Leisure center in Mehring City, Germany

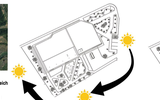
ng different facilities for leisure activities, such as a sports hall, a swimming pool, and rooms for meetings. They carry
ming leisure center facilities and act as swimming pool lifeguards, gym instructors and coaches, offering advice, motivation,
overlap with that of a community center. The attributes of steel construction are well adapted for leisure facilities and are
mainly because it offers a cost-effective solution for bespoke, architecturally driven solutions such as stadia, as well as cost
sports halls. In addition, steel is a versatile and sustainable material which has no aesthetic appeal at both large and at
very important for projects that are constrained by site or planning restrictions, or for venues which may wish to add
ne example, grandstands for stadia hosting major sporting events. All sports stadia use steel construction as part of the

Mehring city

Transportation Ways

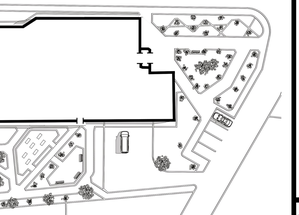
Plots near to the location

Sun direction



Wind direction

Master Plan Scale 1:500



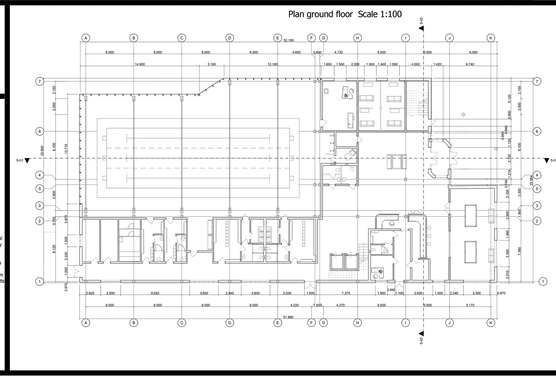
Plot Area			green area			
Area	Volume	Zone Name	Area	Volume	Zone Number
1,212.01	3,272.42	Constructed Area I	12.26	33.11	01
		Constructed Area II	34.93	94.31	02
		Roof I	78.14	57.82	03
		Roof II	34.00	67.79	05
1,324.76	3,576.85	Constructed Area I Pool	37.12	100.23	11
		Roof I Pool	37.12	100.23	12
3,786.51	10,223.59	Area of plot	51.26	138.39	03
			53.07	143.29	06
			98.80	266.77	02
6,323.28 m²	17,072.86 m³		131.64	355.42	04
			1,212.01 m²	3,272.42 m³	01
			638.50 m²	1,723.58 m³	02

Elevation Scale 1:100

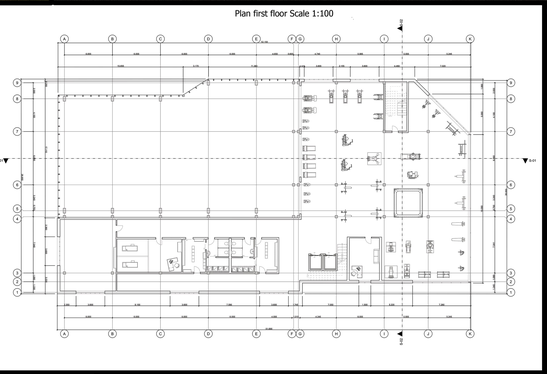
Elevation 2 Scale 1:200

Elevation 3 Scale 1:200

Plan ground floor Scale 1:100



Plan first floor Scale 1:100



Interoir GYM Hall

Interoir GYM Hall

Interoir Billiard Room

Oak tree in winter

Oak tree in Summer

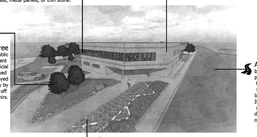
Oak tree in Autumn

Oak tree in Spring

Curtain wall
A curtain wall is defined as thin, usually aluminum-framed wall, containing in-fills of glass, metal panels, or thin stone.

Concrete
is the most-used material in the world
Incredibly high compression strength

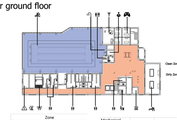
Oak tree
was declared a public holiday by parliament in 1660.3b official celebrations continued until 18th century, destroyed in the 18th century by tourists stripping off branches as souvenirs.



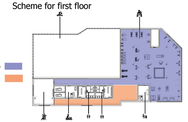
Asphalt
black or brown petroleum-like material that has a consistency varying from viscous liquid to glassy solid. It is obtained either as a residue from the distillation of petroleum or from natural deposits

Anemone
has been in cultivation since 1875. The English use it commonly. "This is an almost hardy evergreen shrub, grown chiefly for its attractive flowers. The single anemone-shaped, scented flowers are glistening white; they are 2-3 in.

Scheme for ground floor



Scheme for first floor



Zone		
Name	Area	Volume
Coach Room	4.51	13.52
Filling Room	8.06	24.17
Filling Room	8.08	23.84
Filling Room (female)	14.70	39.69
Filling Room (male)	33.12	89.43
Filling Room (male)	14.47	39.08
Filling Room (male)	23.06	89.25
Mechanical Room	11.44	30.89
Medical Room	26.58	71.80
Pillardo	63.26	170.73
Playstation Room	36.11	97.50
Sauna	14.36	38.77
Security Room	8.65	23.35
Storage	5.37	14.49
Storage	8.88	23.97
Swimming	498.86	1,346.92
W.C	9.81	26.78
	798.52 m²	**2,158.65 m³**

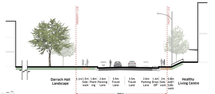
Zone		
Name	Area	Volume
Dancing Room	62.30	168.20
Filling Room (female)	183.44	1,526.57
Filling Room (female)	24.06	64.97
Filling Room (male)	23.80	64.27
Massage Room	33.45	90.30
Office	19.81	53.76
	346.86 m²	**1,968.07 m³**

Building purpose ?

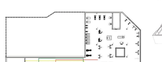
For spreading the entertainment in the city in different ways at the same building. Includes different of functional zonesline : Swimming pool (3 lane), Playstation zone, pilliardo, Dencing room, yoga place (outside door), Sauna and the fitfness zone. Their are two types of leisure activity : The total leisure time indicator is the sum of two categories of leisure: active leisure time and passive leisure time. Physical leisure, which encompasses sports and exercise. Passive leisure is the time that people spend at home in activities that are relaxing and that require little effort.

Truss System :

Trusses are one of the most common types of structure found in leisure buildings. They comprise an efficient arrangement of slender members and are generally more economical than standard rolled steel beams over relatively large spans. Accordingly, they are an ideal solution for large span buildings, such as stadia, as they are also considered to be an architectural feature of these structures and are field to erect. Common construction materials for roof structures are steel or timber trusses and reinforced concrete, supported on masonry, concrete, steel or timber columns. Practical and cost considerations will, however, restrict the range of options that are available



Horizontal circulation



Verticale circulation

Section S-01 Scale 1:100

Section S-02 Scale 1:100

Yoga place

Sauna

Gaming room