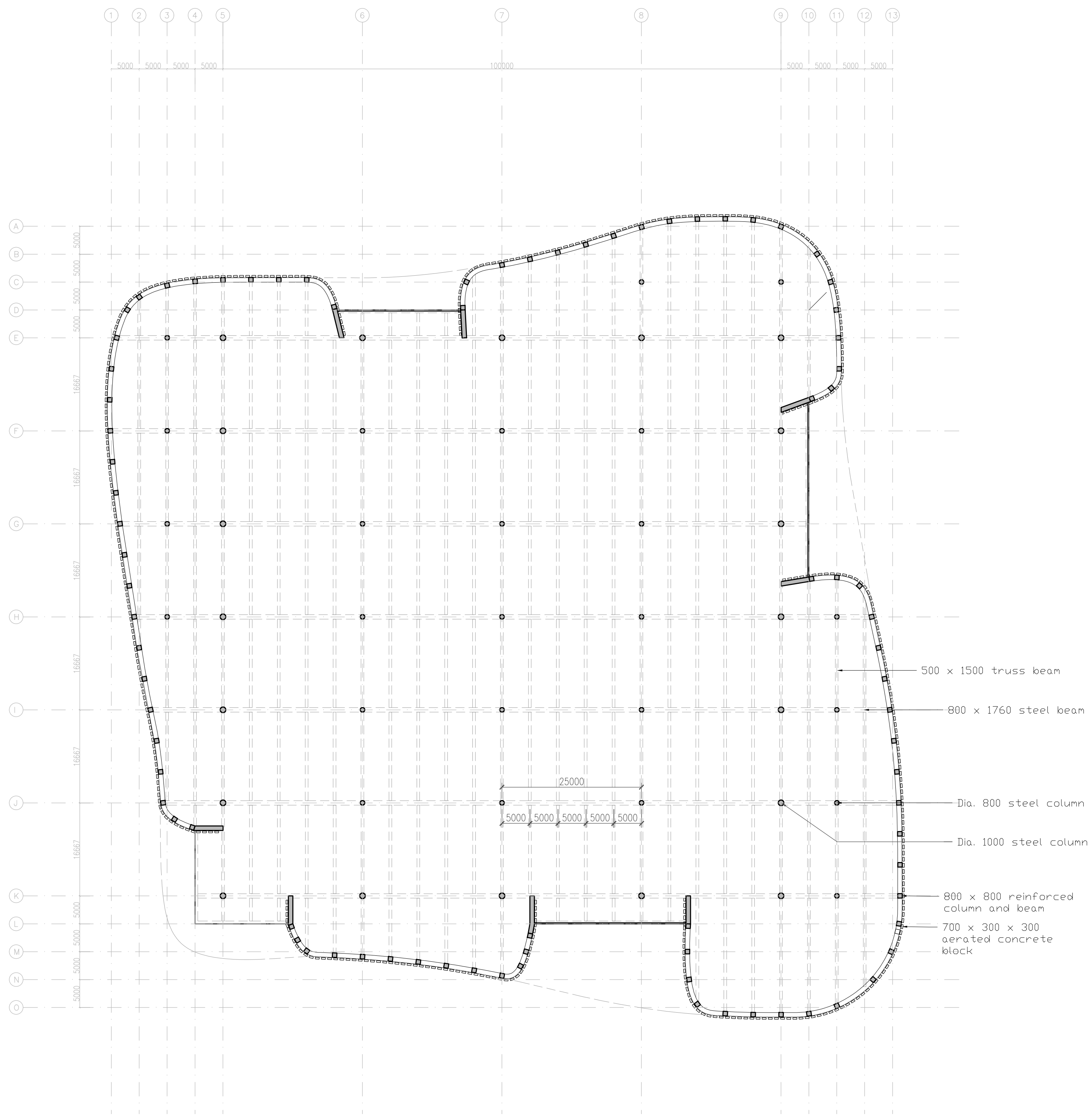
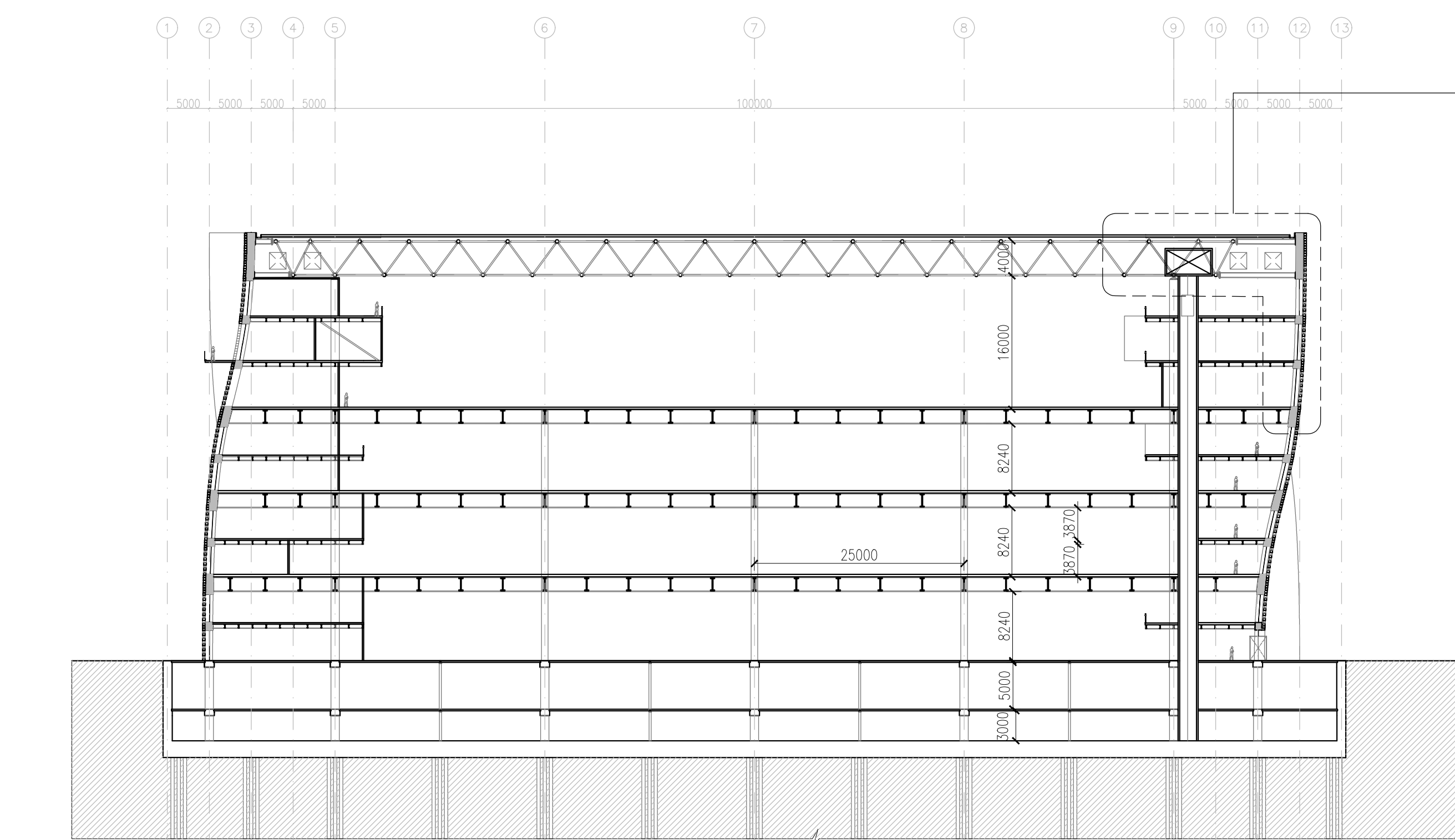




1 STRUCTURAL PLAN_Hall 1



1 STRUCTURAL SECTION_Hall 1

1. Roof
PV solar panel mounted on roof sandwich board
240 mm sandwich board w/. 200 mm thermal insulation
10 mm vapour barrir layer
100 mm acoustic perforated metal deck
2. skylight
fixed 22mm thick double glazing
electrical shading fin
*operable at certain position for smoke release when fire
3. 500 x 300 water channel
4. connecting beams between space truss and facade structure *expansion joint detail to be advised by structural engineer
5. facade
700 x 300 x 300 recycle aerated concrete block
100 mm air gap
10 mm waterproofing membrane
200 mm thermal insulation
10 mm vapor barrier
600 mm steel and concrete structural element
6. Suspended ceiling
perforated sheet metal laminated w/. acoustic fleece
textured paint
climate ceiling unit every 3000mm
7. Floor
20 mm floor finish
10 mm screeding
10 mm waterproofing layer
200mm reinforced concrete slab with holorib sheets
7. Floor
20 mm floor finish
10 mm screeding
10 mm waterproofing layer
200mm reinforced concrete slab with holorib sheets
8. Interior partition
20 mm interior wall finish (acoustic material e.g. acoustic panel, slated wood)
13mm gypsum board
100mm metal framework filled with insulation material
13mm gypsum board
20mm interior wall finish
9. mounted acoustic panel
10. Main floor
20mm epoxy floor finish
10 mm screeding
10 mm waterproofing
150 mm concrete slab
150 mm trapezoidal profile metal sheets
1700 structural steel beam
11. ventilation gap within the block wall
12. concrete block mounting plate

1 Facade detail

