

Project: Sport & Youth hub

Space program

General standards for calculation:

Components		Notes	Reference
Toilets	Players	Each 6 one toilet	<i>Time saver standards for building types</i>
	Spectators	Each 40 one toilet	
Lockers		Each player should have a locker	<i>Time saver standards for building types</i>
Dressing room		Each person 1.32 m ²	<i>Time saver standards for building types</i>
showers		Each 3 player one shower	<i>Time saver standards for building types</i>

Indoor activities

1- Main Lobby		Notes
Foyer & waiting area	-	
control	25 m ²	
toilets	Each 40 person =one toilet	
Reception	36 m ²	

2- Swimming pool (Olympic)		Notes
A- Athletes		
Entrance & lobby	-	
Indoor pool	25 * 50= 1250 m ²	
Diving pool	12 * 16= 192 m ²	
Changing room	100 m ²	
Lockers		According to standard
showers		According to standard
toilets		According to standard
Life guard	6 m ²	
First aid	8 m ²	
store	20 m ²	
Structure & circulation		30% of total area

B- Spectators -- 400 person		
Entrance & waiting area	-	
Ticket purchase	12 m ²	
Stage for spectators		0.5*0.8 (area required for each person) -- 400 persons
toilets	400 person/40= 10 w.c.	
C- Referee		
Entrance	-	
Referee room with toilets	20 m ²	

3- Multi-Purpose hall		Notes
A- Athletes		
Entrance & lobby	-	
Main Hall (basketball, volleyball, hand ball)	22*44=968 m ²	According to standard
Changing room	42 m ²	
Lockers		According to standard
showers		According to standard
toilets		According to standard
Trainer's room /2	2 * 20 m ²	
Structure & circulation		30% of total area

B- Spectators -- 400 person		
Entrance & waiting area	-	
Ticket purchase	12 m ²	
Stage for spectators		0.5*0.8 (area required for each person) -- 400 persons
toilets	400 person/40= 10	
C- Referee		
Entrance	-	
Referee room with toilets	20 m ²	

4- Spa		Notes
Lobby	-	
Changing room	18 m ²	
Lockers	10m ²	
showers	12 m ²	
toilets	4 w.c.	
staff	12 m ²	
massaging	18 m ²	
relaxation	12 m ²	
sauna	20 m ²	
Plunge pool- cooling off	20 m ²	
Steam room	20 m ²	
Structure & circulation		30% of total area

5- Gym (Fitness)		Notes
lobby	-	
Main fitness hall	200 m ²	
Apparatus hall	90 m ²	
Floor gymnastic hall	180 m ²	
Trainer room	20 m ²	
locker	10 m ²	
toilet	4 w.c.	
shower	15 m ²	
Cleaning room	20 m ²	
Children play ground	100 m ²	
Structure & circulation		30% of total area

6- Cafeteria		Notes
Seating area	600 m ²	
kitchen	160 m ² (ready food preparation)	
Store /3	30 m ² (cold, dry, waste)	
First aid	10 m ²	
Employee dining	30 m ²	
Changing room	20 m ²	
Lockers /showers	20 m ²	
toilets	4 w.c.	
Structure & circulation		30% of total area

7- Youth hub & recreational activity		Notes
Reception & lobby	-	
A- Music area (music zone, podcast studio, sound recording studio, green screen studio)	200 m ²	
B- Game zone Game lounge	60 m ²	
C- Library Zone & book cafe sitting couch, book shelves	300 m ²	
D- Presentation room	100 m ²	
E- Other Activities		
Creativity room +idea	80 m ²	
Debate room	150 m ²	
PC zone (8 computers)	50 m ²	
Toilets & lavatory		
Structure & circulation		30% of total area

8- Administration		Notes
Entrance & lobby	-	
office	25 m ²	
control	12 m ²	
First aid	8 m ²	
Employee room	20 m ²	
Locker/ shower	20 m ²	
toilet	3 w.c.	
Structure & circulation		30% of total area

9- Mechanical facilities		Notes
ventilation	200 m ²	
Heating & cooling system		
boilers		
Swimming pool mechanical services including (overflow water system, water circulation, heating water...etc)	200 m ²	
Structure & circulation		30% of total area

Outdoor activities

Outdoor activities		Notes
Training fields contains (basketball, volley ball, and handball)-in one field	1 no.	
Tennis court	4 no.	
Green areas	-	According to design
Parking for spectators	100 cars	
Parking for players & staff	12 cars	