Sports, Auditorium & Conference
AM1, Sector 3 Palava

Concept Design

17th July 2018

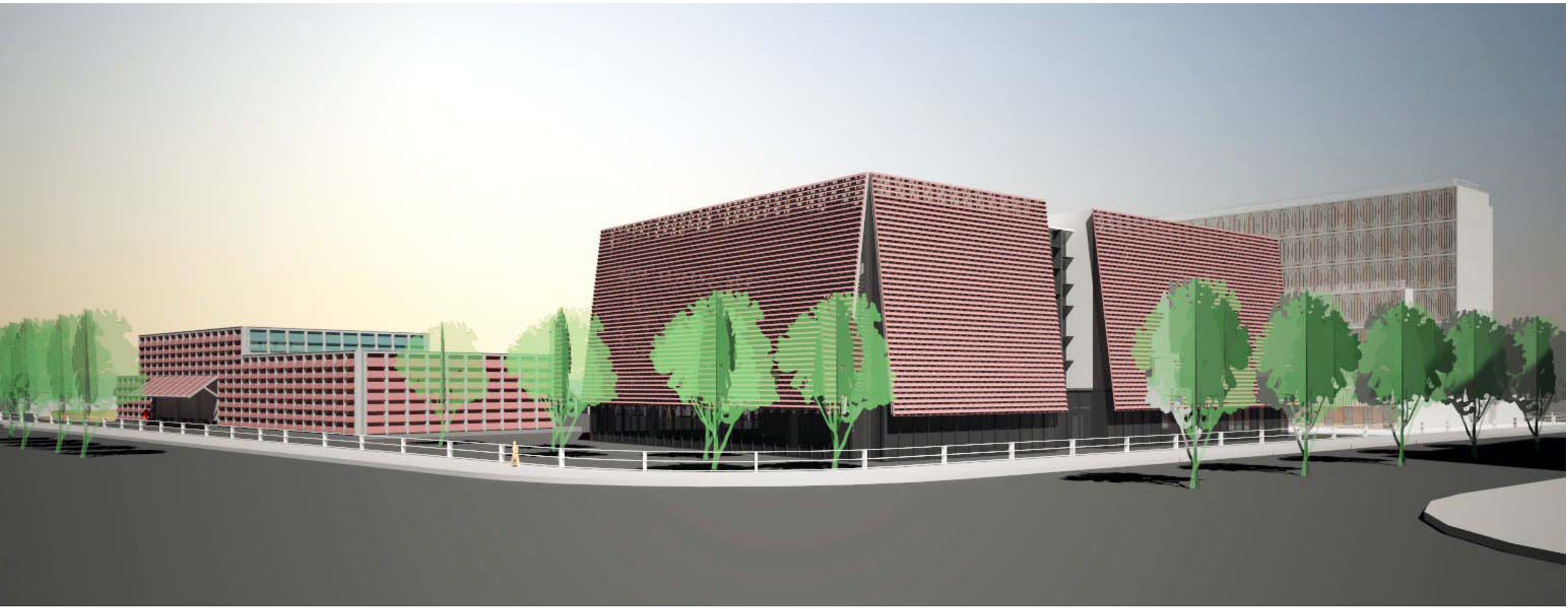
Serie Architects

Facade concept design

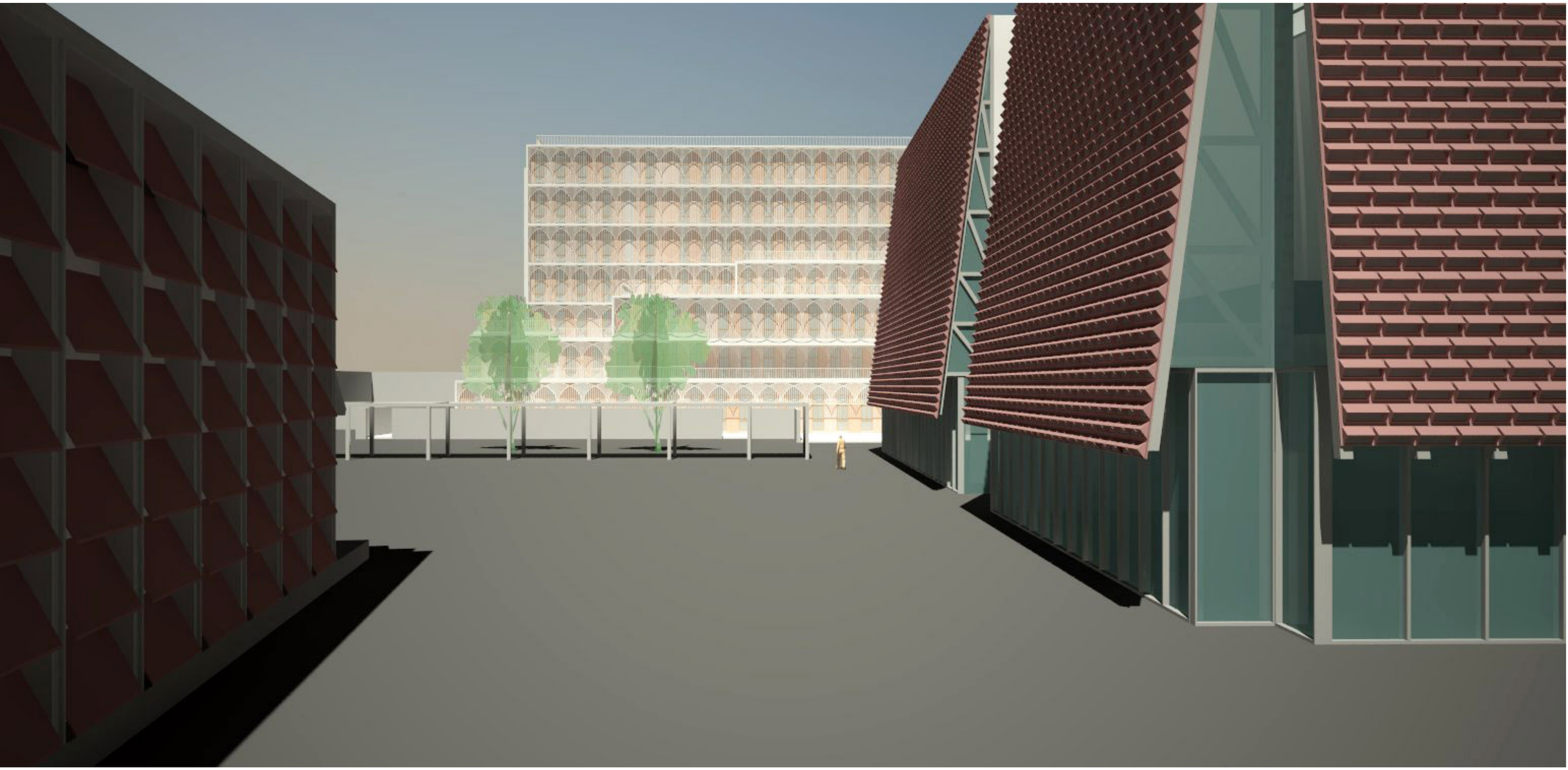
The massing of the facade corresponds to the programs within the building.



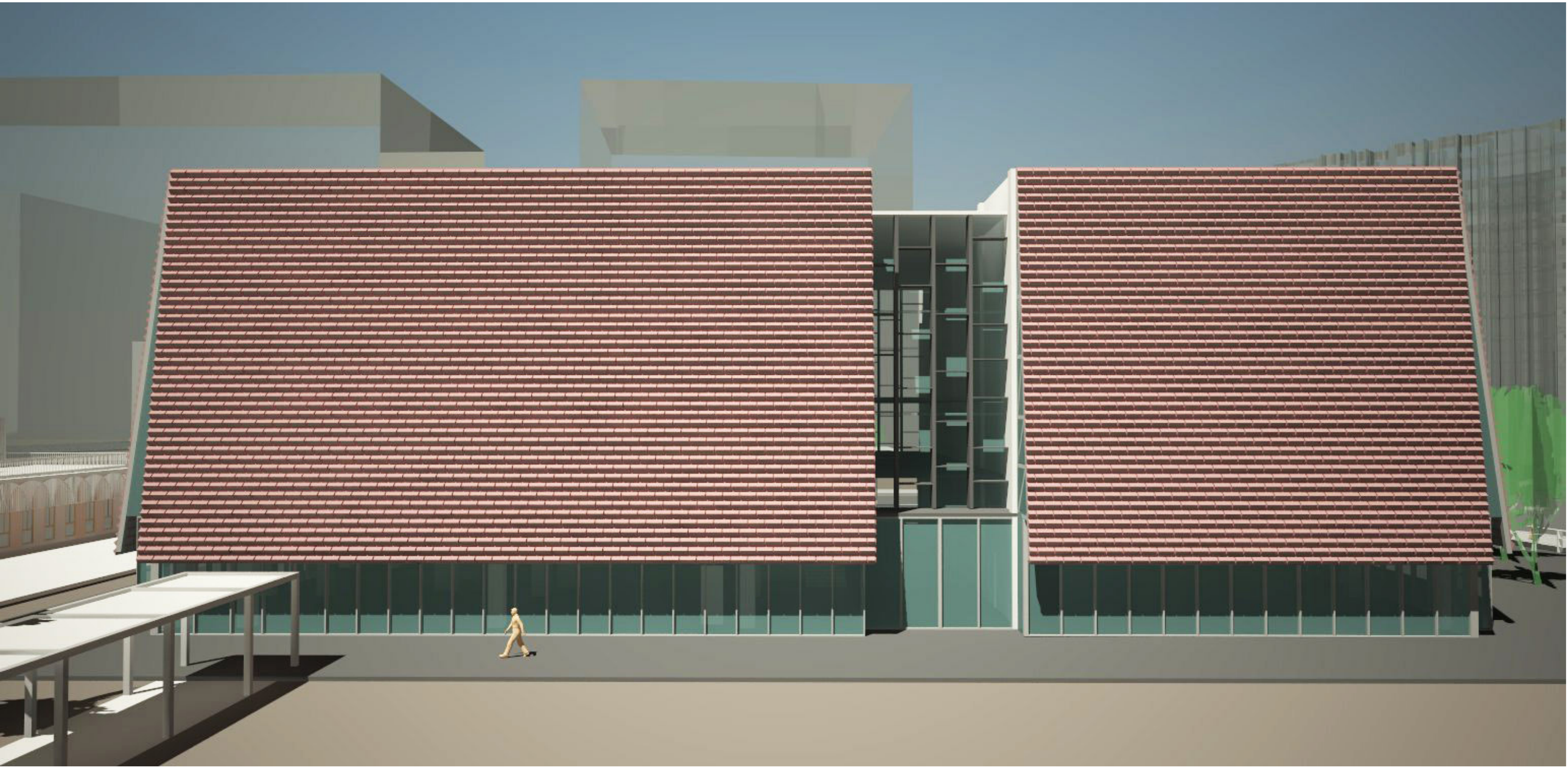
The inclined screen like facade corresponds to the design language of the adjoining PG1 & Clubhouse & school facades. All four buildings have distinct identity but they belong to same family.



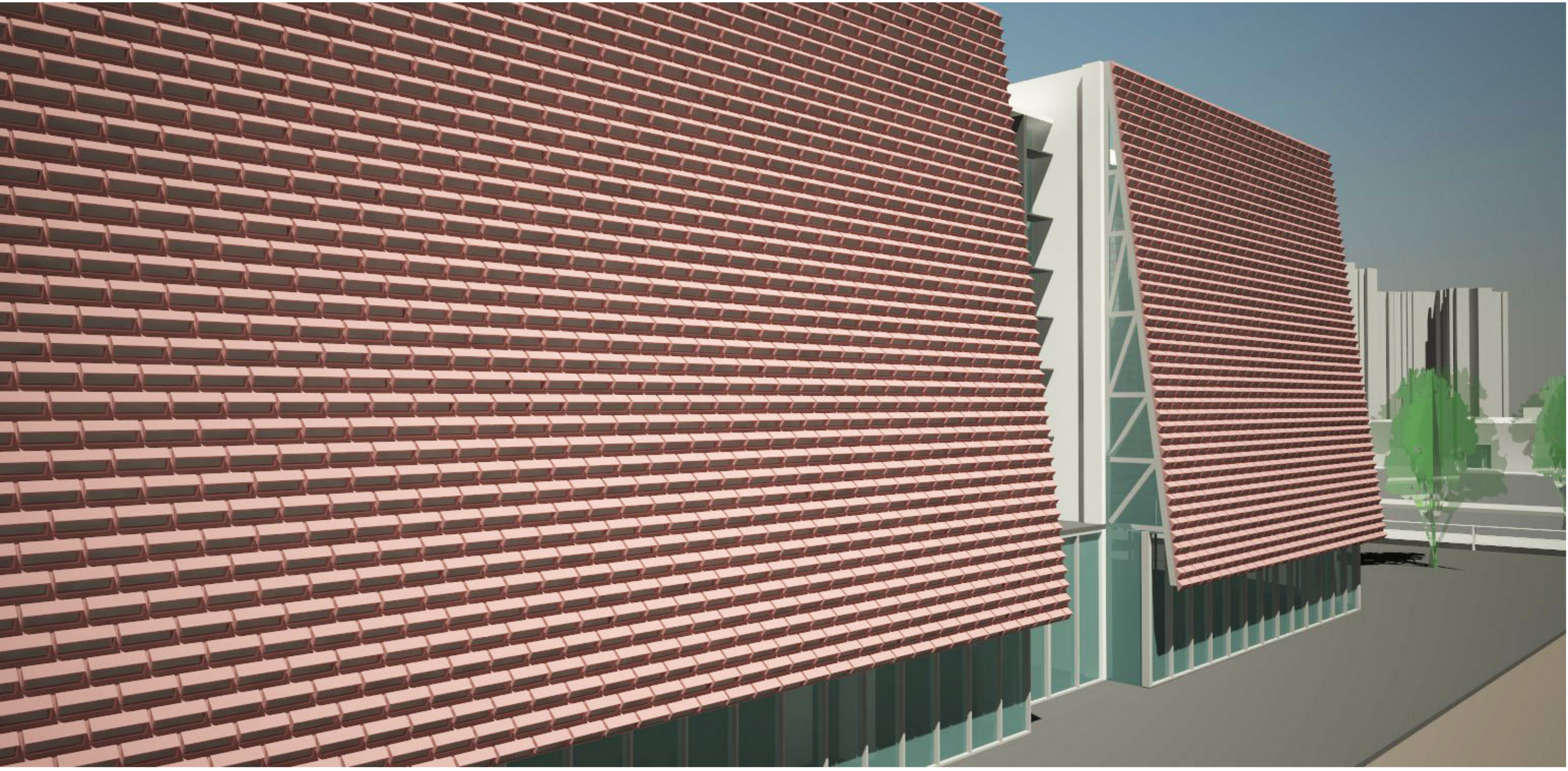
AM1 facade is made of series of staggered louvre modules, Which are stained in shades of terracota. They evoke a brick wall like character.



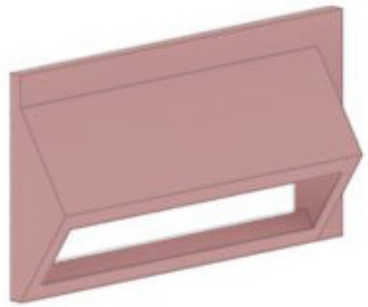
The module allows for the soft & diffused light to penetrate through but blocks the direct glare, this is essential for functions of sports & other common areas.



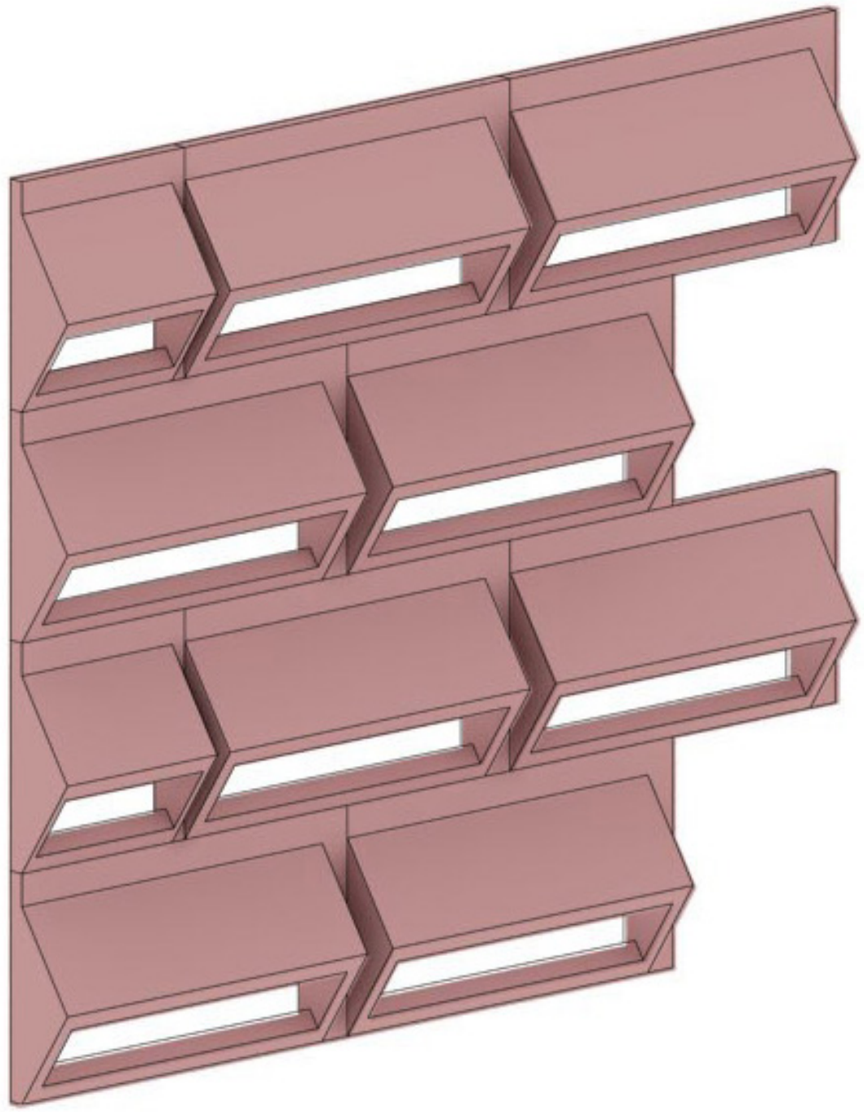
We propose the facade built in panels having several louvre modules.
These would be built in GRC / Ferrocement / Precast concrete &
stained with pigmented concrete sealer coat.



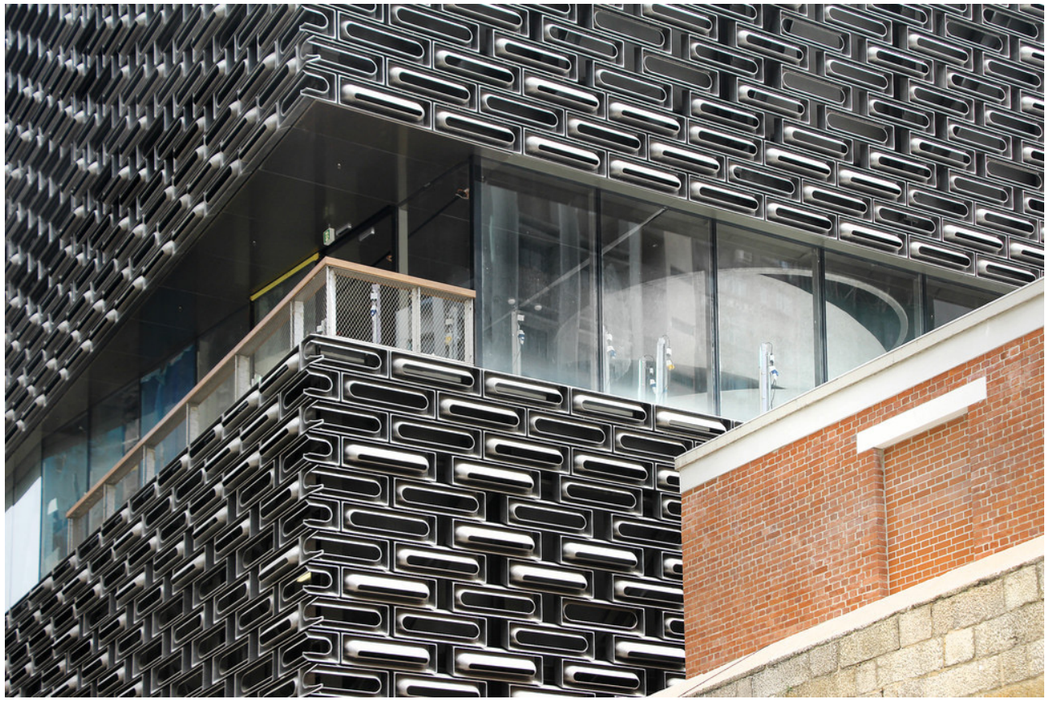
Modular facade panels would interlock & get supported by the metal frame work behind. This metal framework would rest on the peripheral RCC frame. It is possible to block selected modules by glass / metal louvres or kept open.

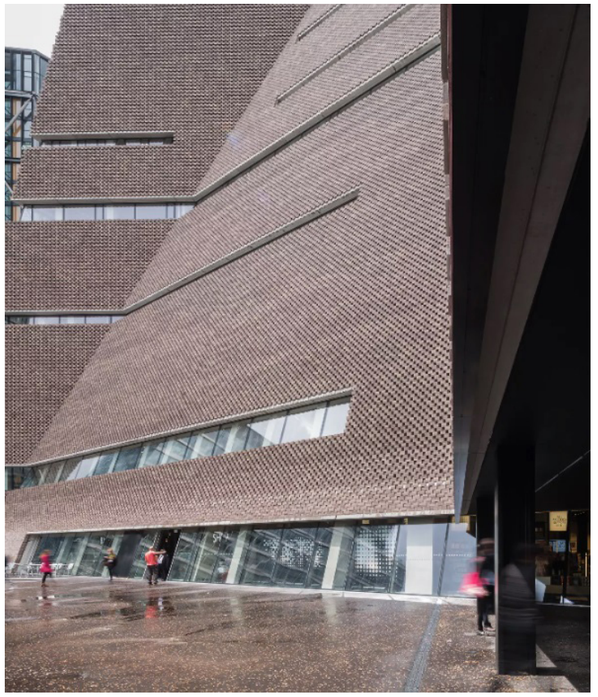


Single louvre module
650mm (W) x 350mm (H)



Modular facade panel
1625mm (W) x 1400mm (H)

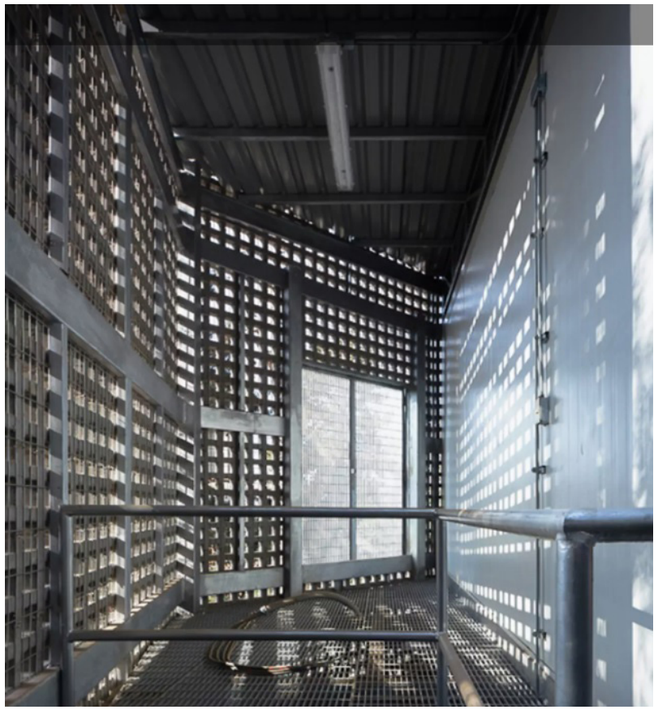












Sports

- Indoor badminton courts
- Table tennis
- Gymnasium
- Support facilities
- Events
- Sports hall convertible to indoor exhibition space

- Clear height of 9.1 m

Arts & culture

- 600 seater auditorium
- Green rooms
- Lobby space
- Cafeteria
- Kitchen facility
- performances, musical shows

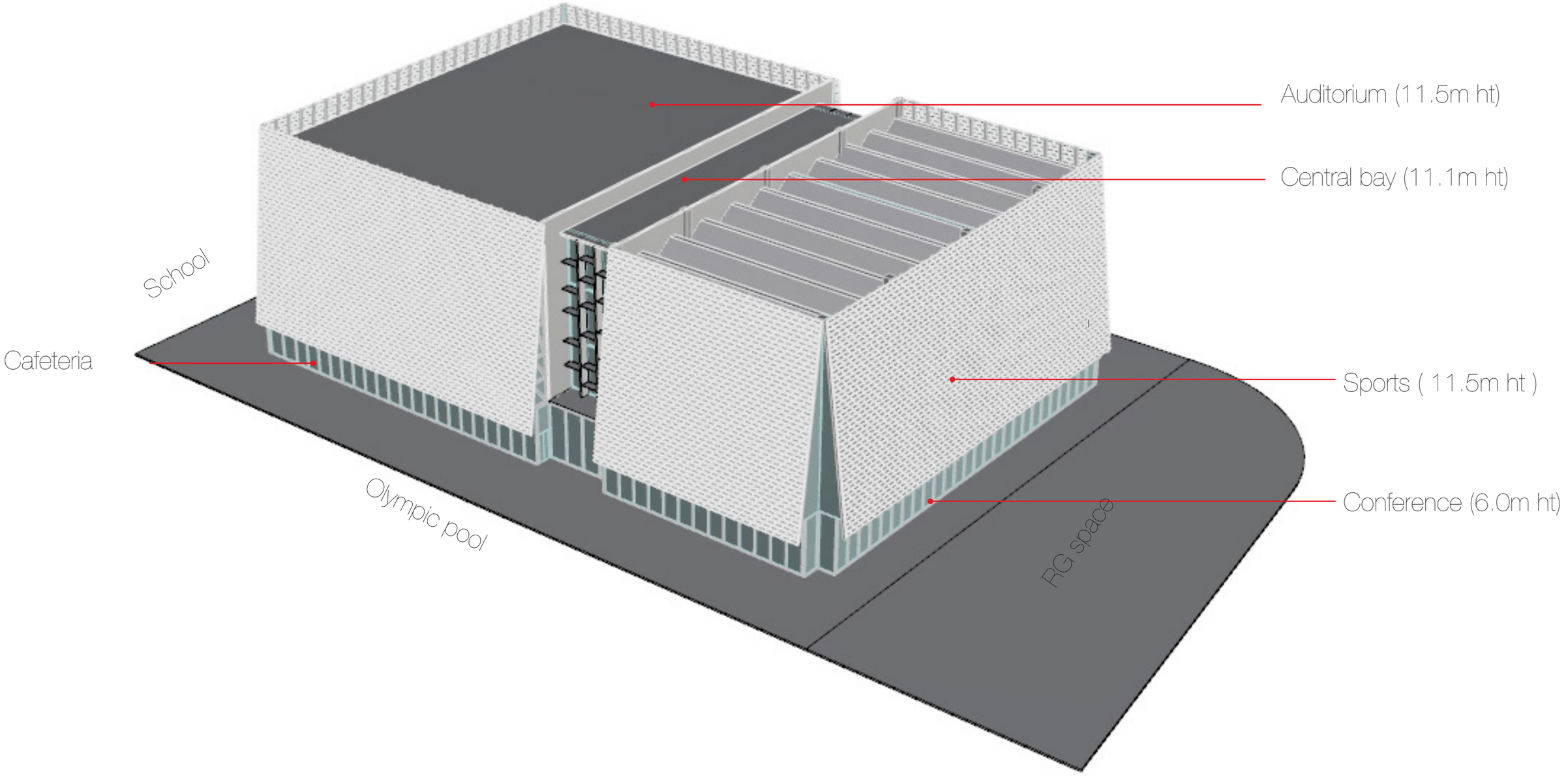
- Clear height upto 10m
- Dedicated holding space for events

Business

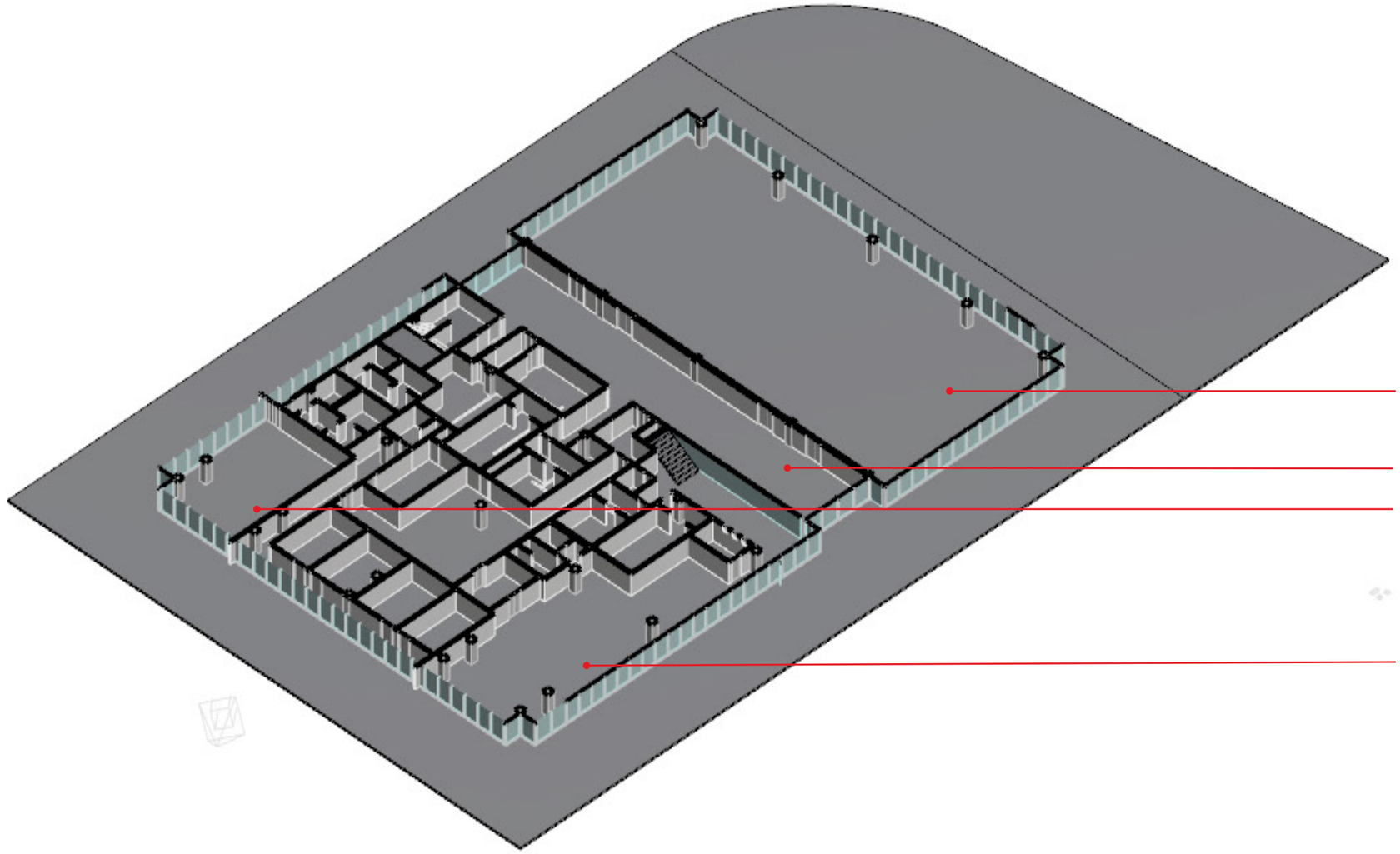
- 4 flexible conference rooms
- 2 meeting rooms
- Pre function area
- Dedicated kitchen facility
- Dedicated access
- Business + personal functions

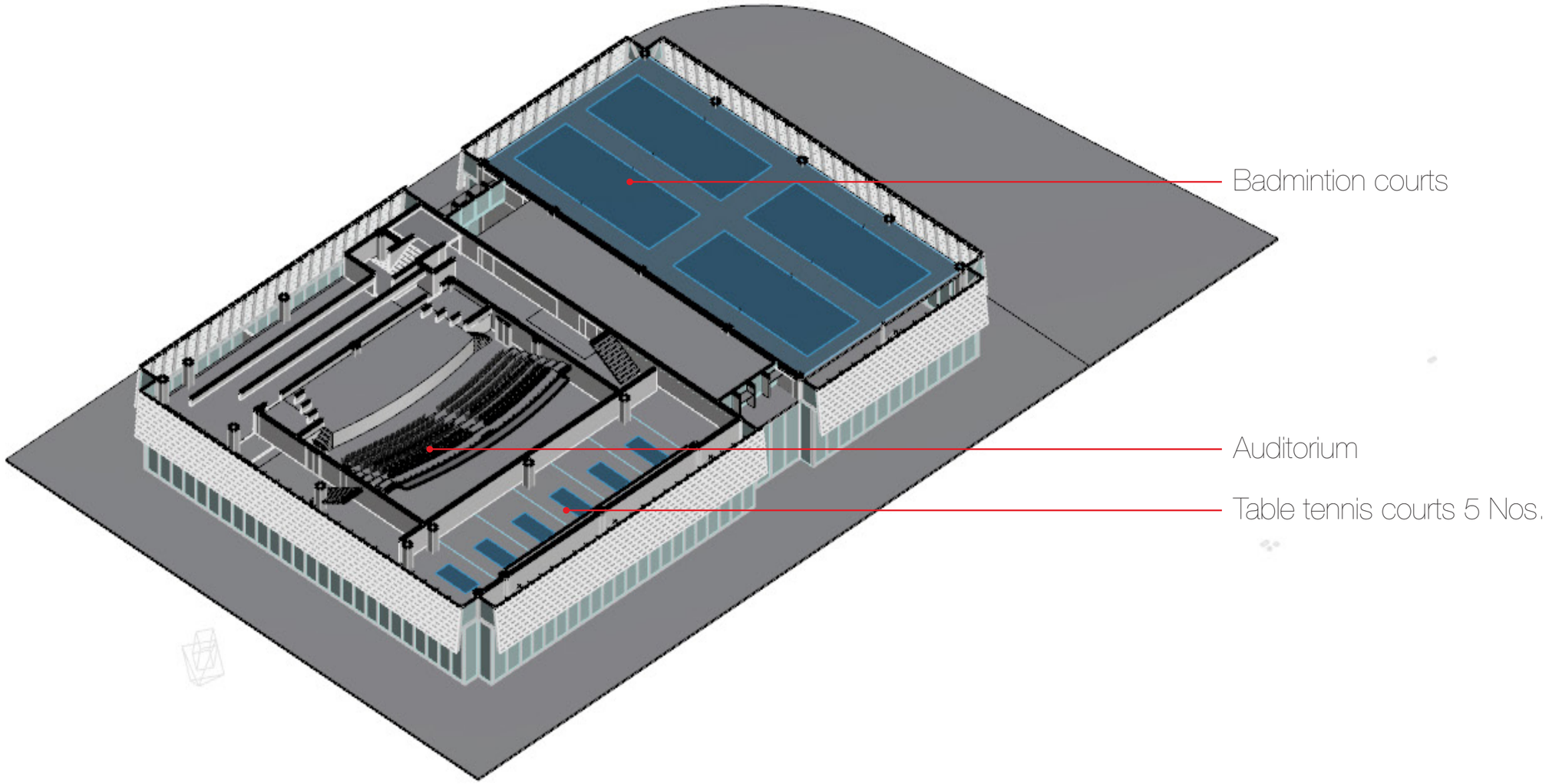
- Clear height of 6.0 m

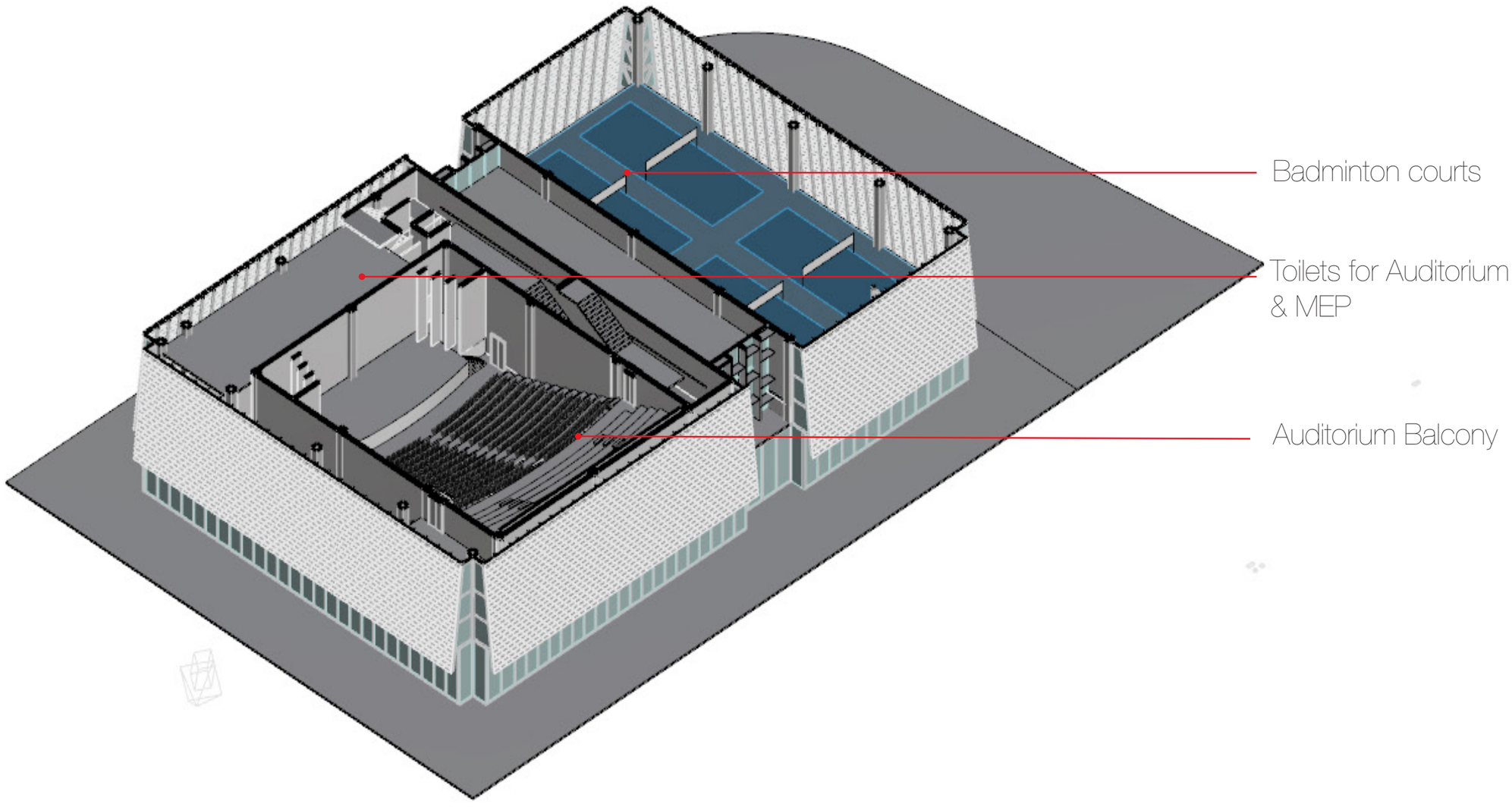
Building Massing corresponding to the programs & their requirements

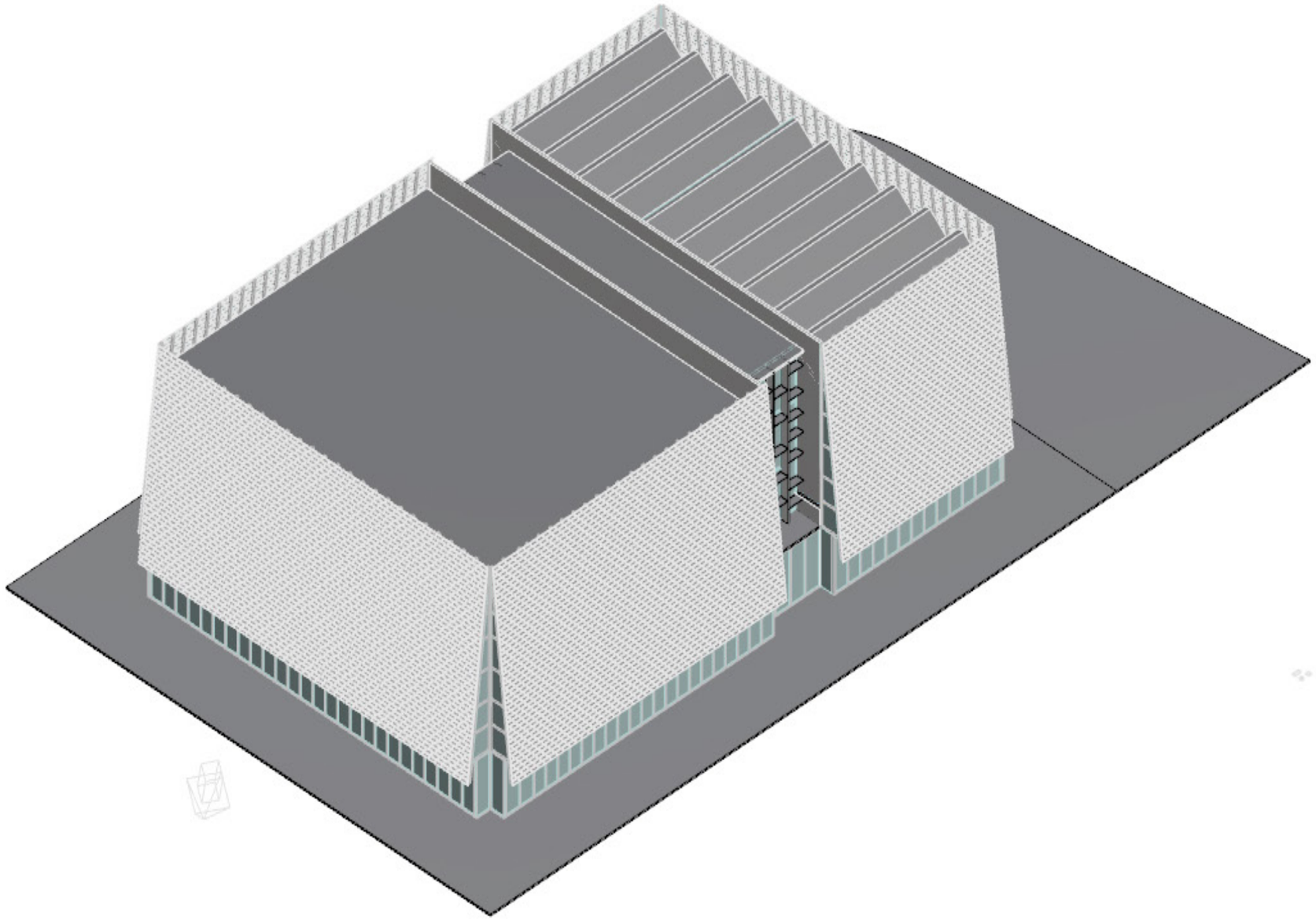


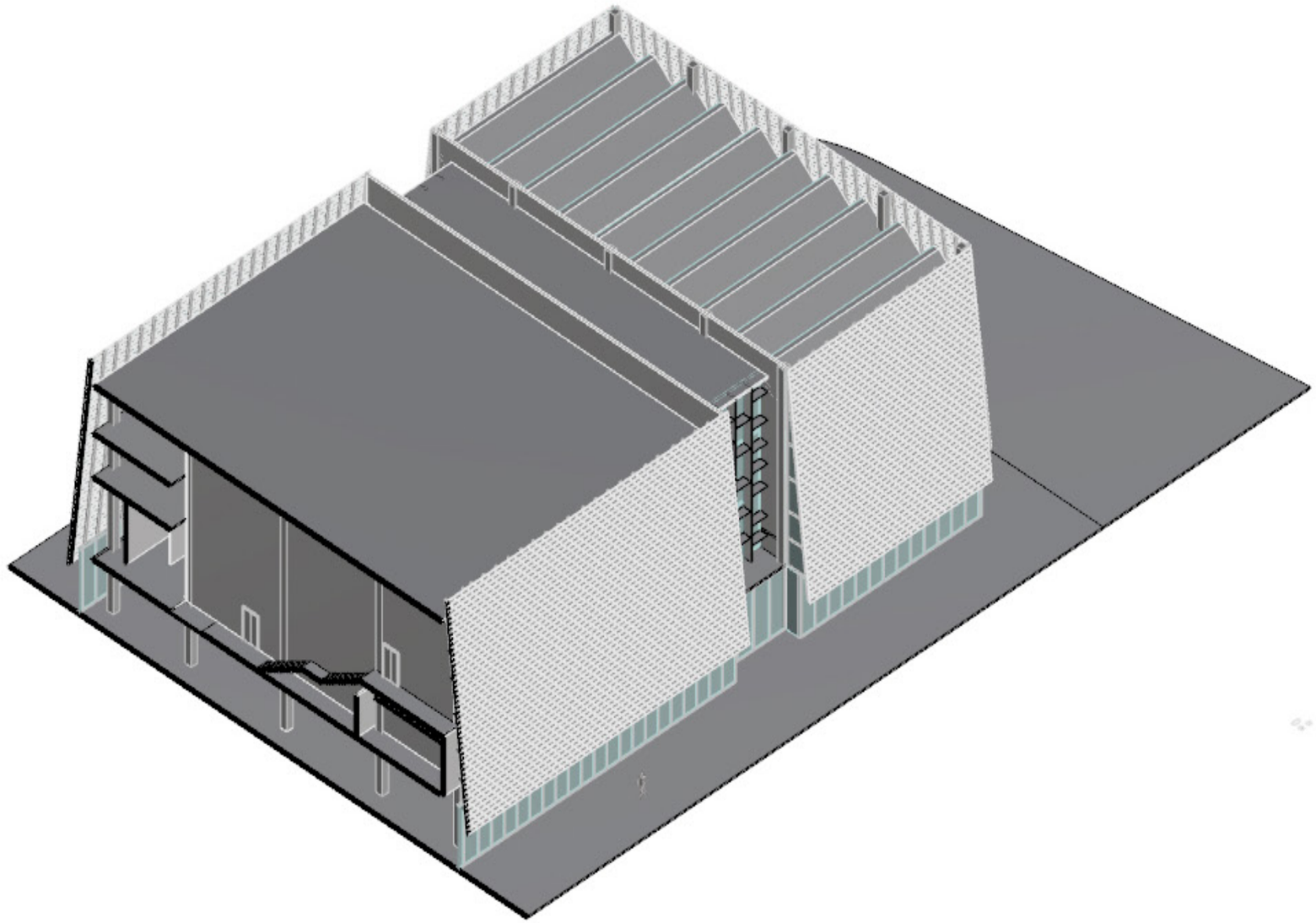
Overall building height 18.5m (6.0 + 12.5m)


Conference
Pre-function
Gymnasium
Cafeteria / prefunction

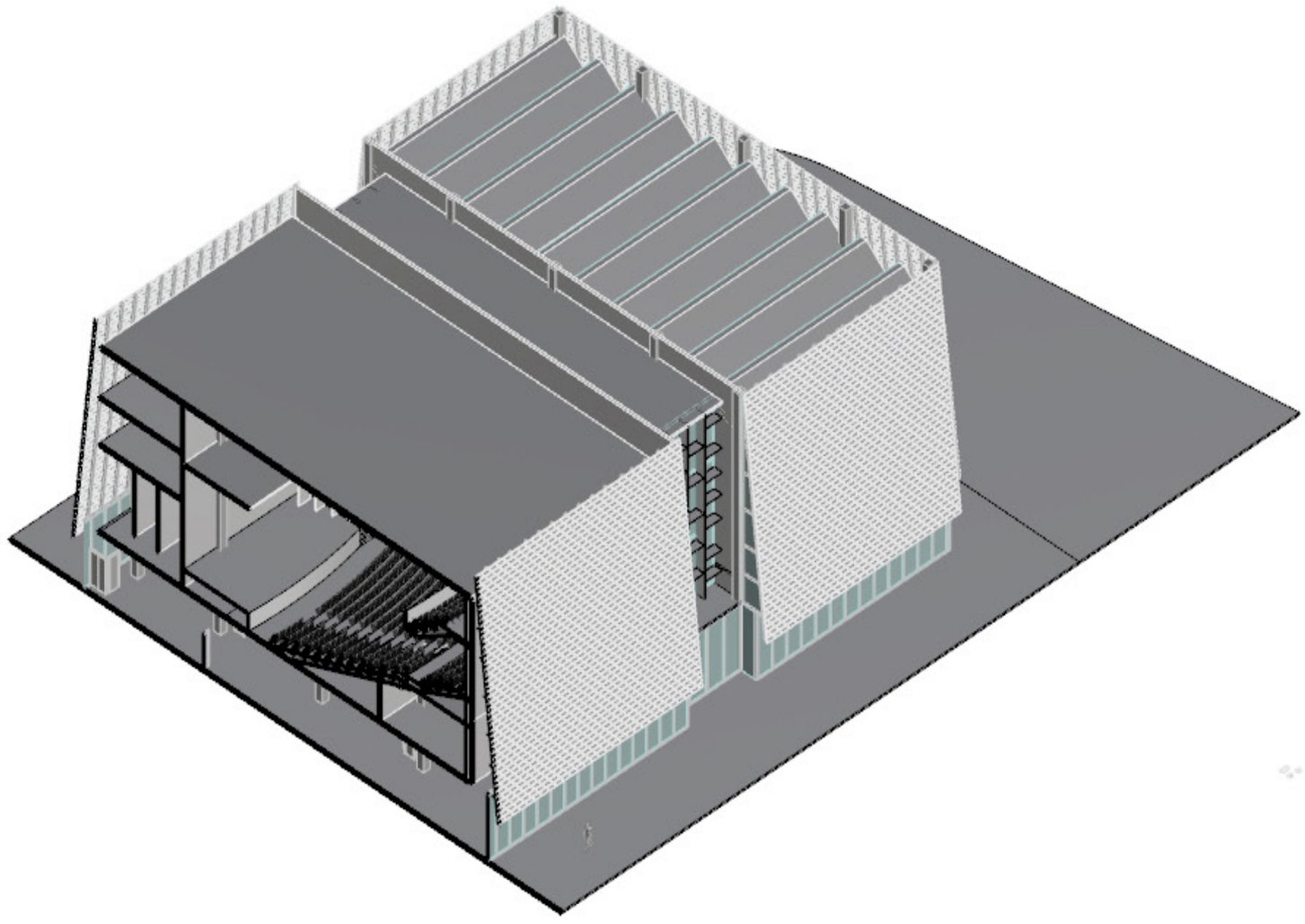

Badmintion courts
Auditorium
Table tennis courts 5 Nos.


Badminton courts
Toilets for Auditorium & MEP
Auditorium Balcony



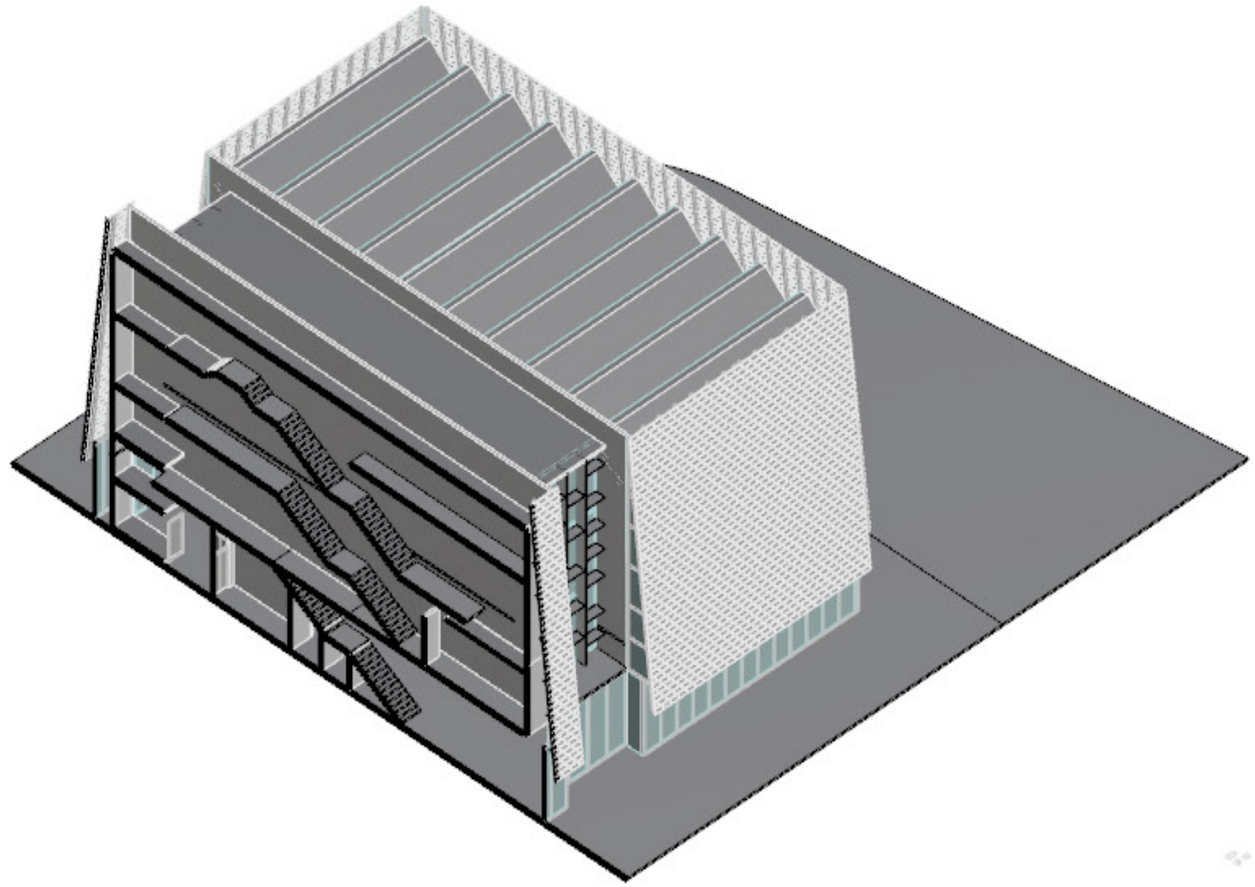



Z
Y
X

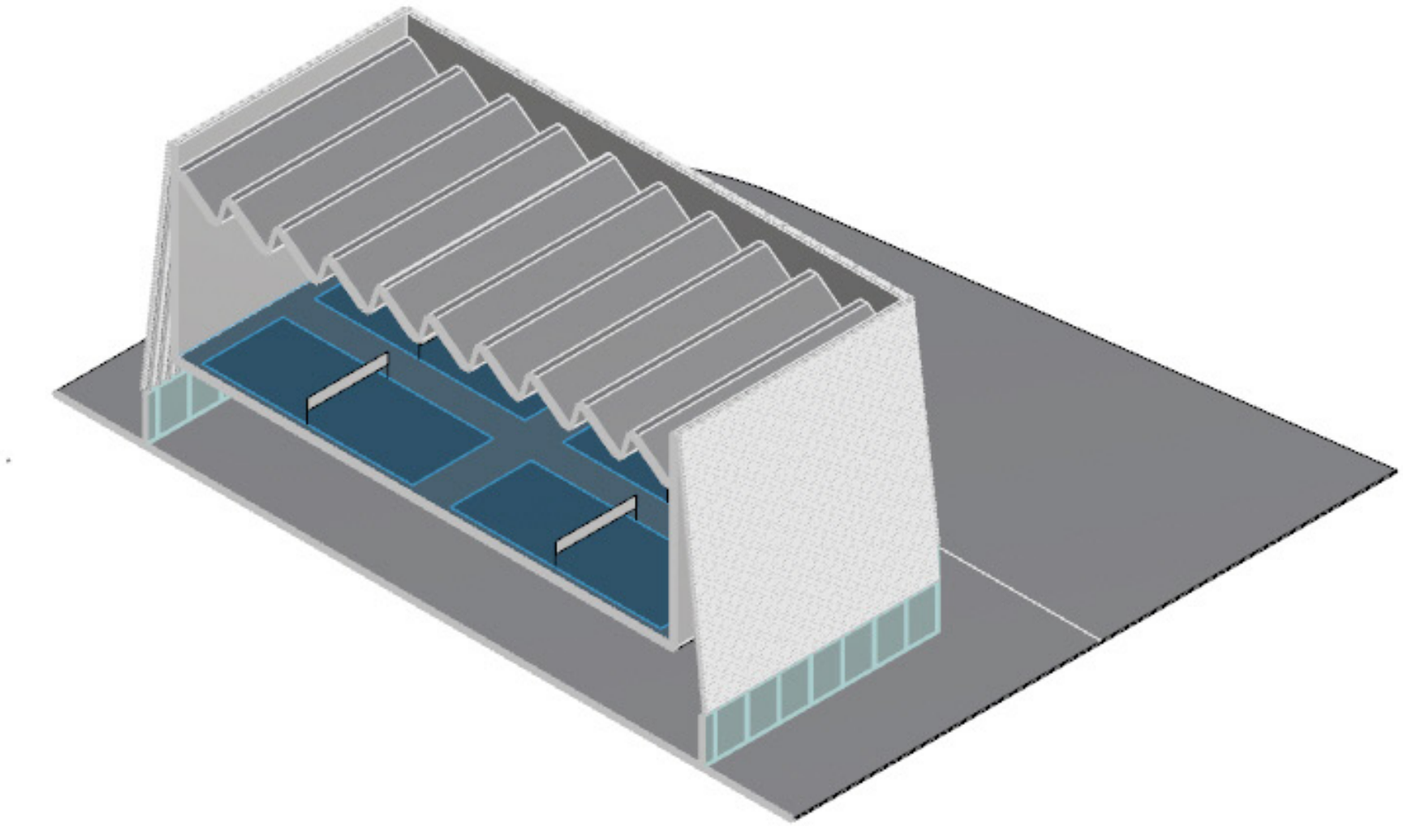



Z
Y
X

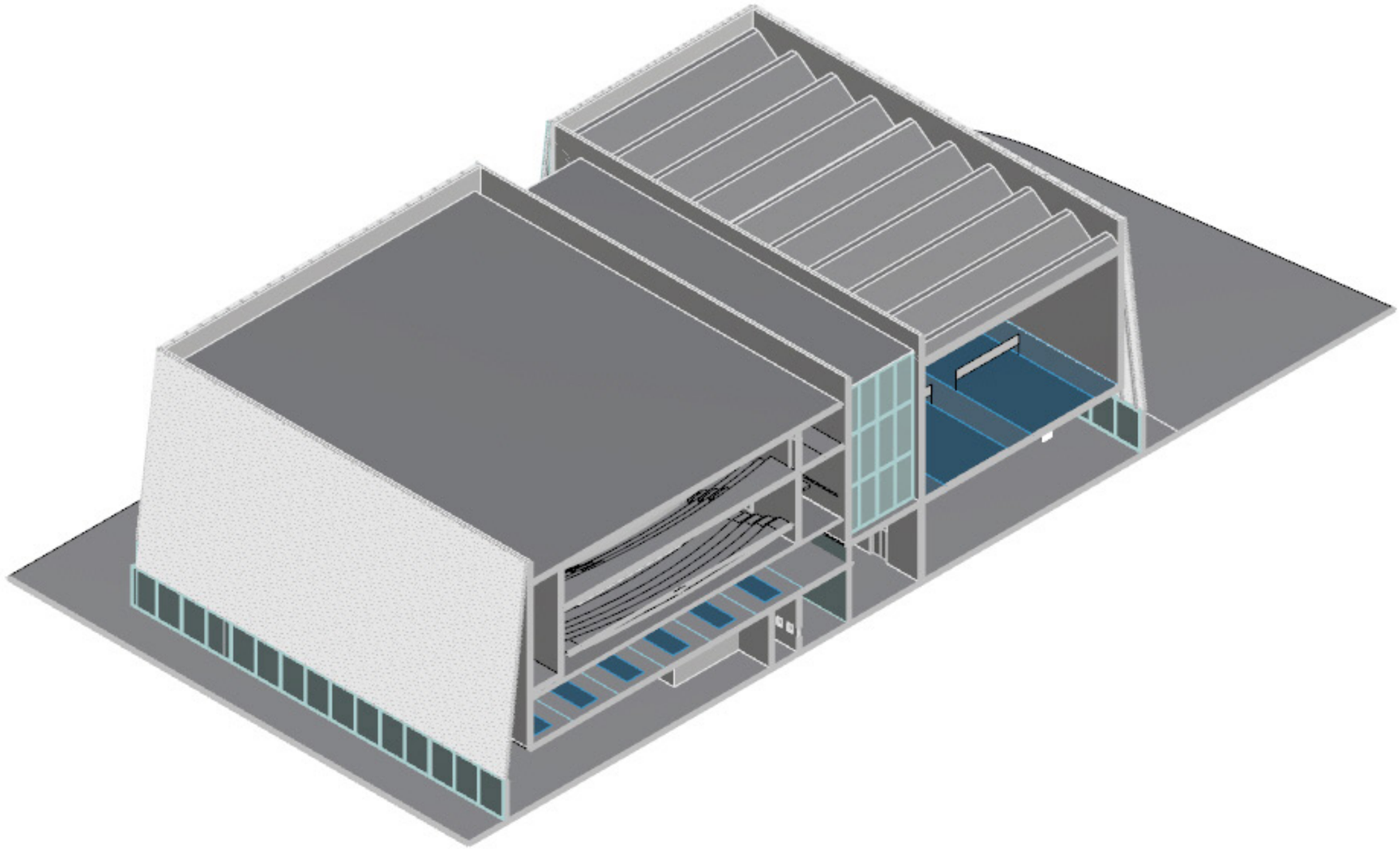
Section_through central bay

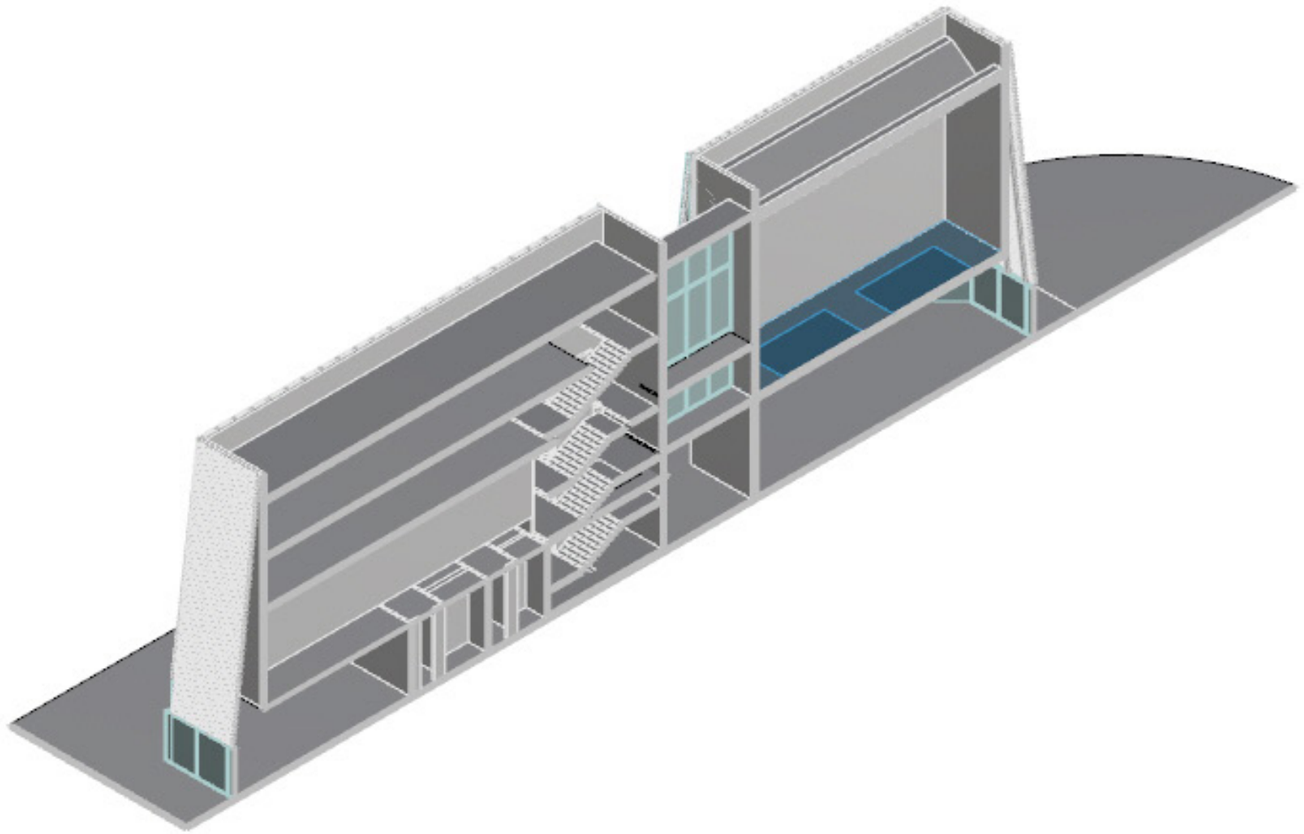


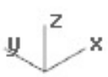


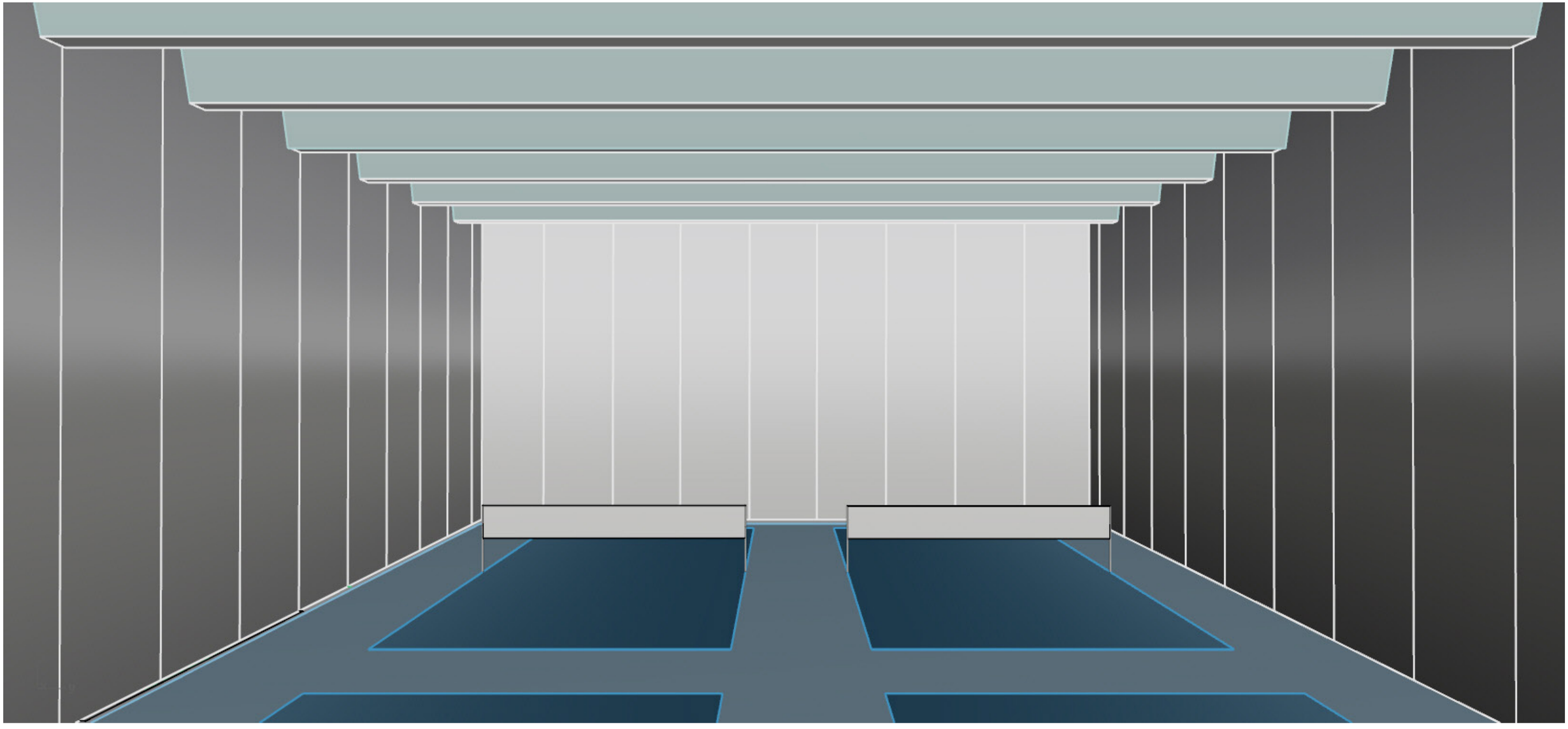


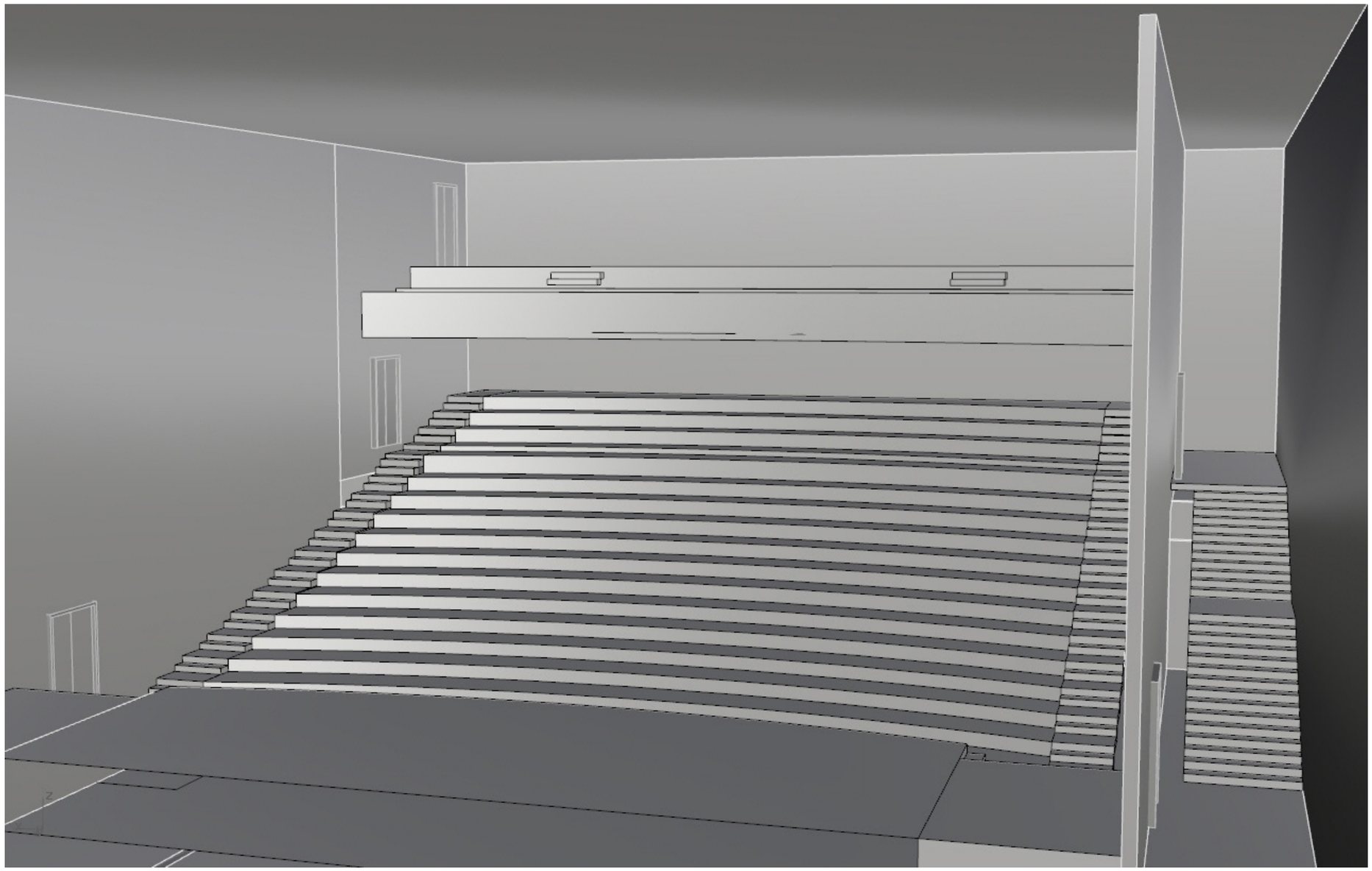
AM1 PAV
SERIE AF
14 FEBRI

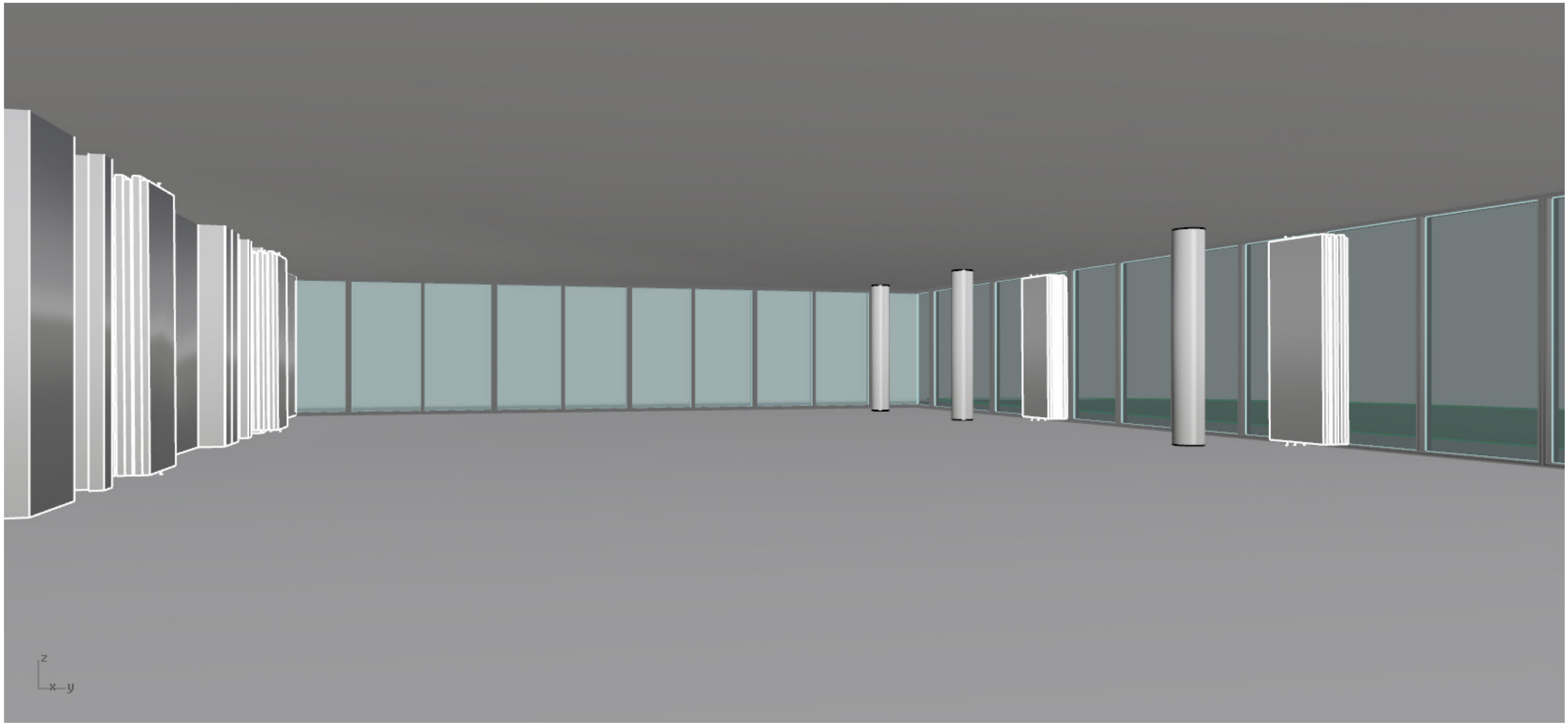

Z
Y
X



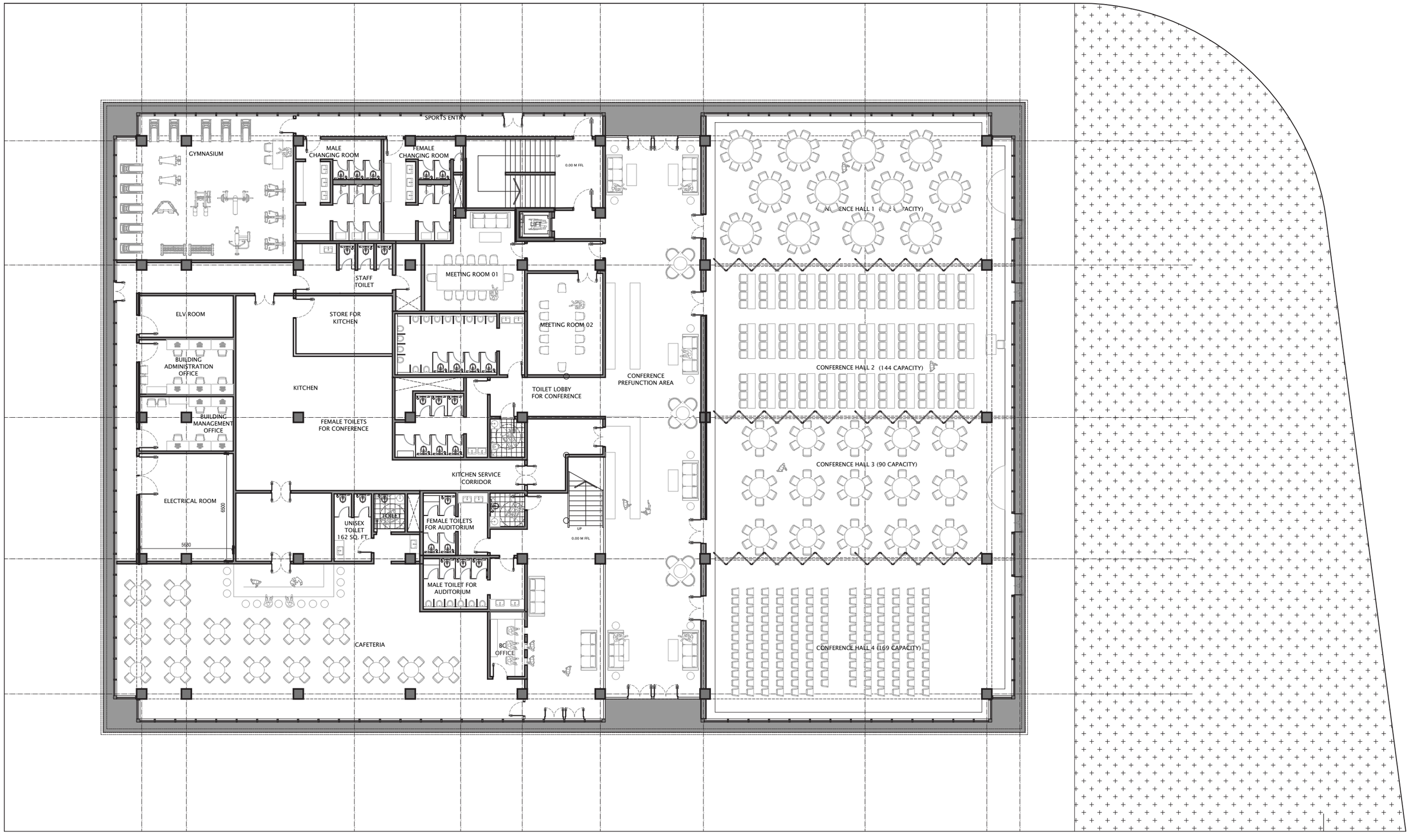

Z
Y
X



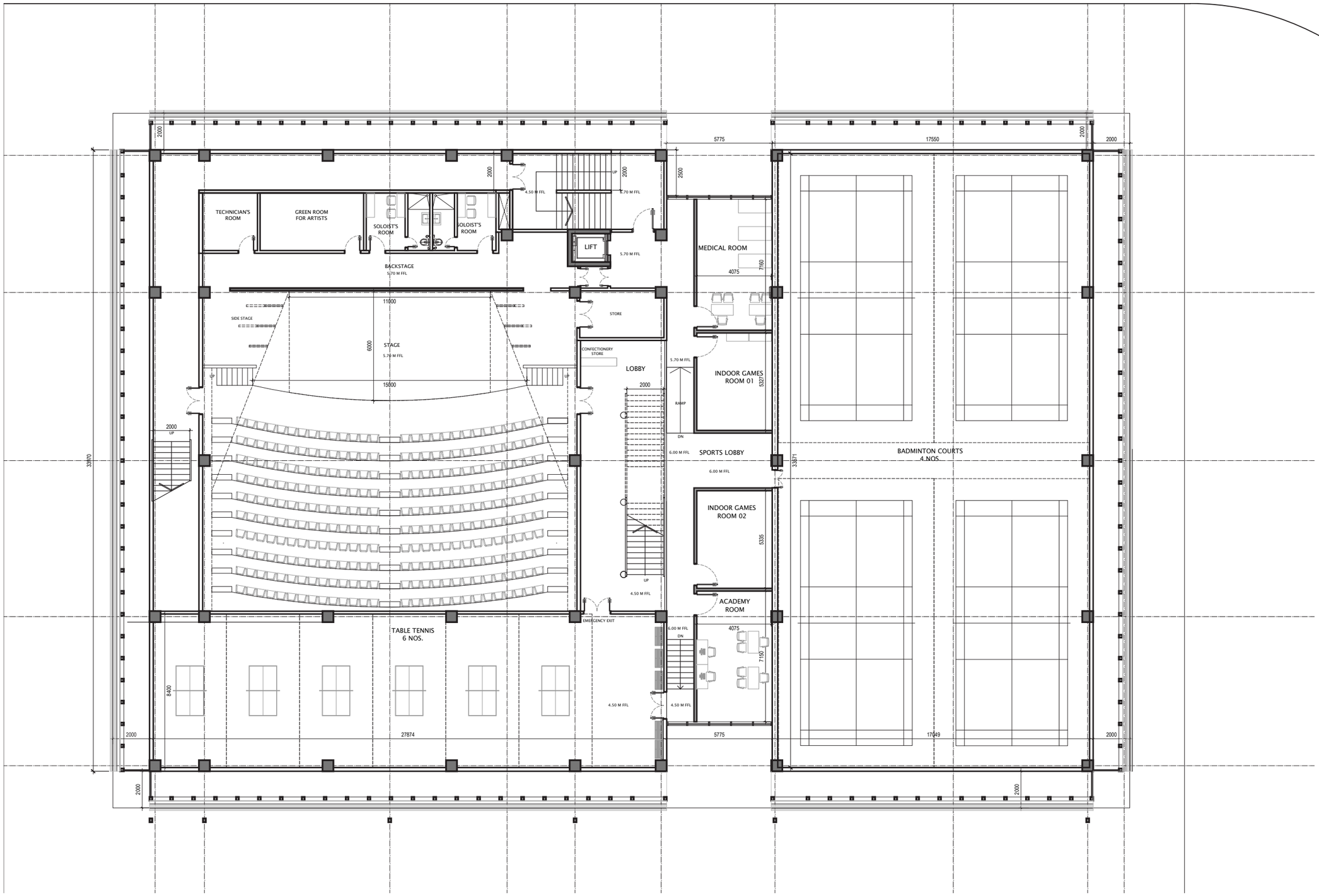



z
x
y

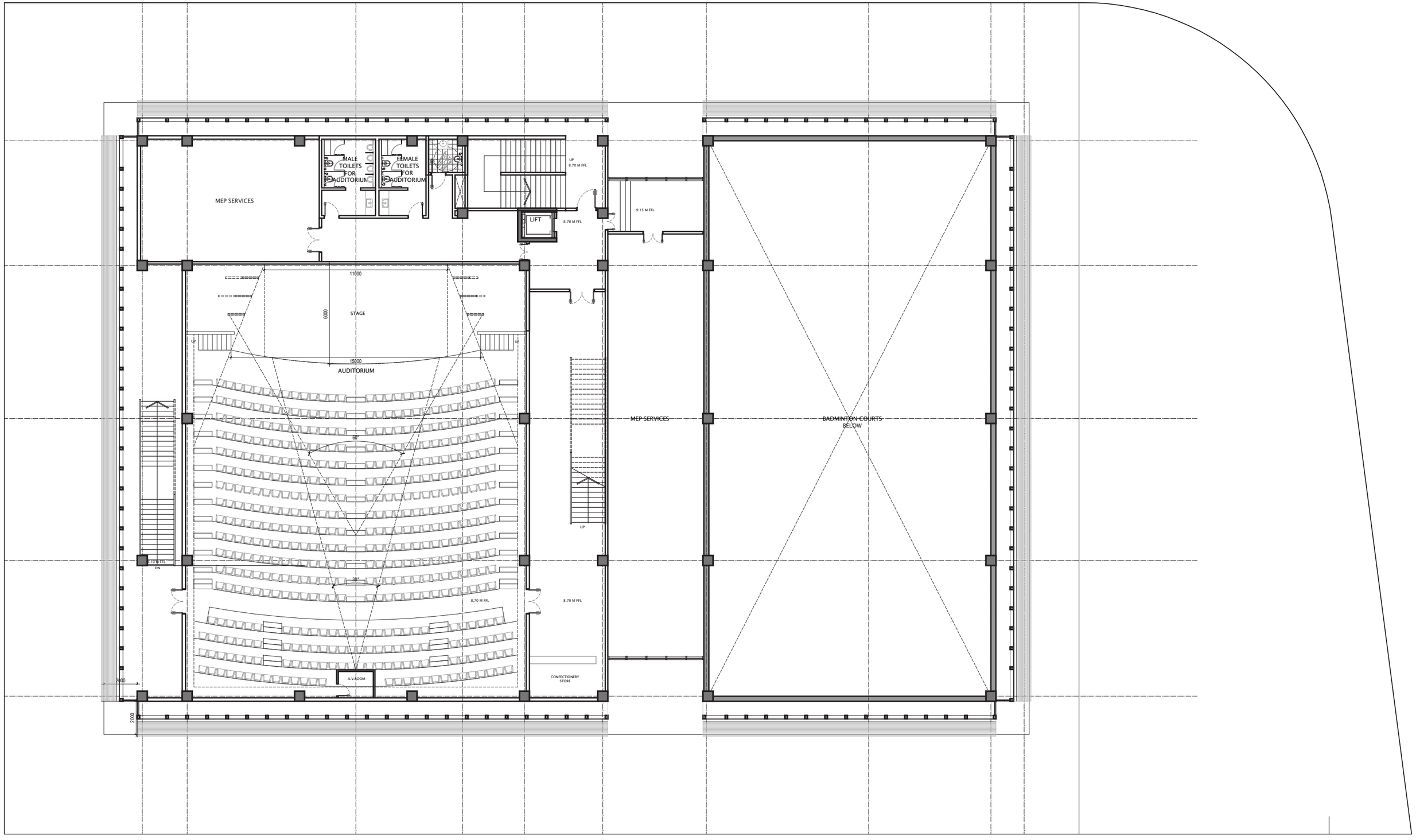
Drawings

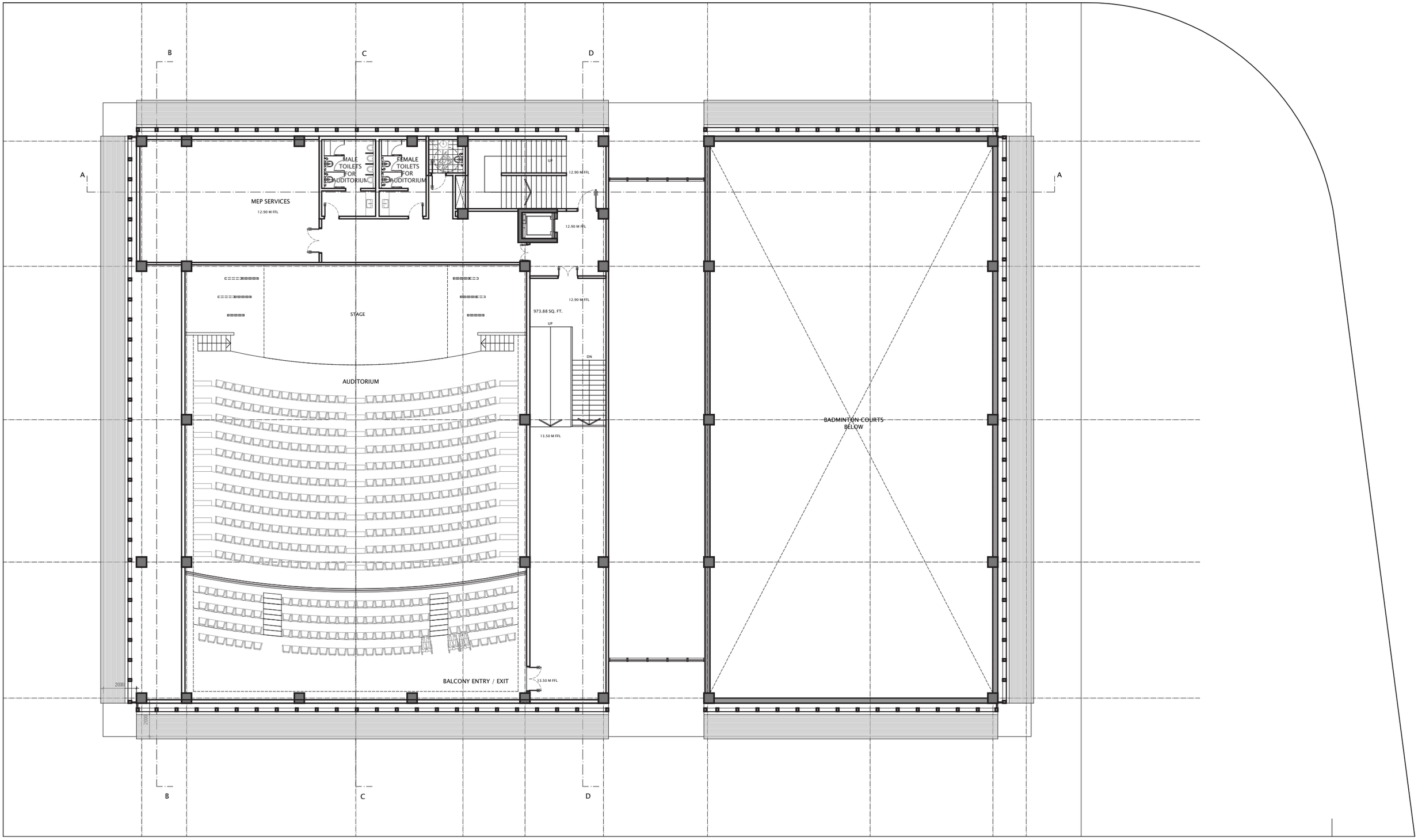

SPORTS ENTRY
GYMNASIUM
MALE CHANGING ROOM
FEMALE CHANGING ROOM
UP
0.00 M FFL
LIFT
CONFERENCE HALL 1 (288 CAPACITY)
MEETING ROOM 01
STAFF TOILET
ELV ROOM
STORE FOR KITCHEN
MEETING ROOM 02
CONFERENCE PREFUNCTION AREA
CONFERENCE HALL 2 (144 CAPACITY)
BUILDING ADMINISTRATION OFFICE
KITCHEN
TOILET LOBBY FOR CONFERENCE
BUILDING MANAGEMENT OFFICE
FEMALE TOILETS FOR CONFERENCE
KITCHEN SERVICE CORRIDOR
CONFERENCE HALL 3 (90 CAPACITY)
ELECTRICAL ROOM
6500
5680
UNISEX TOILET 162 SQ. FT.
TOILET
FEMALE TOILETS FOR AUDITORIUM
UP
0.00 M FFL
MALE TOILET FOR AUDITORIUM
CAFETERIA
BC OFFICE
CONFERENCE HALL 4 (169 CAPACITY)

Plan @ Level 01

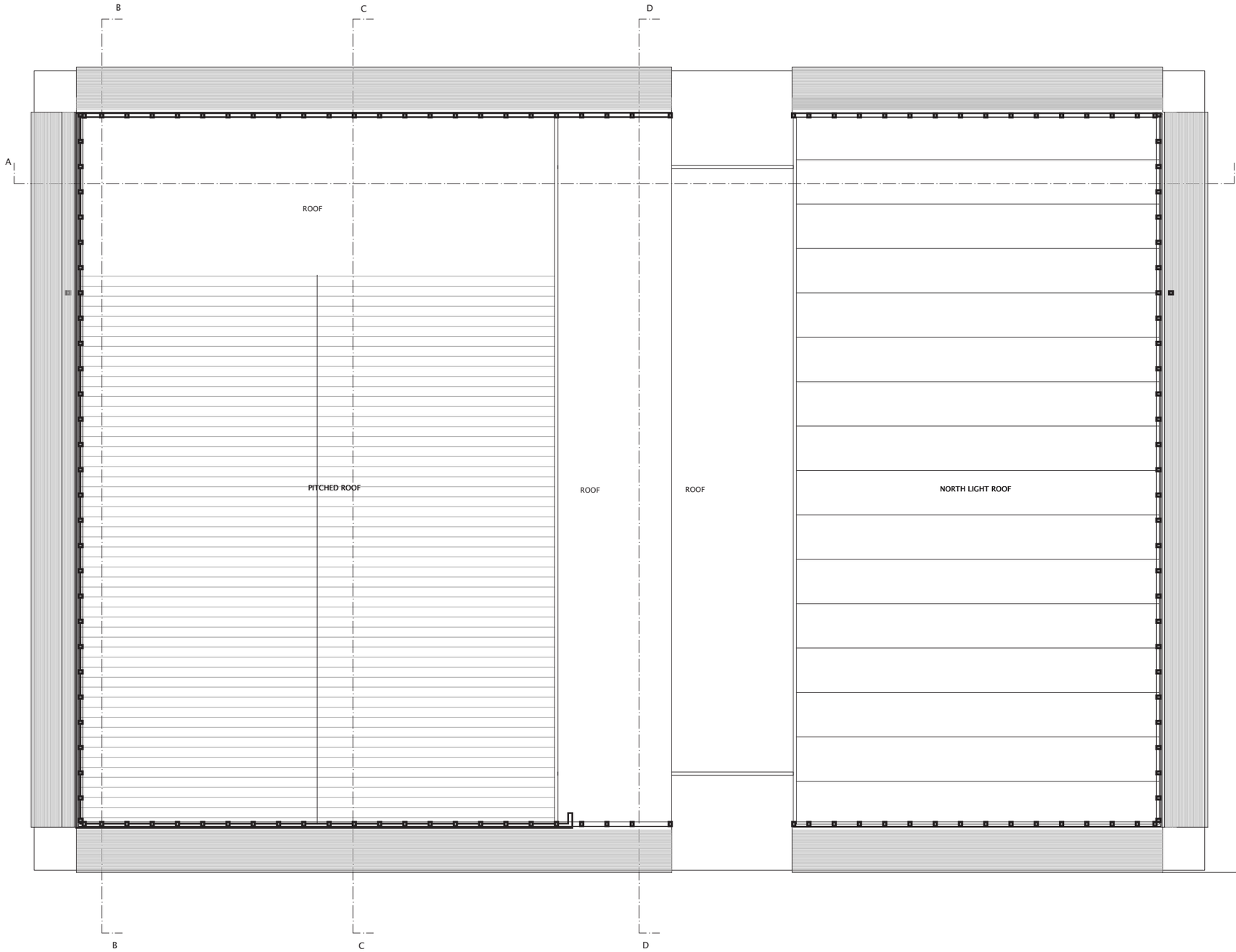


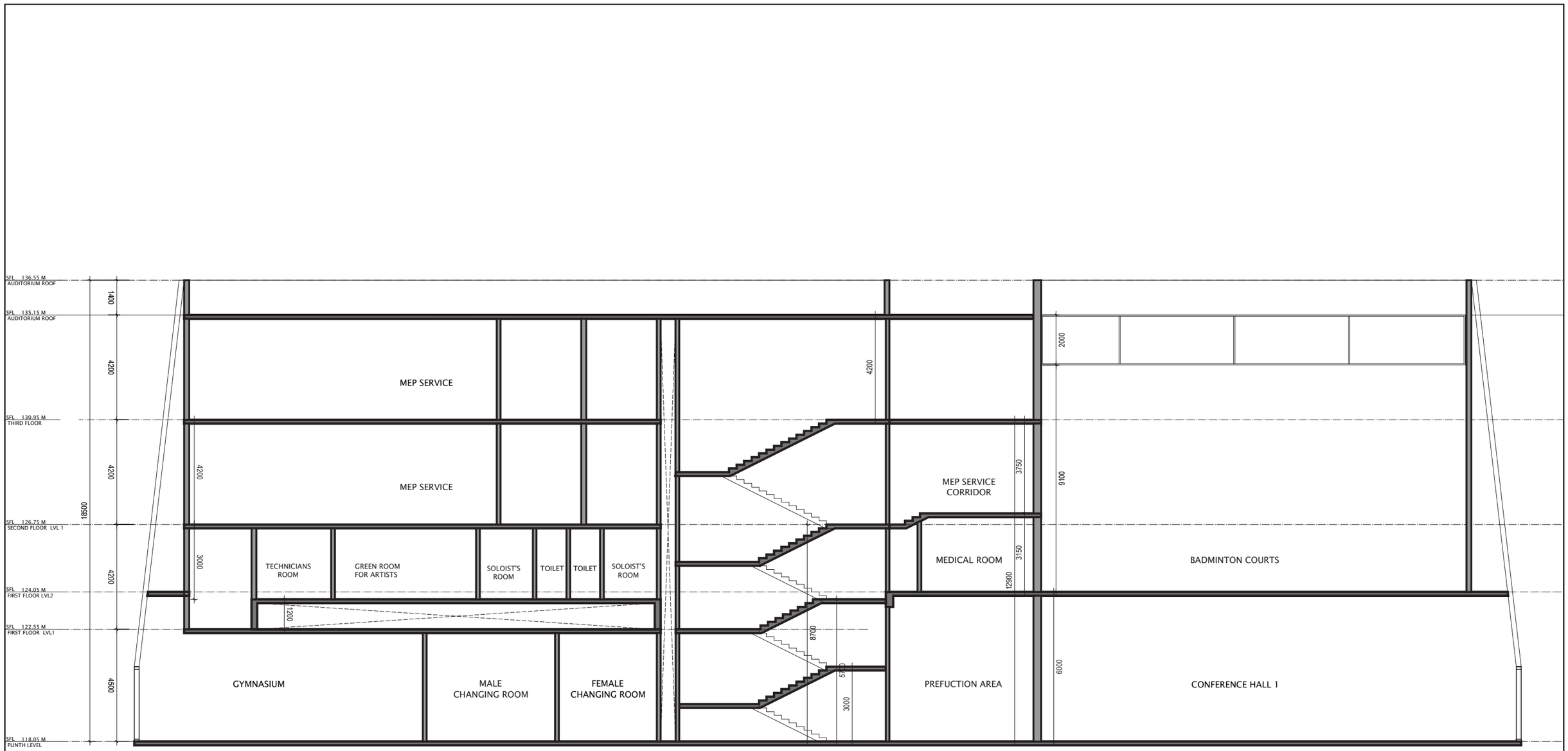
Plan @ Level 02

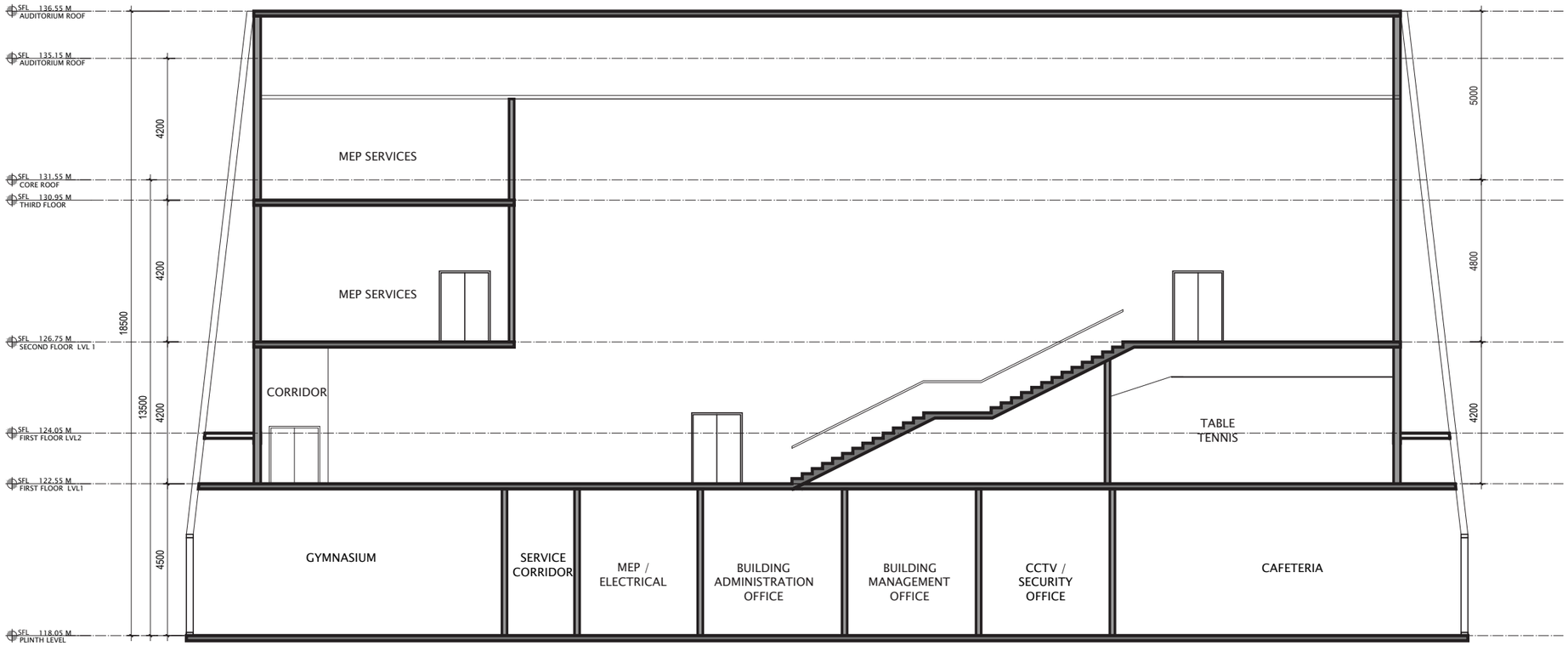


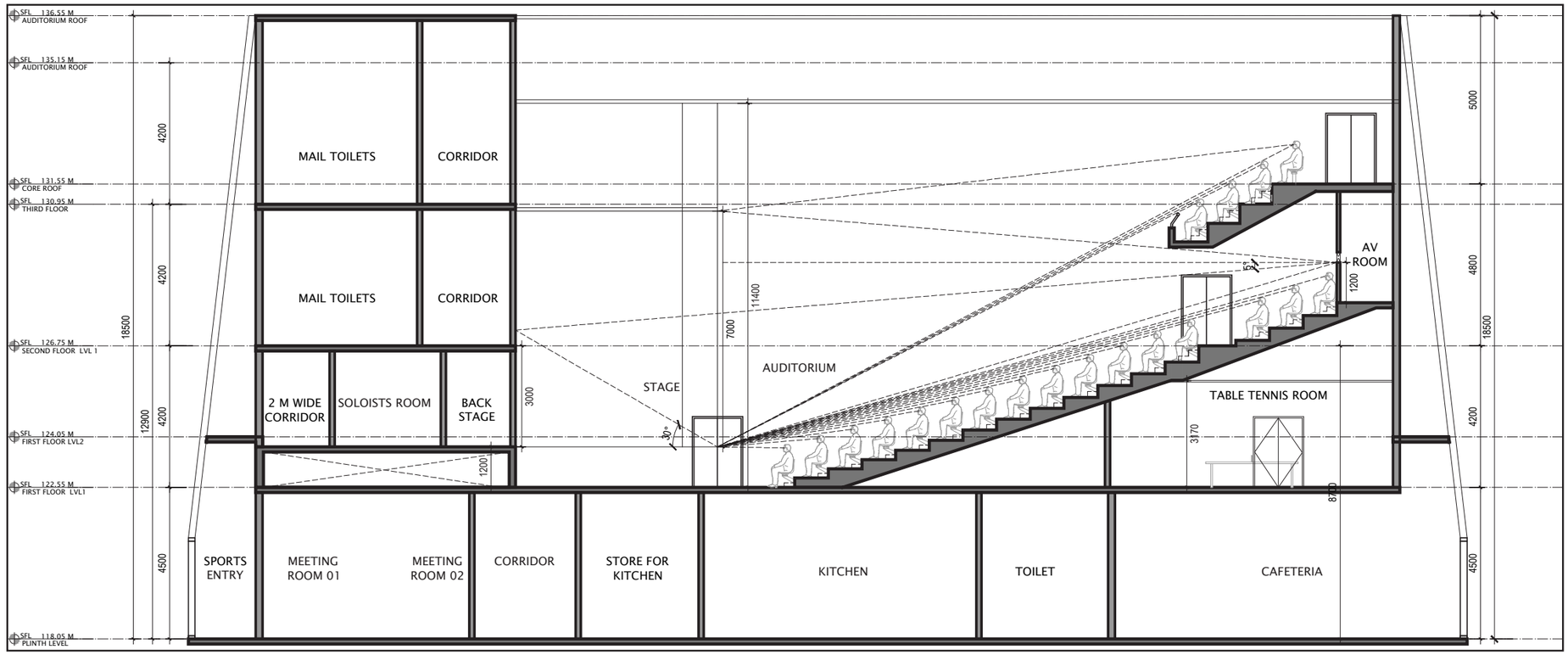

B
C
D
A
MALE TOILETS FOR AUDITORIUM
FEMALE TOILETS FOR AUDITORIUM
MEP SERVICES
12.90 M FFL
STAGE
AUDITORIUM
973.88 SQ. FT.
UP
DN
13.50 M FFL
BALCONY ENTRY / EXIT
BADMINTON COURTS BELOW
2000
2000

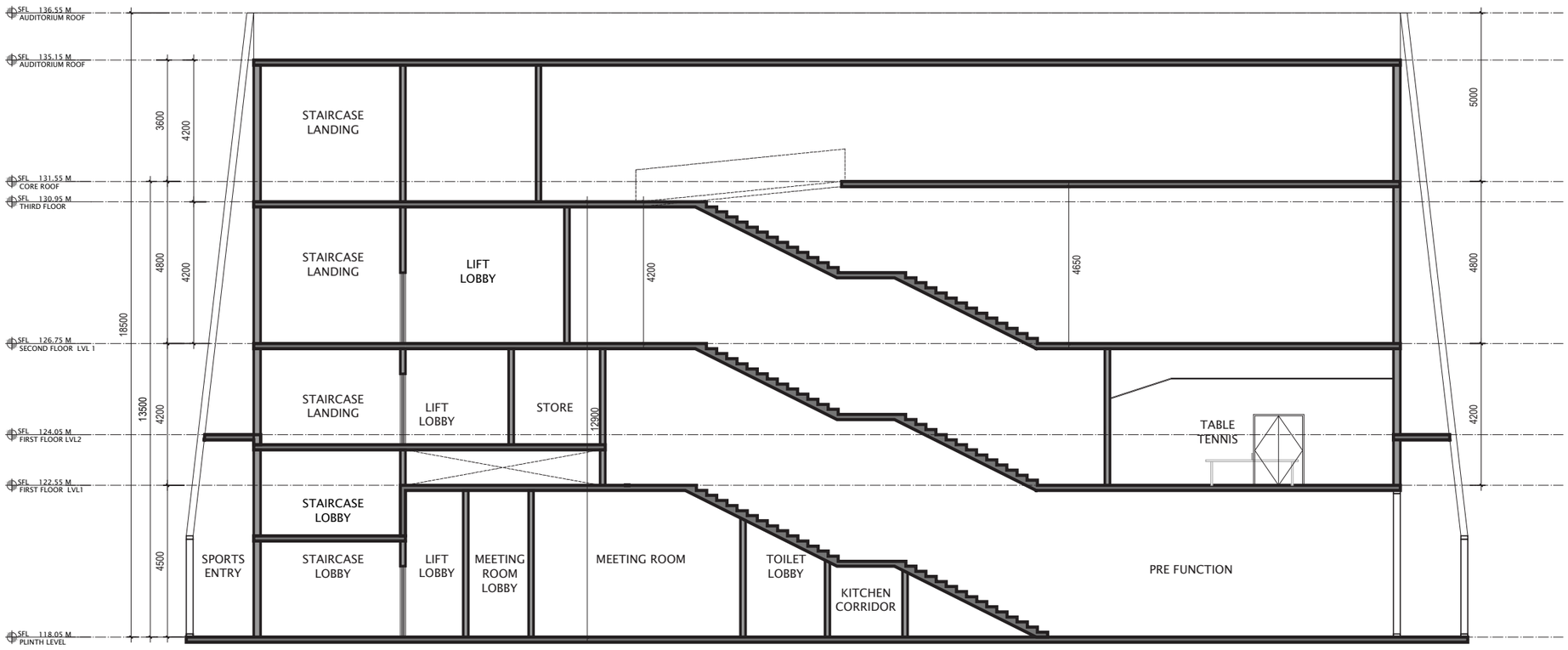
Plan @ Roof level

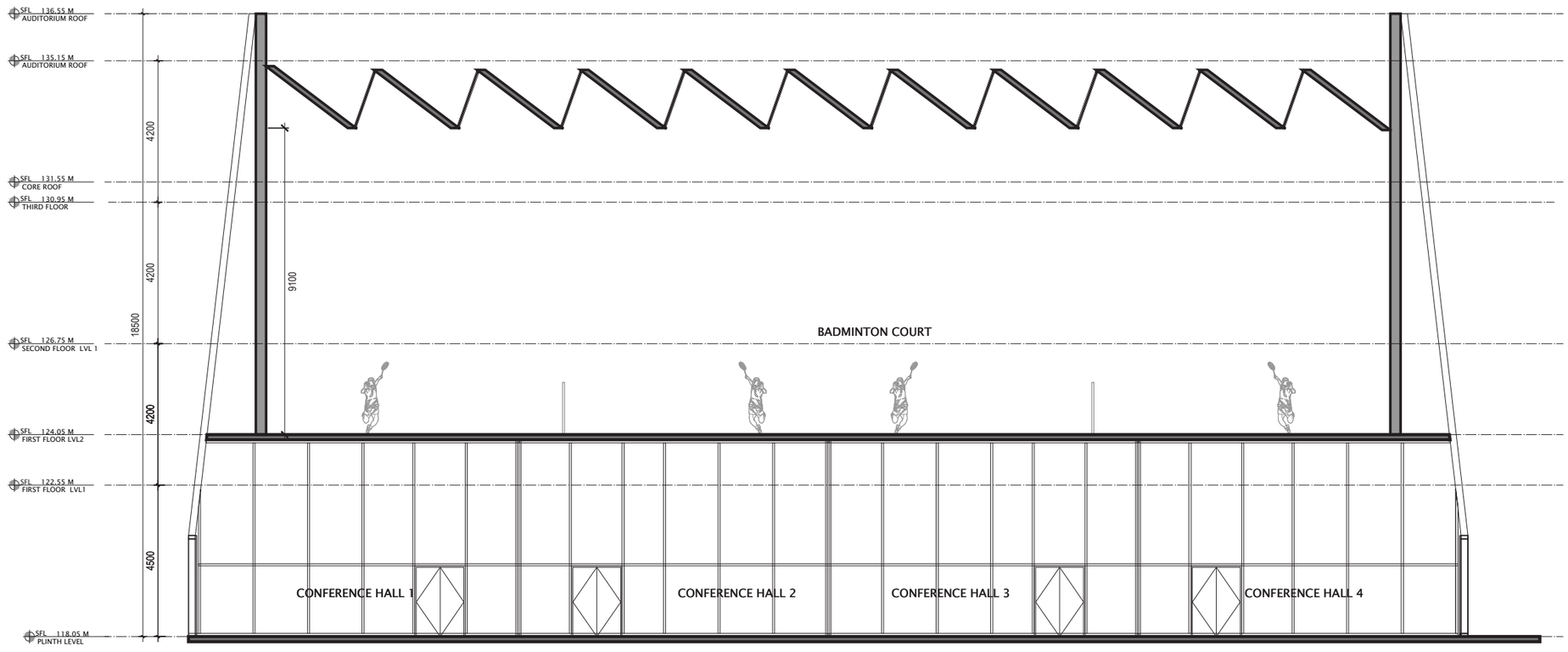



SFL 136.55 M
AUDITORIUM ROOF
SFL 135.15 M
AUDITORIUM ROOF
SFL 130.95 M
THIRD FLOOR
SFL 126.75 M
SECOND FLOOR LVL 1
SFL 124.05 M
FIRST FLOOR LVL2
SFL 122.55 M
FIRST FLOOR LVL1
SFL 118.05 M
PLINTH LEVEL
1400
4200
4200
4200
4500
18500
MEP SERVICE
MEP SERVICE
4200
3000
4200
TECHNICIANS ROOM
GREEN ROOM FOR ARTISTS
SOLOIST'S ROOM
TOILET
TOILET
SOLOIST'S ROOM
GYMNASIUM
MALE CHANGING ROOM
FEMALE CHANGING ROOM
4200
MEP SERVICE CORRIDOR
3750
MEDICAL ROOM
3150
12900
8700
5700
3000
PREFUCTION AREA
2000
9100
BADMINTON COURTS
6000
CONFERENCE HALL 1


SFL 136.55 M
AUDITORIUM ROOF
SFL 135.15 M
AUDITORIUM ROOF
SFL 131.55 M
CORE ROOF
SFL 130.95 M
THIRD FLOOR
SFL 126.75 M
SECOND FLOOR LVL 1
SFL 124.05 M
FIRST FLOOR LVL2
SFL 122.55 M
FIRST FLOOR LVL1
SFL 118.05 M
PLINTH LEVEL
18500
4200
4200
13500
4200
4500
5000
4800
4200
MEP SERVICES
MEP SERVICES
CORRIDOR
TABLE
TENNIS
GYMNASIUM
SERVICE
CORRIDOR
MEP /
ELECTRICAL
BUILDING
ADMINISTRATION
OFFICE
BUILDING
MANAGEMENT
OFFICE
CCTV /
SECURITY
OFFICE
CAFETERIA


SFL 136.55 M
AUDITORIUM ROOF
SFL 135.15 M
AUDITORIUM ROOF
SFL 131.55 M
CORE ROOF
SFL 130.95 M
THIRD FLOOR
SFL 126.75 M
SECOND FLOOR LVL 1
SFL 124.05 M
FIRST FLOOR LVL2
SFL 122.55 M
FIRST FLOOR LVL1
SFL 118.05 M
PLINTH LEVEL
4200
4200
18500
12900
4200
4500
MAIL TOILETS
CORRIDOR
MAIL TOILETS
CORRIDOR
2 M WIDE CORRIDOR
SOLOISTS ROOM
BACK STAGE
3000
1200
STAGE
30°
11400
7000
AUDITORIUM
AV ROOM
1200
TABLE TENNIS ROOM
3170
8700
5000
4800
18500
4200
4500
SPORTS ENTRY
MEETING ROOM 01
MEETING ROOM 02
CORRIDOR
STORE FOR KITCHEN
KITCHEN
TOILET
CAFETERIA


SFL 136.55 M
AUDITORIUM ROOF
SFL 135.15 M
AUDITORIUM ROOF
SFL 131.55 M
CORE ROOF
SFL 130.95 M
THIRD FLOOR
SFL 126.75 M
SECOND FLOOR LVL 1
SFL 124.05 M
FIRST FLOOR LVL2
SFL 122.55 M
FIRST FLOOR LVL1
SFL 118.05 M
PLINTH LEVEL
18500
13500
4500
3600
4200
4800
4200
4200
4200
4200
12900
4650
5000
4800
4200
STAIRCASE LANDING
STAIRCASE LANDING
LIFT LOBBY
STAIRCASE LANDING
LIFT LOBBY
STORE
STAIRCASE LOBBY
SPORTS ENTRY
STAIRCASE LOBBY
LIFT LOBBY
MEETING ROOM LOBBY
MEETING ROOM
TOILET LOBBY
KITCHEN CORRIDOR
TABLE TENNIS
PRE FUNCTION


SFL 136.55 M
AUDITORIUM ROOF
SFL 135.15 M
AUDITORIUM ROOF
SFL 131.55 M
CORE ROOF
SFL 130.95 M
THIRD FLOOR
SFL 126.75 M
SECOND FLOOR LVL 1
SFL 124.05 M
FIRST FLOOR LVL2
SFL 122.55 M
FIRST FLOOR LVL1
SFL 118.05 M
PLINTH LEVEL
4200
4200
18500
4200
4500
9100
BADMINTON COURT
CONFERENCE HALL 1
CONFERENCE HALL 2
CONFERENCE HALL 3
CONFERENCE HALL 4

PALAVA SPORTS, AUDITORIUM & CONFERENCE AM1			
	AMENITIES PLOT	SQM	SQ. FT
	Net plot area	4000	43056
	Recreational ground (20%)	800	8611
	Plot available for development	3200	34445
	Permissible BUA (net plot area x 2)	8000	86112
NOS	**BUILDING & PROGRAM**	**TOTAL AREA (SQ. M)**	**TOTAL AREA (SQ. FT)**
A	**AUDITORIUM**		
1	Seating area + Stage (For 484 seats)	399.47	4300
2	Backstage + Green rooms+ Toilets	91.042	980
3	Spill over area on upper floor	122.16	1315
3	Toilets		300
4	CCTV & Security room	9.7545	105
5	Store room	16.2575	175
8	Spill over area on first floor	74.32	800
	Total	**713.01**	**7975**
B	**CONFERENCE**		
1	Conference room (divisible into 4 parts)	778.04	8375
2	Circulation & Pre-function	344.66	3710
3	Meeting Room 01	75.71	815
4	Meeting Room 02	46.45	500
	Total	**1244.86**	**13400**
C	**BADMINTON ACADEMY + TT**		
1	Badminton courts (4 nos)	293.56	3160
2	TT tables (4 nos)	184.87	1990
3	Flexible seating	-	-
4	Gymnasium	94.76	1020
5	Changing room & Toilets	90.58	975
6	Medical Room	16.26	175
7	Coaches Room	27.87	300
8	Circulation on Sports First floor	203.451	2190
9	Circulation on Sports Second floor	63.36	682
	Total	**974.71**	**10492**
D	**SUPPORT**		
1	Cafeteria (for 60-100 seats)	285.48	3073
2	Kitchen for caféteria	72.46	780
3	Kitchen for external catering	56.67	610
4	Toilets (as per NBC for 1700 people)	38.55	415
5	Building management office	31.12	335
6	Administration office	37.62	405
7	Storage room Ground floor	37.16	400
8	MEP Services	53.88	580
	Total	**559.07**	**6598**
E	**TOTAL CARPET AREA**	**3491.65**	**38465**
F	**MISCELLANEOUS**		
1	Circulation area (@25 % of program area)	893.35	9616
2	Service area (@5% of program area)	178.67	1923
3	Walls & Structure (@10% of program area)	357.34	3847
4	Vertical Circulation	142.60	1535
G	**TOTAL BUA**	**4170.26**	**45770**

Prepared for:

LODHA GROUP

Mumbai

Serie Architects Mumbai

317, A-Z Industrial Estate

G.K. Road, Lower Parel

Mumbai 400013

India

+91 22 40046952

info@serie.co.in

Serie Architects London

Unit 2P Leroy House

436 Essex Road

London, N1 3QP

United Kingdom

+44 (0) 207 22 600 22

info@serie.co.uk