GREEN PORTAL OF EMPIRE VILLAGE

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Complex Projects
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Building Technology tutor: Gilbert Koskamp
1:10 ROOF DETAIL

Wooden pavement: 100 mm maple wood
200 mm concrete floor
600/300 mm I-beam
laser board ceiling

1:10 JOINT DETAIL

Bolted joint
Load-bearing structure
I-beam (600 x 300mm)
void mesh: steel tube (Φ 420/25mm)
ring beam: 300mm

25mm steel plate
Φ 420/25mm steel tube
20 mm steel plate
400/400/50 mm steel plate

INSIDE - VOID STRUCTURE
Building structure
Curtain wall with glazing (Partially openable)
Electronically controlled pneumatic arm
Horizontal fin supports
Perforated aluminum vertical louvers (450mm)

1: 10 ALUMINUM LUVER DETAILS

1: 5 EAVE DETAIL
Concrete with sloping floor
Leveling layer
Protective layer
PVC waterproofing
ROOFMATE SL
Geotextile filter layer
Soil base
Slab surface
Thermal insulation material
Geotextile
Grills - drainage layer
Lining
Roofmate
Wooden washer
Overlap

1: 10 Curtain wall foundation

OUTSIDE - FACADE STRUCTURE