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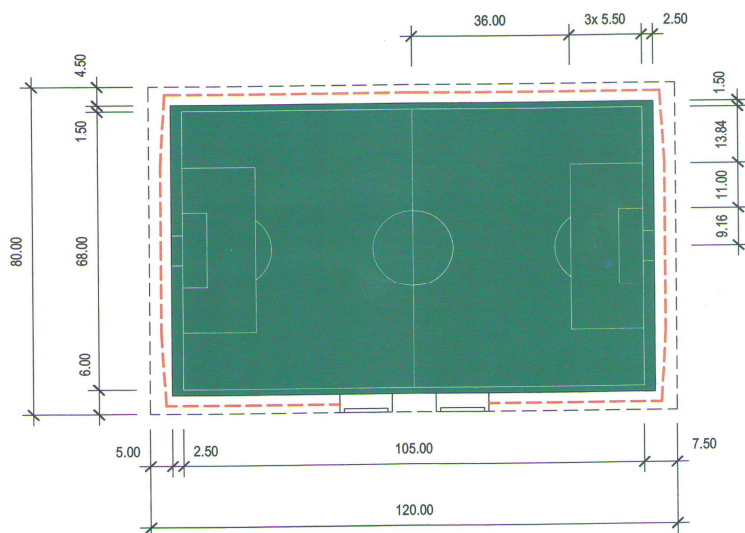
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**Keyword:** Architectural Design, Football Stadium, Dedicated Space for Women

Depending on the classification matches of the soccer field size increased slightly, but other aspects such as zoning and marked its size and interior of the Earth is fixed and the lines drawn according to a certain rule of Michaud.. A rectangular football field length of 100 to 110 meters and a width of 64 to 75 meters, the land is divided into two parts by a line in the middle. Football field goal range with two, two and four corner of the penalty area. Playground should be at least 6 meters along the sidelines and goal lines in the vicinity of at least 9 meters[1,2].



## II. POSITION AUDIENCE

Football pitches and a stadium capacity and the capacity audience to the location and the importance of play and the percentage of the population are dependent on pro football. This number varies between 5 and 120 thousand. Suitable for audiences on both sides of the longitudinal view of soccer. At district level, towns and places where there is a large audience and in the fields of training usually consists of a length of the pitch side spectators alternative platforms. In the design of appropriate and rapid access grandstand audience must be considered as well as the depletion of easily and quickly allow them [3,4].

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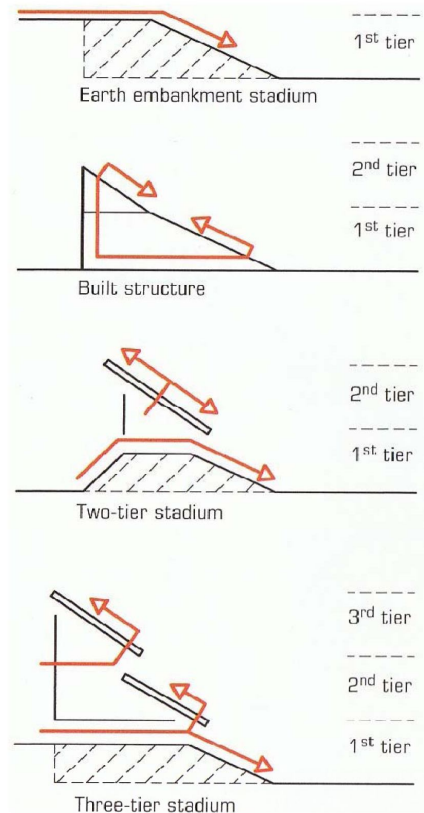


Fig.2. different access to the grandstand

### III. DESIGN PLATFORMS STADIUM

After identifying the site and type of pitch, the design team responsible for the audience platforms as pursuing a suitable viewing for all spectators is available to pitch. The starting point for platforms spectators design, dimensions and orientation of the race [5]. The next step is to determine the scope of initial and final pitch around the platforms that surround the audience [6]. Platforms audience of land near as possible to begin the race [7]. The outer edge or the top row of platforms will be determined according to three cases: Capacity to perform for the fans inside the stadium

Seat farthest distance from earth race is not to limit the maximum distance greater visibility.

Geometry and wrapping platforms, as well as some of the platforms that make the sport better view and more value.

For example, in soccer western platforms are suitable for viewing on the pitch. For this reason, according to two high-capacity platforms will be higher than our ways[8,9].

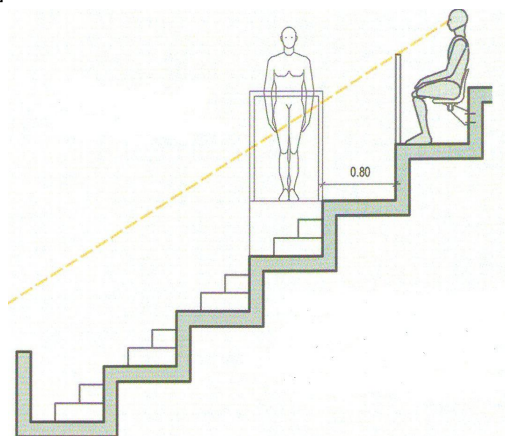


Fig.3. Convert conventional rigs to the side aisle

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## IV. WOMEN STADIUM

The stadium project designed for women should pay attention to the following points:

- A. Based on the physical environment and exploring these circumstances
- B. Similar samples were collected and evaluated attention and made them
- C. According codified standards and data collection and checking
- D. Economic and cultural attention and efficiency Stadium
- E. The design is based on the principles of sustainable architecture
- F. The use of modern technology to build light structures and optimization
- G. The design of indoor space and at the same time with a sense of free space for women's sports

## V. CONCLUSIONS

Reasons for women stadium design can be summarized. Women's football stadium proposed in this paper with space structured approach for Muslim women and with regard to privacy and is regarded as the first football stadium in Iran.

Provide physical, psychological and social plans, particularly for women

Innovation and novelty for dedicated space for women

Design the best football stadium reserved for women according to the standard and modern technologies so far

Football stadium designed for women with regard to visual and private homes available

Health service men and women in public spaces should be separated

## VI. ACKNOWLEDGMENT

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## REFERENCES

- [1] A Brief History of the Olympic Games by David C. Young, p. 20
- [2] Στάδιον, Henry George Liddell, Robert Scott, A Greek-English Lexicon, on Perseus
- [3] The Modern Olympic Games, A Struggle for Revival by David C. Young, Chapters 4 & 13
- [4] Corbett, James. School of Science. Macmillan. ISBN 978-1-4050-3431-9.
- [5] The Move to Goodison". Everton Collection. Retrieved 5 April 2010.
- [6] History of Goodison Park". ToffeeWeb. Retrieved 3 April 2010.
- [7] Inglis, Simon (1996) [1985]. Football Grounds of Britain (3rd ed.). London: CollinsWillow. pp. 234–235. ISBN 0-00-218426-5.
- [8] White, Valerie (1980). Wimpey: The first hundred years. George Wimpey. p. 5.
- [9] Zarnowski, C. Frank (Summer 1992). "A Look at Olympic Costs" (PDF). Citius, Altius, Fortius. 1 (1): 16–32. Retrieved 24 March 2007





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