United Nations Environmental Council
A new face for the UN organisation – Graduation presentation, 19 April 2013

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The United Nations Environmental Program is an international institution that coordinates United Nations environmental activities, assisting developing countries in implementing environmentally sound policies and practices.
United nations organisation of metereologic research

United nation Scientific governamental body researching the impact and risk of worldwide climate change

International fund for the support of national sustainable development initiatives

Consortium in checking on effectiveness of UN development on a country level
MANHATTAN: GRID
NORTH SOUTH CONNECTION ALONG UN TERRAIN
2nd AVENUE, BUSY & UNDEFINED
1. EASTERN RIVER NOT ACCESSIBLE ON FOOT
MASTERPLAN
FDR DRIVE PLACED UNDERGROUND
UN TERRAIN GETS A NEW REPRESENTATIVE FRONT
1. international law,
2. international security
3. economic development
4. social progress
5. human rights
6. achievement of world peace.

20th century
1. international law,
2. international security
3. economic development
4. social progress
5. human rights
6. achievement of world peace.

7. Environmental development:
   Solving waste and energy problem,
   securing biodiversity

20th century

21st century
Index

CONCEPT
SHAPING
UNDERGROUND SPACES
CONSTRUCTION
BUILDING ENVELOPE – CLIMATE CONCEPT
IMPRESSION
CONCEPT - PODIUM
CONCEPT - COUNTERWEIGHT
CONCEPT - ENDPiece VN PLAZA
CONCEPT – CONNECTION UNEC + GENERAL ASSEMBLY
ACCESSIBILITY NEW VOLUME
ENTRANCES VN COMPLEX
Concept - Ingang
Door de muur
CONCEPT - MANHATTAN BACKDROP
GELEDING
CONCEPT - STEPPED FORM
CONCEPT - STEPPED SIDE FLANKS
CONCEPT - FIBONACCI SEQUENCE
CONCEPT – SLABS
GRAND SPACES = ARTIFICIAL LIGHTING

SMALL SPACES = DAYLIGHT & VIEW
ONDERGRONDSE RUIMTEN
GROUND AS ISOLATOR

-10  
15  

21  

30  
15  

-10  
15  

21  

30  
15  

21
INTERACTION BETWEEN DIFFERENT GROUPS – DISCUSSION STIMULATING SPACES
GRANDNESS SPACES MAKES OVERVIEW THROUGH BUILDING
DELEGATES LEVEL:
LOBBY
AUDITORIA
COUNCIL CHAMBERS
DELEGATES LOUNGE
RESTAURANT

DELEGATES
PUBLIC LEVEL

PUBLIC LEVEL:
AUDITORIA
BIBLIOTHEEK
COUNCIL CHAMBER
EXPOSITIE RUIMTE
INGANGSHAL
NORTHSIDE SLABS – EMPLOYEE ENTRANCE
ORGANISATION SLABS
CORRIDORS PUT IN MAIN SLABS
ORGANISATIE & LOGISTIEK

1.

2.

3.

ATRIUM VOOR VIEWS
ORGANISATIE & LOGISTIEK

1.

2.

3.

GATHERING SPACES
2 SIDE CORRIDORS + 1 GATHERING SPACE
LOWER OFFICE LEVEL
VIEW TO MAIN ENTRANCE HALL
UPPER OFFICE LEVEL - LIGHT THROUGH ROOF
CONSTRUCTIE
CONSTRUCTION PUBLIC + DELEGATES LEVEL
SECTION MAIN HALL
MAIN ENTRANCE HALL
ENVELOPE
MONOLITHIC VOLUME
CLIMATE CONCEPT – HEAT ACCUMULATION IN STRUCTURE
CLIMATE CONCEPT

VERWARMING WINTER:
OPGESLAGEN SEIZOENS WARMTE
IN OPSLAGTANK
COELING ZOMER:
KOELING VANUIT TEMPERATUUR
GROND: AQUIFER
RETARDED HEAT ACCUMULATION

21°C

65°C
RETARDED HEAT ACCUMULATION

21°C  30°C
CURTAIN WALL OFFICE BUILDINGS
MONOLITHIC APPEARANCE + GLASS EXTERIOR = SPECIAL CLADDDED BUILDING
CORNER IMPRESSION - DETAIL
8. 
- GLASS PANEL
  8mm, toughened with ceramic fritted layer
  - SG Beam 50x40
  - Steel plate for fixture
  - Welded on 5G Beam
  - Steel profile bolted on column

9. 
- Sandwich Corner Element:
  - Aluminium 2mm
  - Cornerpost 90 x 90mm
  - Horizontal steel
  - Strip welded on
  - SG Structure Beam
  - Perspex Armature
  - With light fixing
PARAPET – DETAIL A

1. GLASS PANEL
2. HEAT ABSORPTION LAYER WITH WATER TUBES
3. INSULATION 70 MM
4. OSB PANEL 18

2. PARAPET: ALUMINIUM SANDWICH: 2 MM ALUMINIUM 50 MM HARD INSULATION THERMAL CONNECTION ELEMENT FIXED TO STRUCTURAL GLAZING POST

3. GLASS PANEL, FRITTED GLASS VERTICAL LINES 5G POST 40 X 50 MM, WELDED STEEL PLATE BOLTED ON BOLTED STEEL ELEMENT

4. 70 MM REINFORCED CONCRETE SLAB WITH CONCRETE CORE ACTIVATION INSULATION 70 MM

5. STUCCO FINISH 12 MM PREFAB REINFORCED CONCRETE BEAM 200 MM FELT LAYER
6. SCREED 100 WITH FLOOR HEATING
   -OSB PANEL 18 MM
7. TRIPLE GLASS STRIP
   HORIZONTAL STEAL STRIP WELDED ON 5G STRUCTURE BEAM
   PERSPEX ARMATURE WITH LIGHT FIXING
FAÇADE AS TRANSLUCENT VEIL