm vilt
150mm in situ concrete

oak floor, glossy
40mm underfloor
in situ concrete floor
100mm insulation

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graduation project
interiors, buildings and cities
gymnastics hall
dressing
staff
gymnastics hall - details
gymnastics hall with view into sports court
Gate can be stage for mosveld.

Aula, gate and entrance hall school open for public functions.
connections

bicycles and pedestrians

cars
façade

façade facing the varenweg with schoolyard

squares:
grey and coloured paving stones

streets:
light paving stones and plants

mosveld name

van hasseltweg green