P5 Presentation

The Architecture of the Interior MSc 3 Graduation Studio
The Place of Work

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Background

VROM building

a blocked place, a place out of connection
Background

Investigation of Foreign Affairs building

interview of civil servants
“just need to go outside.”
“just need to go outside.”

VROM building

“Crazy about to go outside!!!”
no nearby outside place for civil servants to stay...
Strategic of basic design

Gushing

Cut middle levels of original building, let inside pouring out.
office

bar? restaurant?exhibition?

VIP, conference center
Designing sequences of main spaces with a warm tone of warm.

Strategy 2
group office elevation 1:50

concrete finish floor 15mm
heating screed separating layer 65mm
mineral wool impact sound insulation 40mm
insulation 50mm
concrete reinforced floor (if it is possible)

group office elevation 2:50

concrete finish floor 15mm
heating screed separating layer 65mm
mineral wool impact sound insulation 40mm
insulation 50mm
concrete reinforced floor (if it is possible)
Technical Support

Structure Design
Technical Support

Climate Design
Heat exchanger
Main entrance of fresh air. Cooling air before get into building. using exhausted air to heat water and store heat underground.

Heat storage
Store heat from waste heat of exhausted air.

Cooling storage
Store cooling from solar panels and using cool water to supply them as floor cooling.

Double facade
At west side, double facade is used for block heat outside.

Winter
fresh air Cooling System
exhausted air Heating System

Double facade
At west side, double facade is used for block heat inside.

Heat exchanger
Main entrance of fresh air. Heating air before get into building. using exhausted air to cool water and store cooling underground.

Heat storage
Store cooling from solar panels and using heat water to supply them as floor heating.
Thank You