

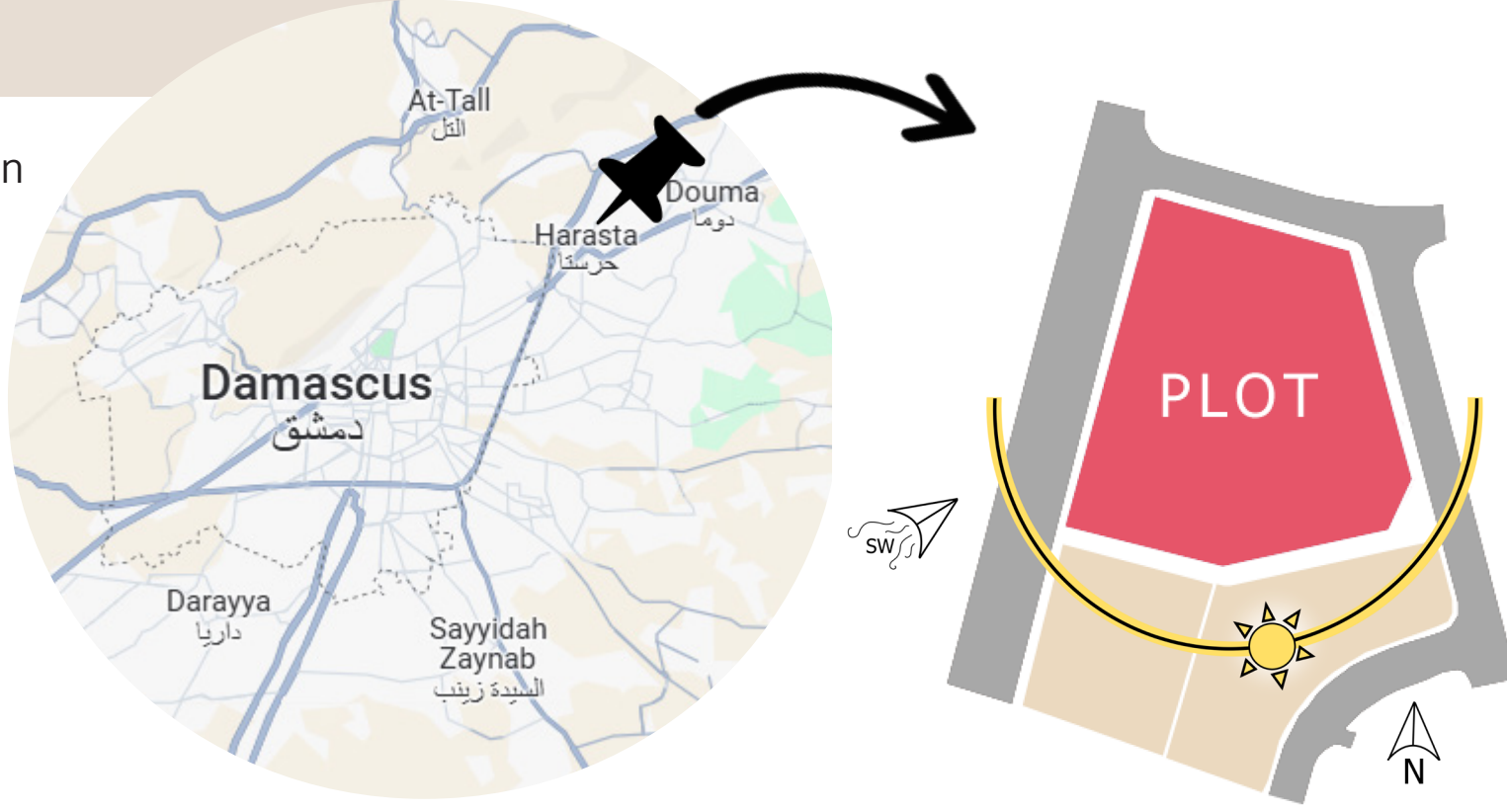
SCHOOL IN HARASTA DAMASCUS



BOUINT

Vision

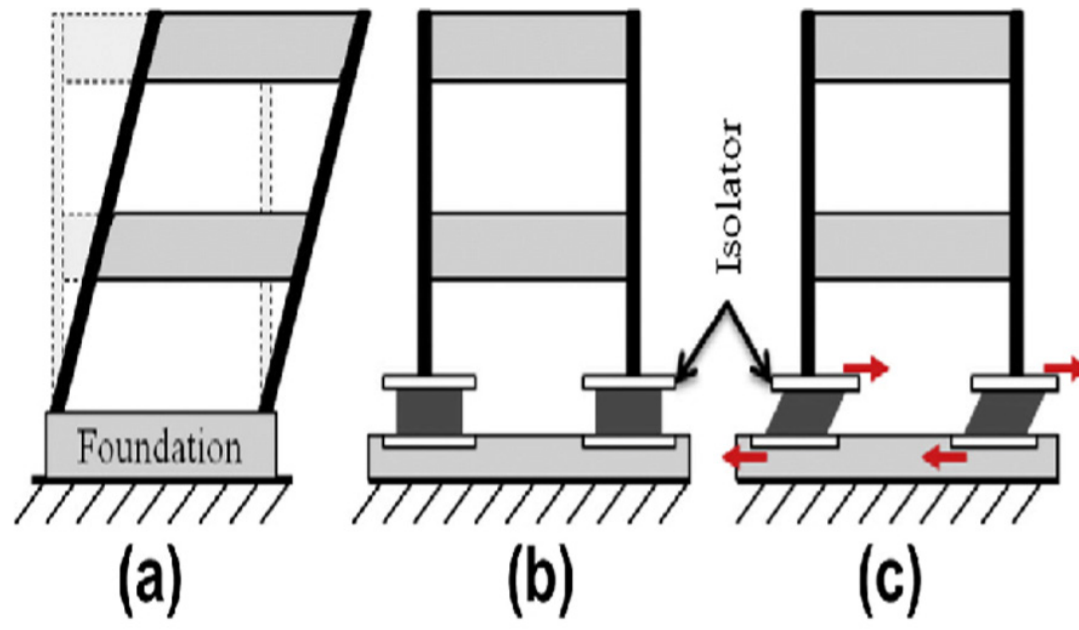
- Distinctive & original design
- Site-responsive design
- Strengthening community



Earthquakes



Base isolation
Engineering technique separating the building from its foundation using flexible bearing absorbing the energy from the moving ground



Materialisation

- Ground floor**
- solid reinforced concrete floor on a sand bed
 - cement screed
 - cement tiles



- Supporting wall**
Nudura
- EPS
 - Concrete
 - Stucco - interior
 - Brick slips - exterior



- Intermediate floor**
Stalton floor
- concrete
 - cement screed
 - cement tiles
 - plaster finish



- Dome**
- reinforced concrete
 - stucco
- Roof**
- reinforced concrete
 - XPS
 - bitumen

Culture & Schoolsystem

- Collectivistic
- 12 years - schoolyear divided into 2 semesters
- Students gather in rows in the courtyard



Syrian architecture

- Courtyard
- Riwaqs
- Cupolas
- Iwan
- Rich decoration
- Symmetry
- Privacy



Temple of Jupiter
Central courtyard surrounded by Roman columns and arches combined with local materials in Damascus.

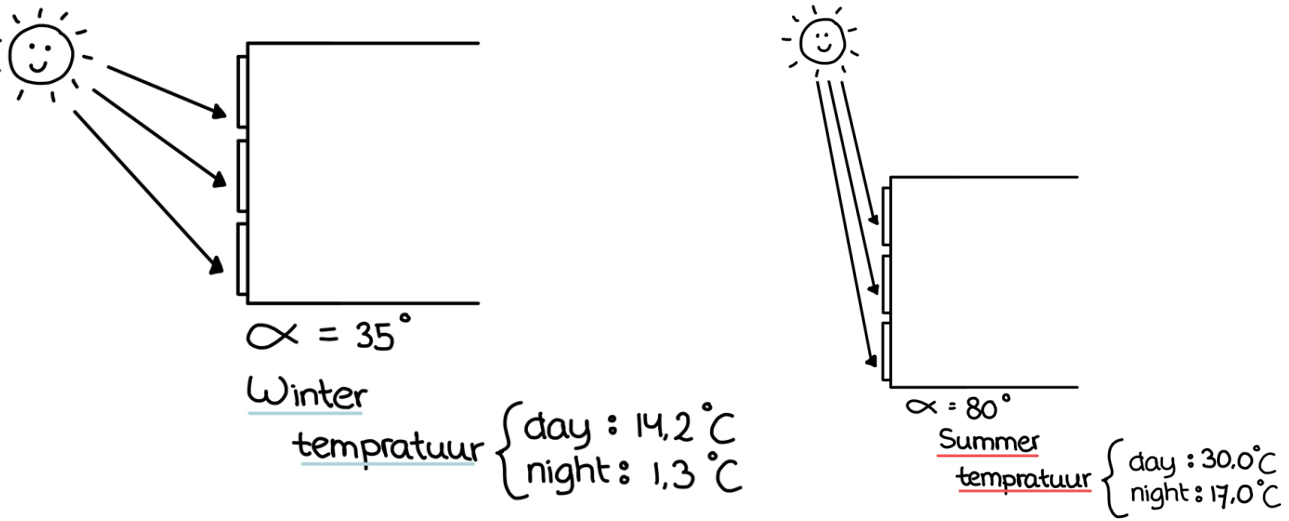


Jawdat Al-Hashemi
Typical Syrian scholastic architectural style with access balcony around courtyard.

Daylight



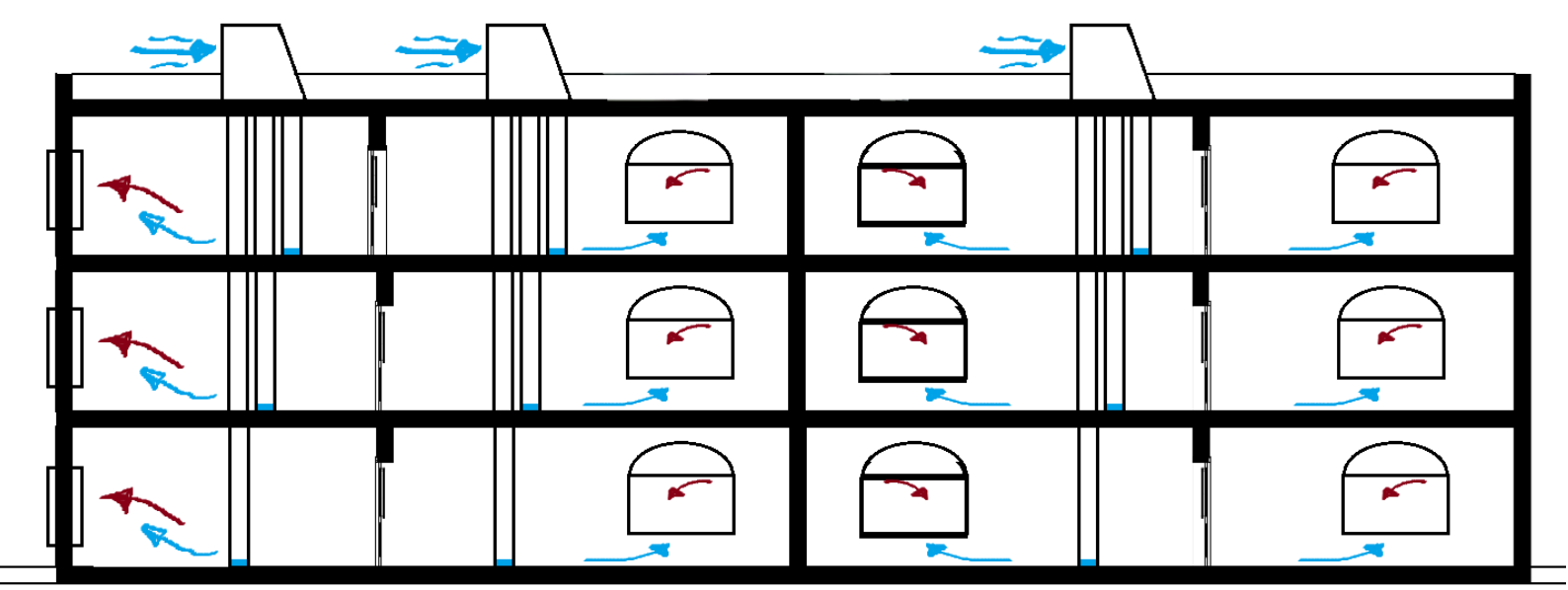
Mashrabiya
Latticework for privacy, shading and ventilation



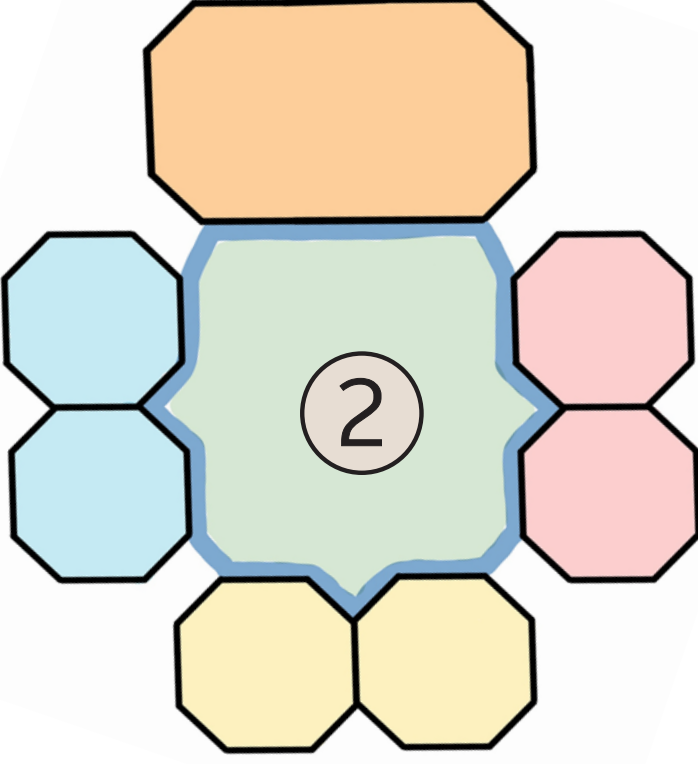
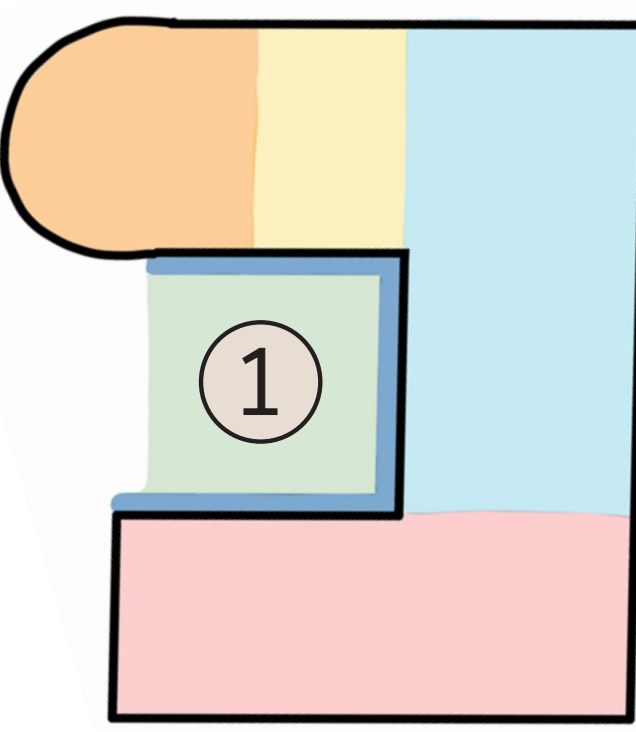
Ventilation



Malqaf
Capturing fresh air for a natural supply



Design options

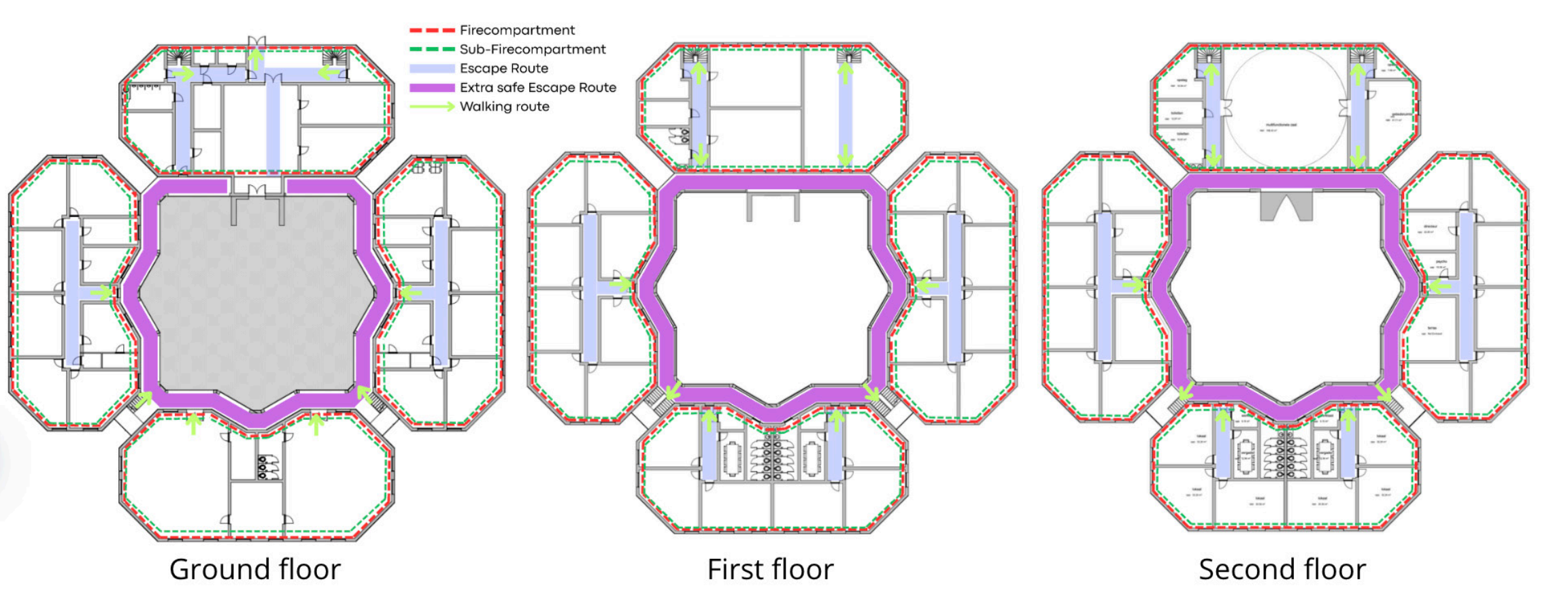


	1	2	
Communal	--	--	Functionality
Staff areas	-	-	Accessibility
Girls area	+	+	Positioning
Boys area	++	++	Aesthetics
Courtyard			
Access balcony			

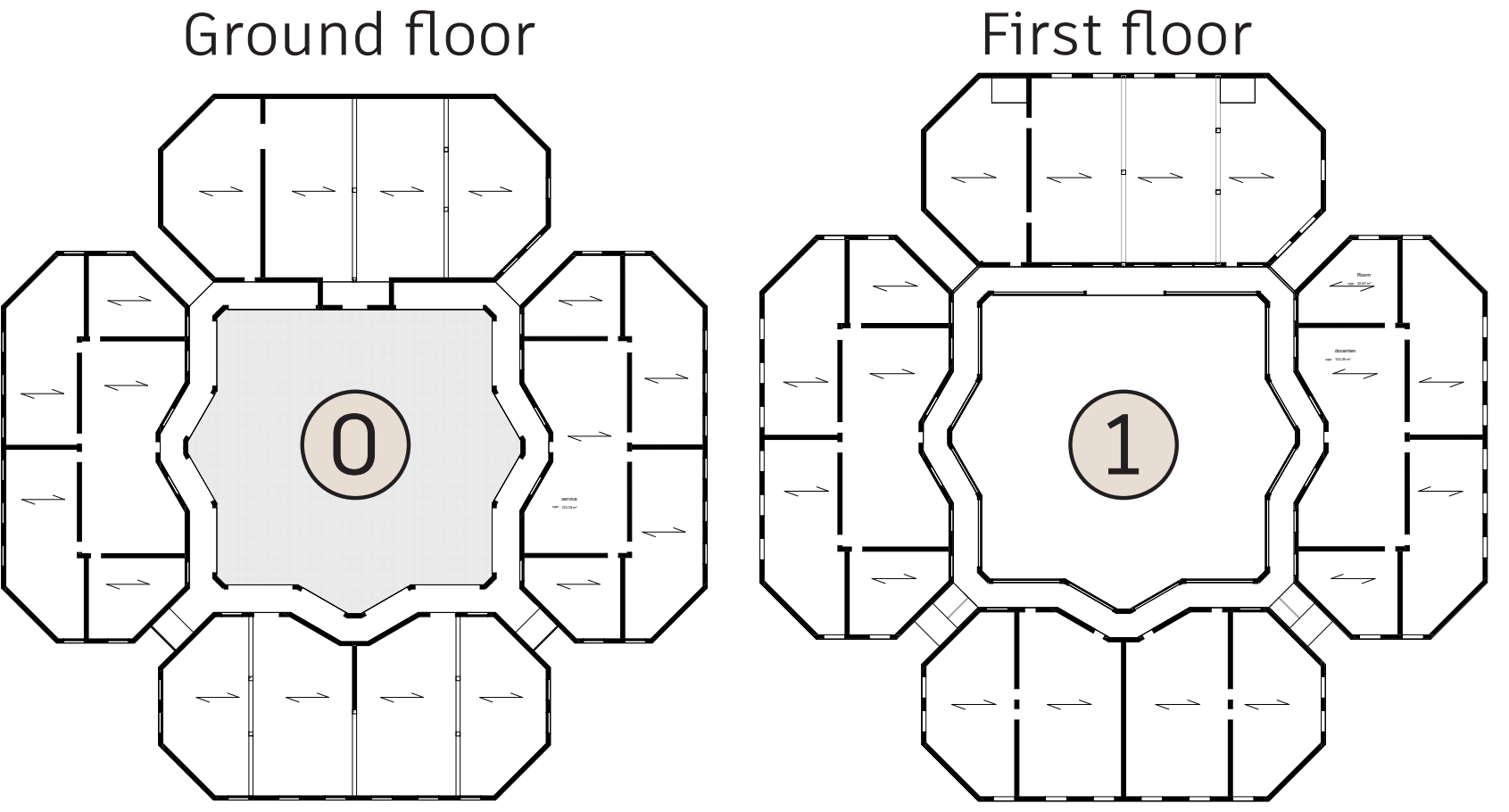
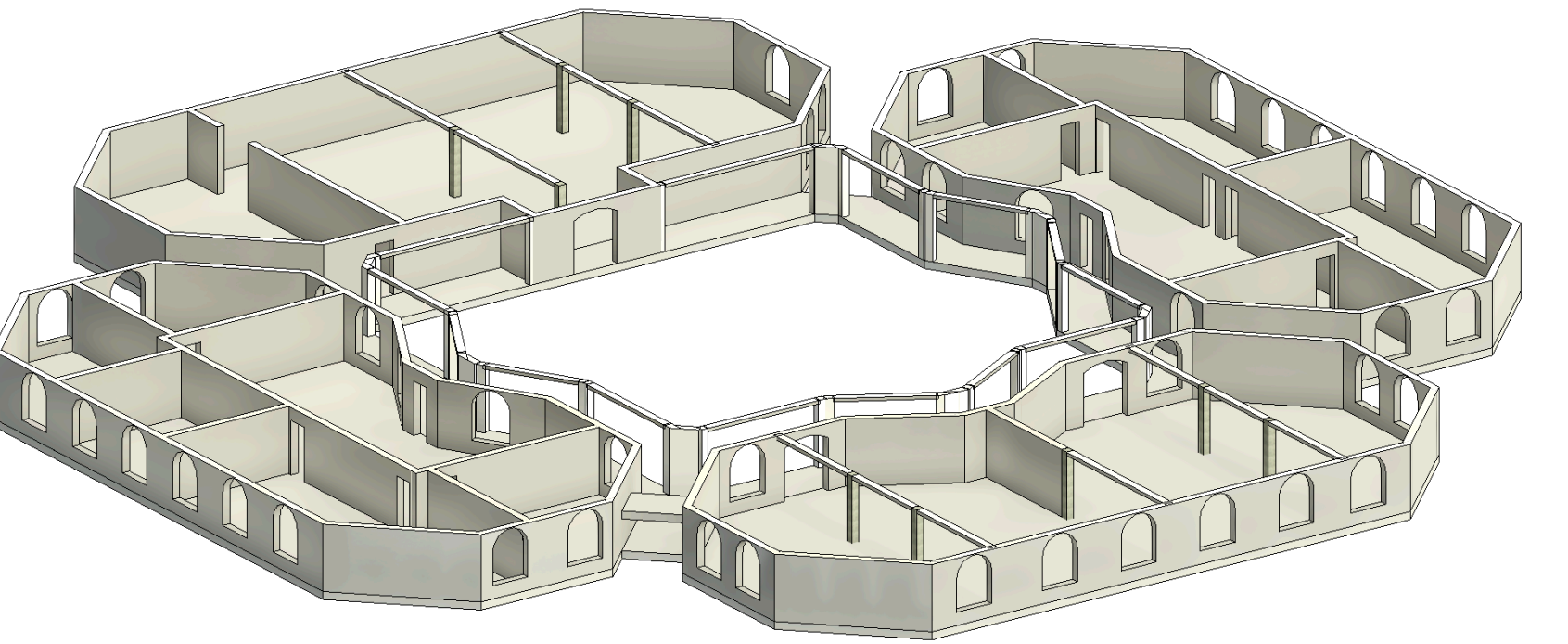
Design 2

- ✓ Accessible
- ✓ Clear division
- ✓ Unique
- ✗ Hectic

Fire safety



Construction



SCHOOL IN HARASTA DAMASCUS



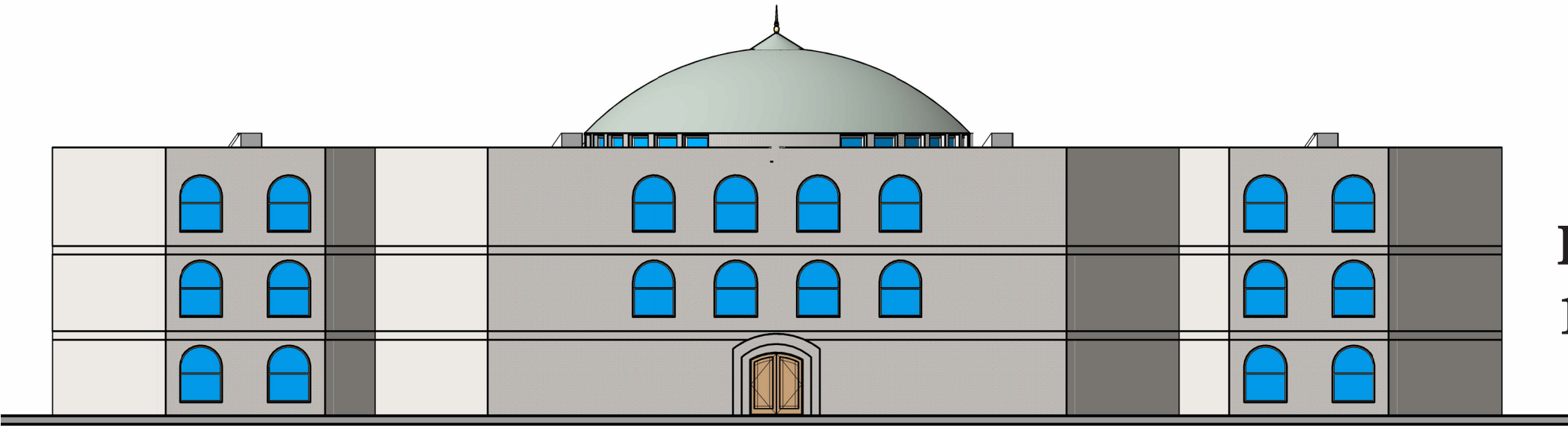
BOUINT



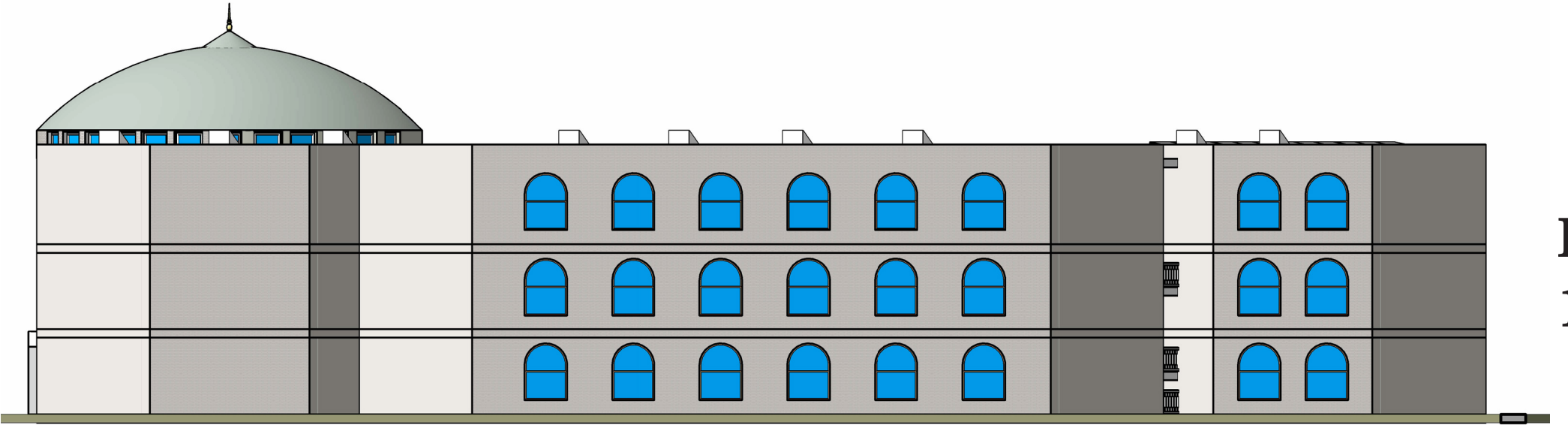
Sections 1 : 200



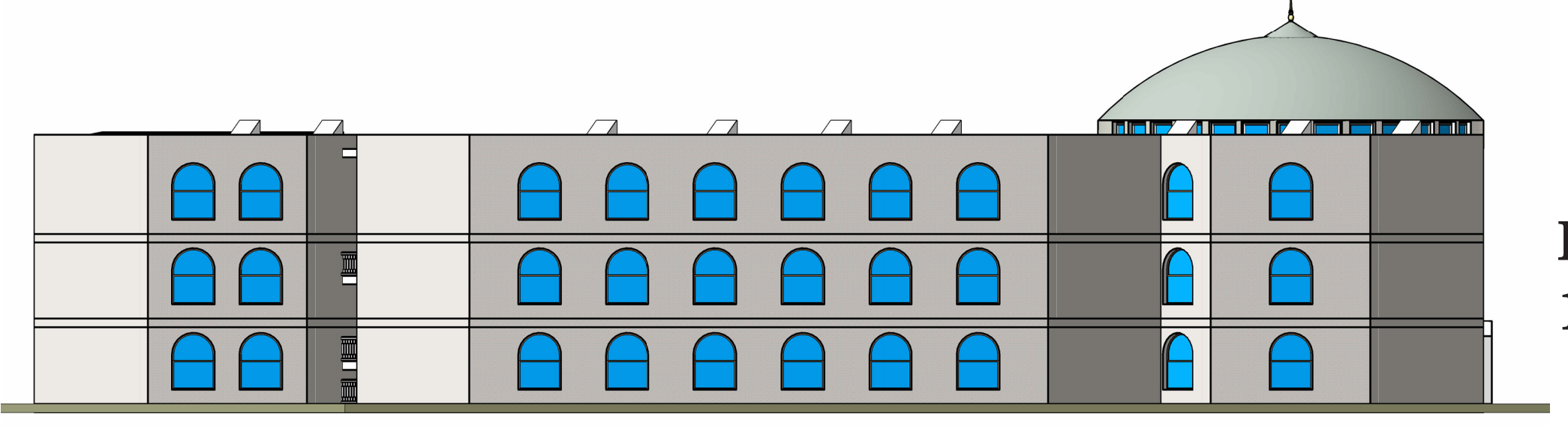
Site plan



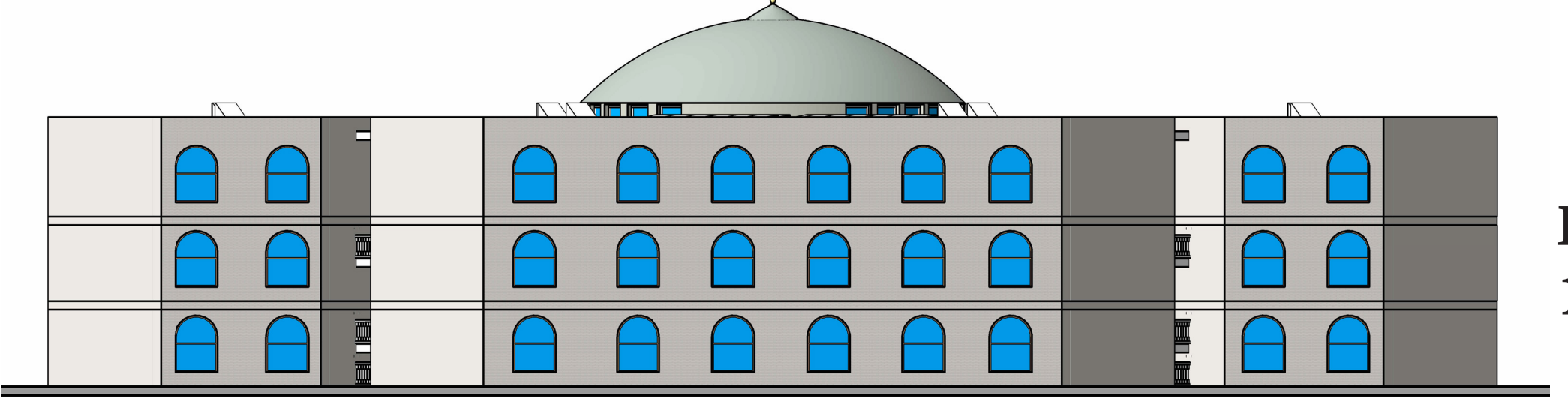
Front view
1:200



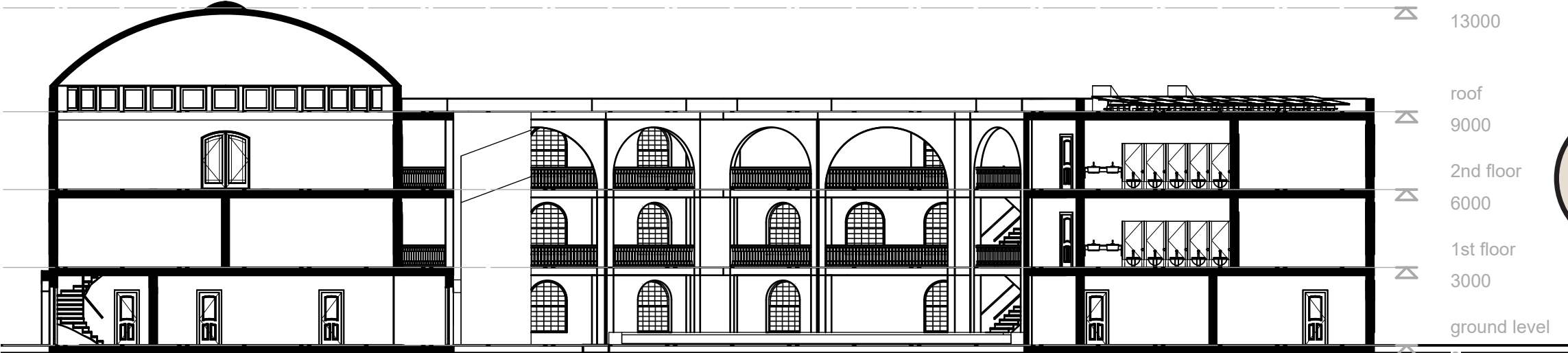
Right view
1:200



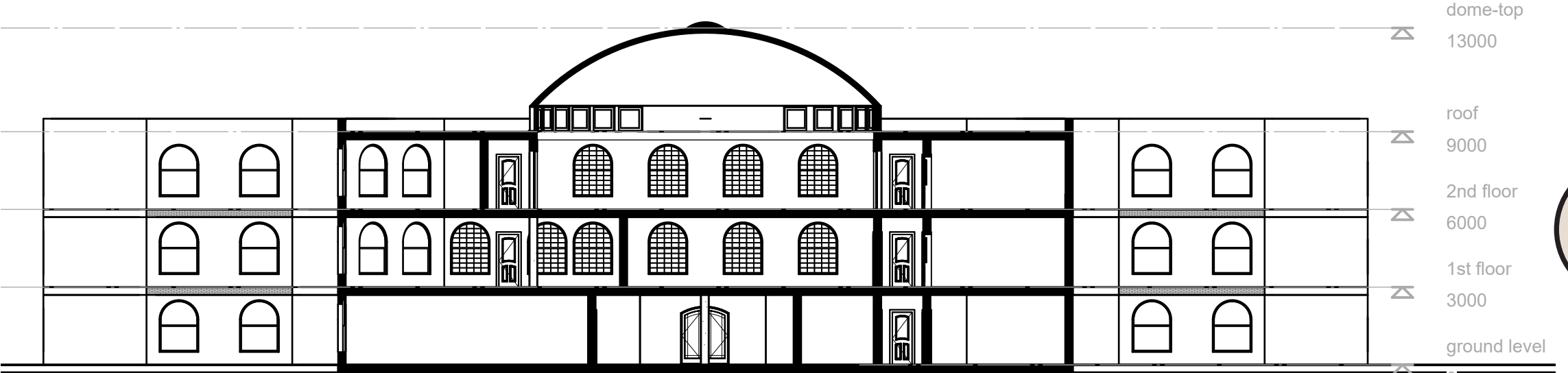
Left view
1:200



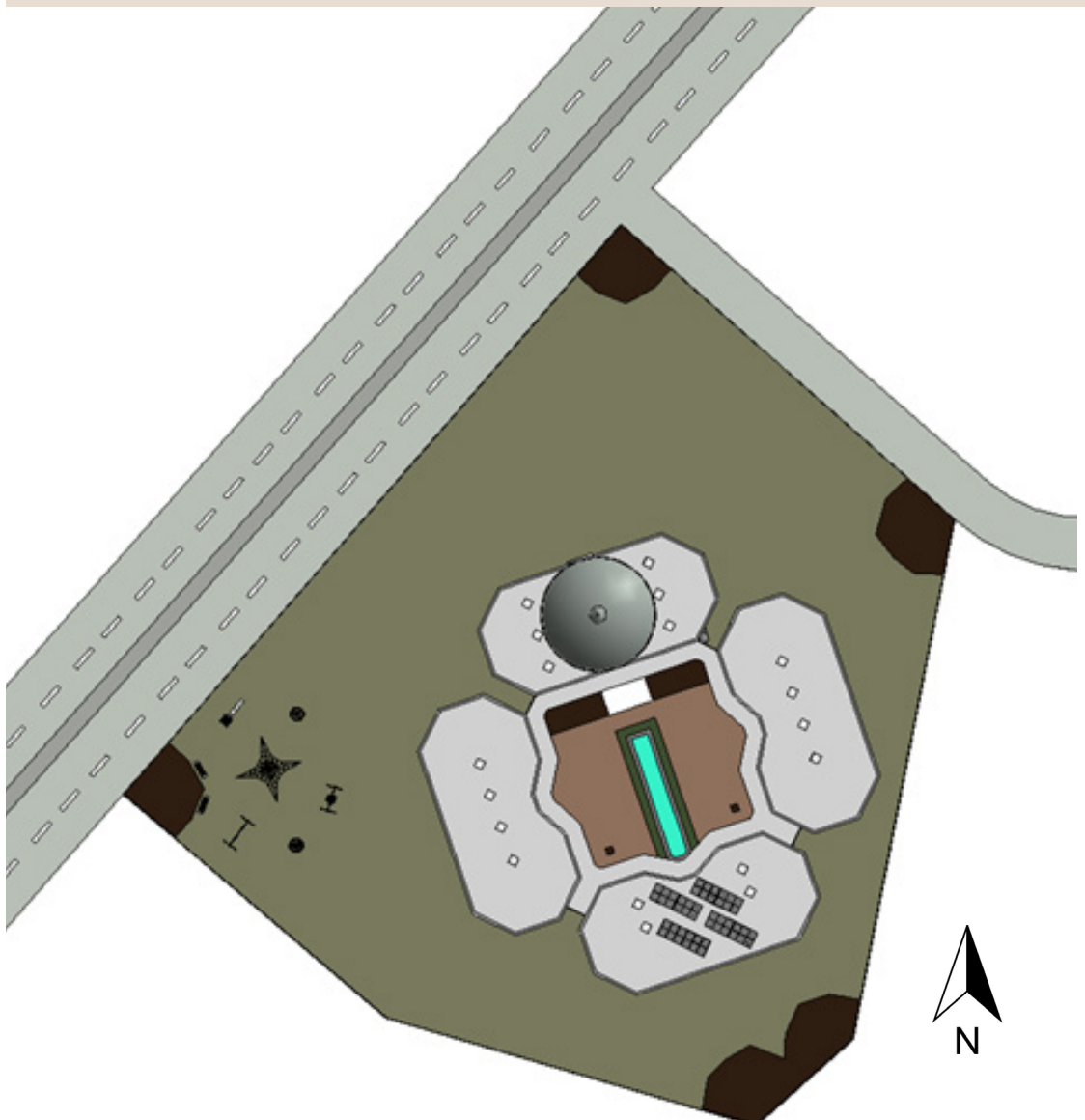
Back view
1:200



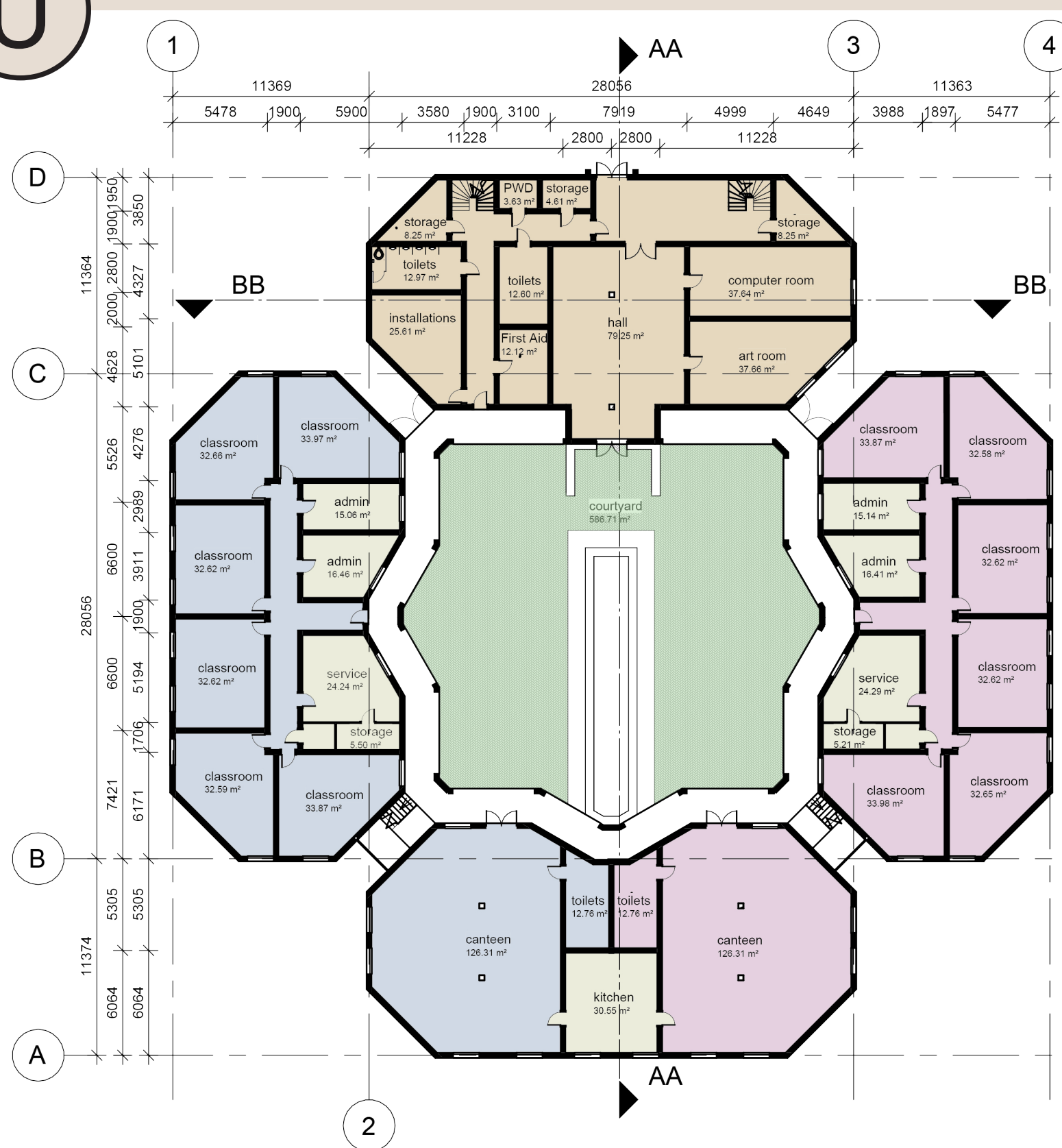
AA



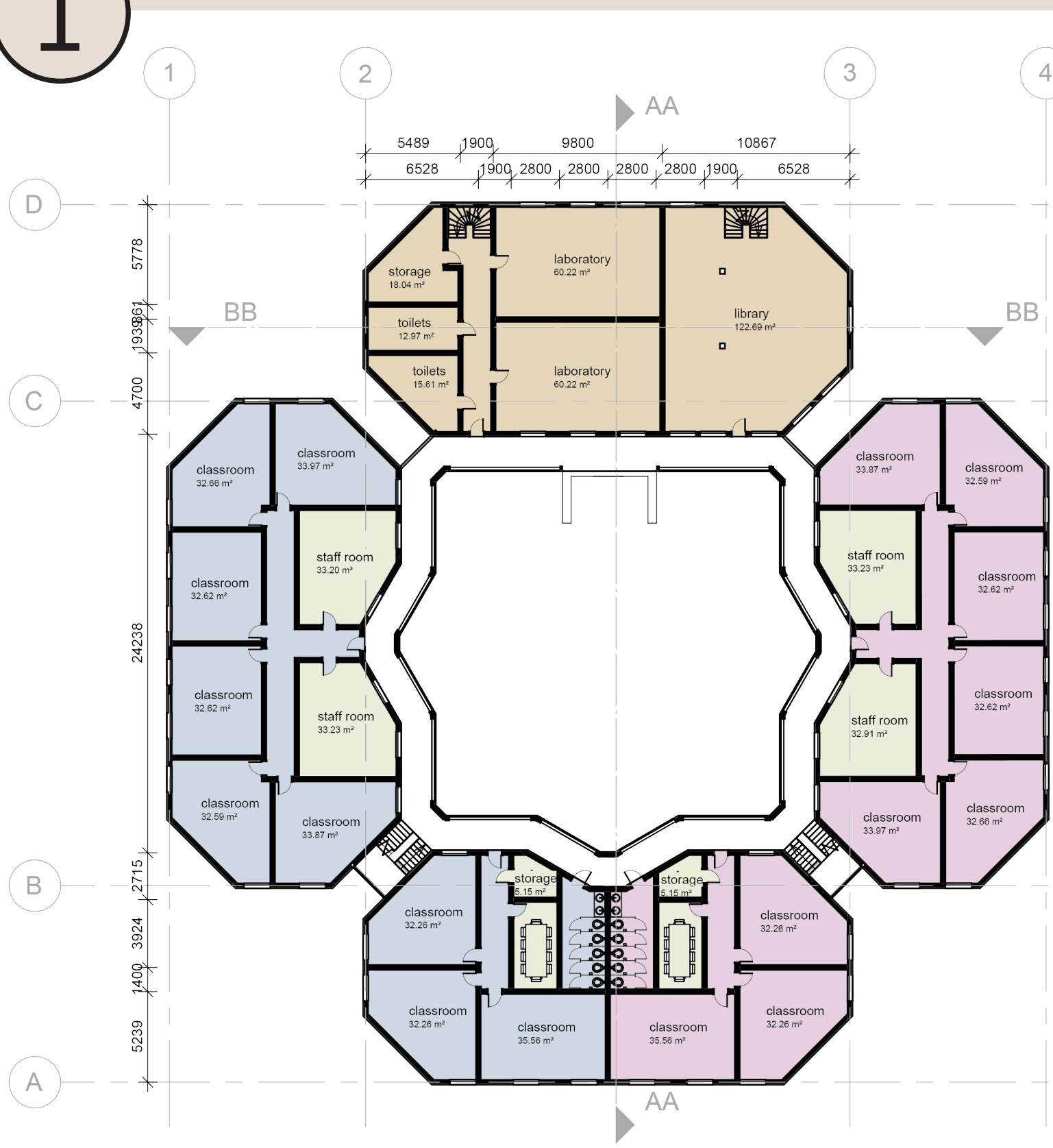
BB



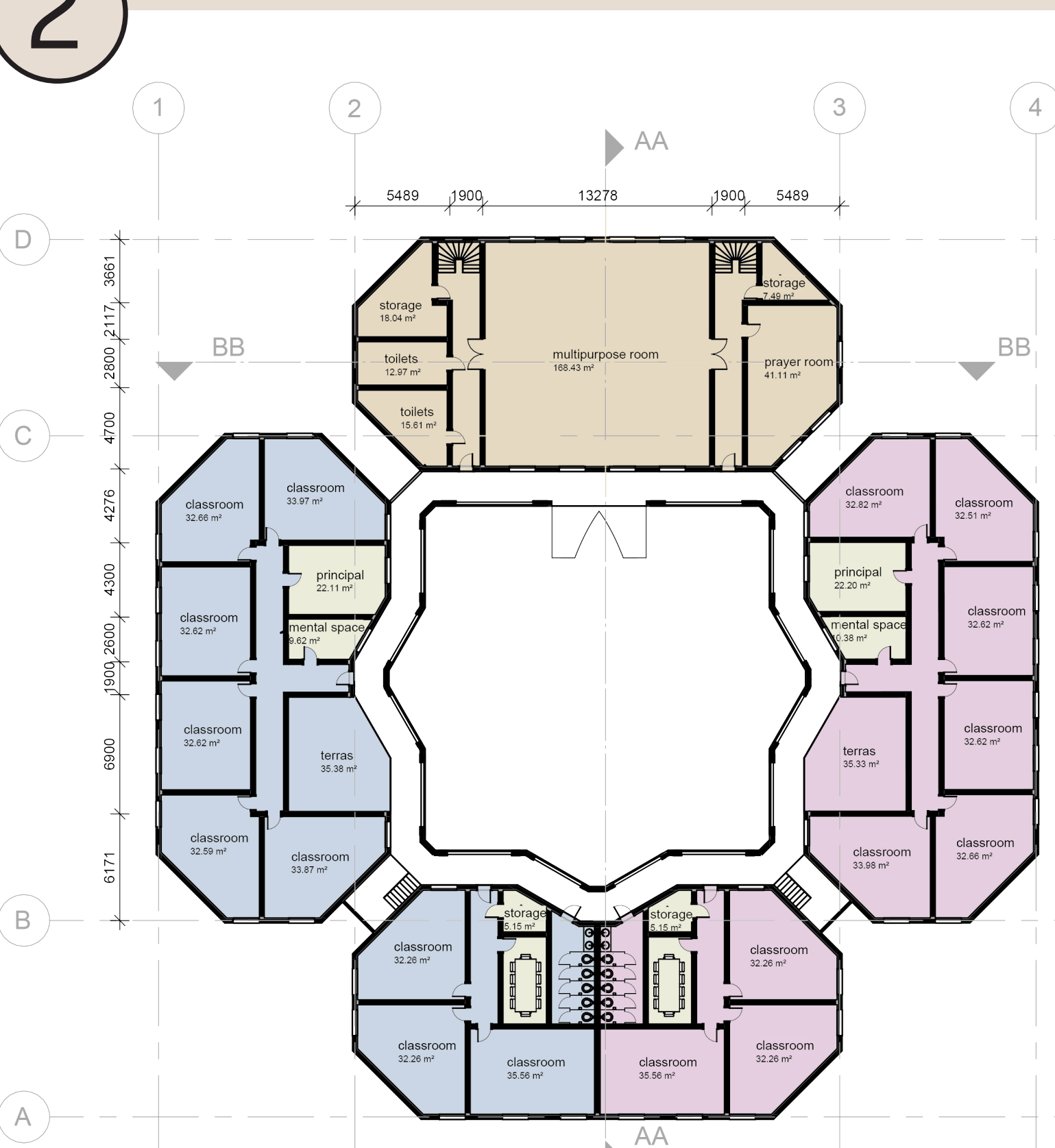
0 Ground floor 1 : 300



1 First floor 1 : 300

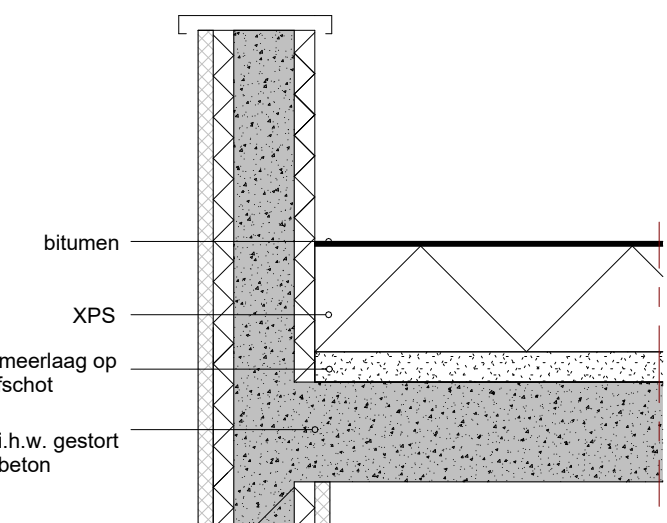
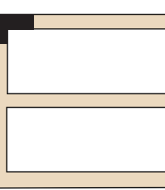


2 Second floor 1 : 300

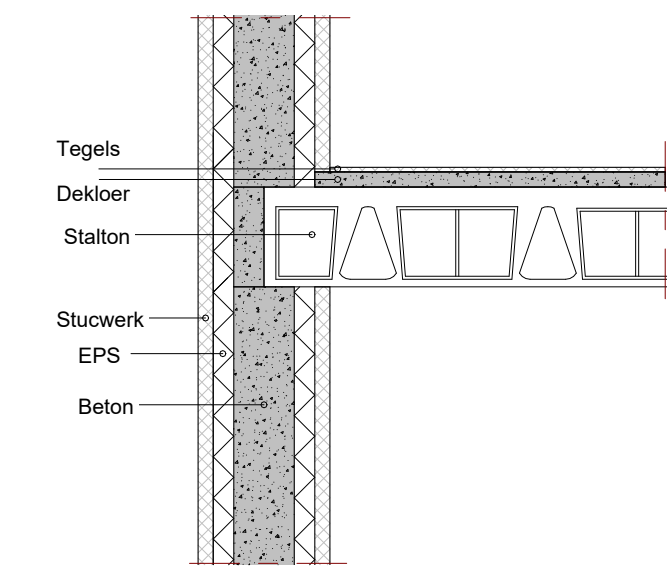
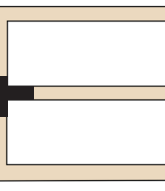


Detail drawings 1 : 25

Roof



Intermediate floor



Ground floor

