**TOPOLOGICAL OPTIMIZATION**

**Fragment of structure**
Picking representational element of the structure: a cantilevering slab

**Setting conditions**
Defining the loads, supports and boundary geometries

**Topological optimization**
Optimizing material layout within the given design space
Fragment of structure
Picking representational element of the structure: a cantilevering slab

Setting conditions
Defining the loads, supports and boundary geometries

Topological optimization
Optimizing material layout within the given design space
VERTICAL CONNECTION FLOOR FACADE 1:5

Concrete floorslab 320mm
Corner profile
Reinforcement concrete
Frame insulation
Isokorf insulation 120mm
Vapor-permeable and waterproof layer
Lowered ceiling outside 12mm
Facade profile 170*50mm
Lowered ceiling inside 12mm
Shell for planting
Corner profile
Concrete floorslab 320mm
Reinforcement concrete
Frame insulation
Isokorf insulation 120mm
Vapor-permeable and waterproof layer
Ventilation inlet 40mm diameter
Stone floor element 12mm
Raiser
Electrochromic double glazing HR++
Seal
Soil 60mm
Soil 60mm
Seal
Electrochromic double glazing HR++
Raiser
Stone floor element 12mm
Reinforcement concrete
Frame insulation
Isokorf insulation 120mm
Vapor-permeable and waterproof layer
Lowered ceiling inside 12mm
Facade profile 170*50mm
Lowered ceiling outside 12mm
Shell for planting
Corner profile
Concrete floorslab 320mm
Reinforcement concrete
Frame insulation
Isokorf insulation 120mm
Vapor-permeable and waterproof layer