Schematic re-design of the Van Gendthallen

1. Mixed use function in the city
2. Urban interior
3. Use of reclaimed materials

Climate zones
1. Outdoor climate
2. Semi outdoor climate
3. Indoor Climate

Lighting
1. Entering of daylight through sky lights & facade openings
2. Pathways along existing construction, leaving the middle exposistion spaces open for daylight
3. Raised floor in hall 5, for a direct view and connection with the outside
4. Artificial lighting placed underneath the pathway systems

Ventilation
1. Halls itself are naturally ventilated
2. The closed of functions are individually regulated; inlet and outlet shaft run under the patways and along the construction

Firesafety
1. The height of the halls delivers a larger smoke free area. Time for escaping increased to 60 seconds
2. The original roof hoods will be reinstated to help release smoke from the building
3. RWA system; smoke and heat extraction system
4. Sprinkler system installed underneath subfloors

Construction
1. New grid for subconstruction
2. Cantilever table construction
3. Stability by braced floorfields and at the rising cores

COMMERCIAL FUNCTIONS
A. Shop
B. Shop
C. Shop
D. Restaurant
E. Bar
F. Hotel
G. Information point

The area around 'D, E & F' is the '24h zone' has direct access to the street and can be closed off from the passage

DDD | Functions
A. Small Atelier [24m²]
B. Large Atelier [40m²]
C. 3D Printing Lab
D. Workshop / Machinery
E. Experience Lab

DDD | Exhibition Areas
I. Product Design
II. Furniture Design
III. Graphic Design
IV. Architecture