

KENZO TANGE- Yoyogi National Gymnasium

ARCHITECT:

KENZO TANGE



LOCATION:

TOKIO, JAPAN

Engineer

Yoshikatsu Tsuboi, Uichi Inue

Built in

1961–1964

- The main gym evokes a desert tent, but also seen in the distance like a Japanese pagoda, while clearly remembers the little shell of a snail.
- Cover with laminated

. ' This has been raised on a circular plan and a radio mast hanging cables tensors in symmetrical fashion. Instead of two slabs of concrete, the only pole is embedded in a single plate.

Cover is constructed as a laminar structure, following a principle similar to the mesh wire with rigid edges. Instead of the steel cables, the structure form a set of hanging beams lying among the foothills of the outer ring and a steel tube that rises in a spiral and between which are supported in regular intervals and diagonal beams anchor then covered with steel plates of 4-5 mm in thickness and forming the outer casing.

Materials

The buildings are the result of a combination of steel, aluminum, glass and concrete “béton brut”, whose apparent validity as material was a recurring theme in the architecture of Kenzo Tange.

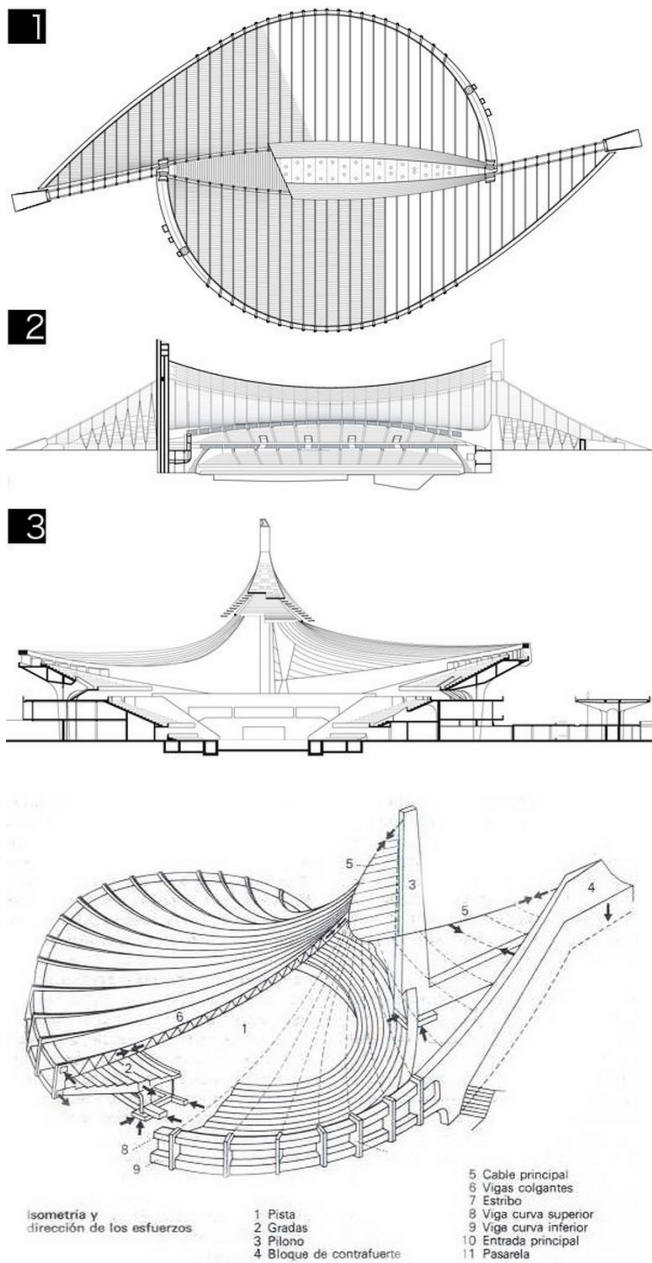


Table 2-2 Interior Finishes

Room/Area	floor	baseboard	wall	ceiling	notes
Entrance hall	porcelain tile	bare concrete	bare concrete	general: aluminum expand metal casing: aluminum plate casting (integral color)	
1st gymnasium arena	limestone	bare concrete, tessera	bare concrete, tessera		
1st gymnasium diving pool	color mortar, line tile	-	rough-surfaced color mortar		
1st gymnasium stands (upper and lower stands)	mortar	mortar	-		
1st gymnasium concourse (north and south)	porcelain tile (round shape)	polishing white limestone (<i>kansui</i>)	polished white limestone (<i>kansui</i>)	general: flame-retardant plywood casing: aluminum plate casting (integral color)	
2nd gymnasium arena	cherry wood flooring	wood	plywood		
2nd gymnasium stands	mortar	mortar	-	bare concrete	
2nd gymnasium lobby	porcelain tile (round)	<i>kitagi</i> rust stone	<i>kitagi</i> rust stone	-	
VIP room	mortar	polished white limestone (<i>kansui</i>)	plaster coat	plaster coat	
VIP passage	mortar	polishing white limestone (<i>kansui</i>)	plaster coat, washing-finished white limestone (<i>kansui</i>)	plaster coat	
VIP toilets	porcelain tile (round)	-	polished white limestone (<i>kansui</i>)	cloth	
N. S. lobby	vinyl floor tile	polished limestone (<i>kansui</i>)	polished limestone (<i>kansui</i>)	plaster coat	
Cafeteria	vinyl floor tile	polishing limestone (<i>kansui</i>), plywood	polished limestone (<i>kansui</i>)	plaster coat	

40

(5) Basic building information

	First Gymnasium	Second Gymnasium	Auxiliary and Administrative Buildings
Structure	Reinforced concrete structure; partly steel-framed structure		-
Number of stories	Two stories above ground, two stories under ground	One story above ground, one story under ground	-
Roof structure	Suspended by cables and steel members		-
Building area	14,426 m ²	3,872 m ²	-
Gross floor area	28,754 m ²	6,947 m ²	5,139.93 m ²
Others	Important artworks by Taro Okamoto		

- The Stadium was selected by DOCOMOMO Japan in 1999 as "Architecture of the Modern Movement in Japan" and has been registered under the name "Yoyogi National Indoor General Stadium."
- In 2017, the Stadium was also selected by ICOMOS Japan as one of the "Twenty of the 20th Century"

- In 2017 the Stadium was also selected by ICOMOS Japan as one of the Twenty of the 20th Century Heritages in Japan". It was registered as "a masterpiece of large-scale architecture."

