Creating ProTee VX based Indoor Golf Simulator Studios

Authored by TeeTime Ventures, India's leading golf simulator solutions provider

Indoor golf simulator studios present a unique design challenge that requires careful coordination between architectural planning, interior detailing, and technology integration.

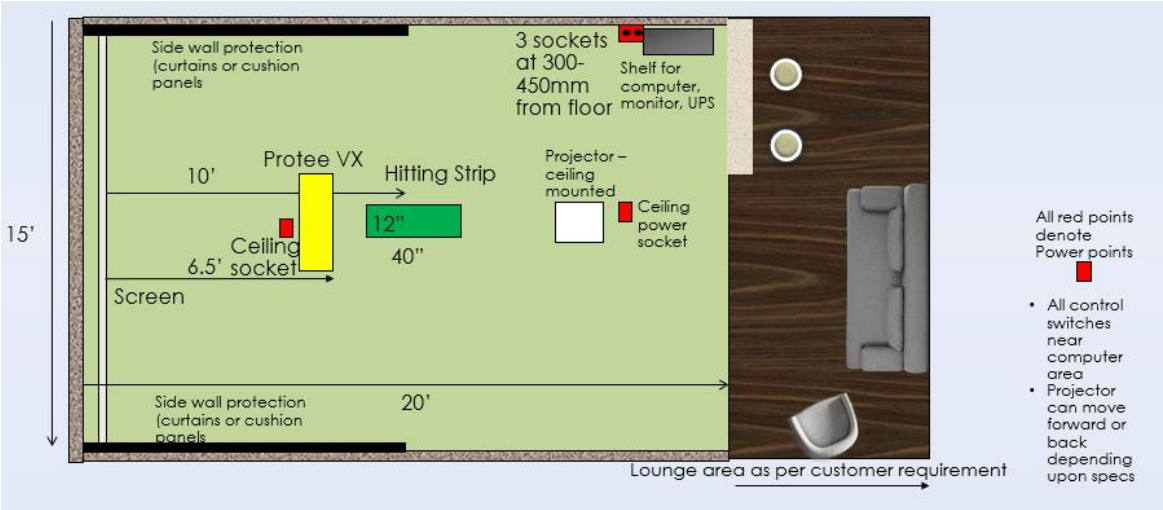
This design guideline has been authored by TeeTime Ventures, India's leading golf simulator solutions provider, based on more than a decade of hands-on experience delivering commercial and residential simulator installations across the country. Our work spans premium private residences, golf academies, hospitality venues, and multi-bay commercial studios.

The recommendations in this document are specifically based on ProTee VX launch monitor systems, a globally proven, camera-based simulator platform widely used in high-performance and commercial environments. While some principles may apply broadly, the spatial dimensions, layouts, power planning, and installation sequencing outlined here are derived from real-world ProTee VX installations, refined through repeated execution and operational feedback.

This document is intended to help architects and interior designers create spaces that are:

- Installation-ready
- Performance-optimized
- Safe for users
- Future-proof for high-end simulator technology

Early alignment with these guidelines significantly reduces rework, accelerates installation timelines, and ensures optimal simulator performance from day one.



Reference Layout:
The illustrated layout represents a typical **ProTee VX installation layout** as recommended by **TeeTime Ventures**, refined through multiple commercial studio deployments to balance player safety, swing freedom, sensor accuracy, and projector performance.

1. ***Minimum Space Requirements***
    - Allocate a minimum of 300 square feet for an effective indoor golf simulator studio
    - Provide a clear space of at least 15 feet in width, 20 feet in depth, and a ceiling height of 10 feet for unrestricted swings and optimal user experience. This space will accommodate both left and right handed golfers without any limitation
2. ***Additional Lounge Space***
    - If incorporating seating or lounge areas, allocate extra space beyond the 20-foot depth requirement to enhance user comfort and create a welcoming environment
3. ***Power Budget***
    - Allocate a power budget of approximately 2KW to meet the electrical requirements of the golf simulator, computer, projector and some ambient lighting
    - Ensure convenient access to power outlets and consider installing dedicated circuits for optimal performance. Seek guidance from your installation contractor for the exact location of the power outlets
    - Ensure that power sockets are available for both the ProTee VX and the projector on the ceiling as indicated by the small red rectangular boxes in the diagram

- Power requirements referenced here are based on typical ProTee VX based systems

4. ***Ceiling Design***
   - Enhance the visual experience within the simulator by painting the ceiling black or dark grey
   - Create a focused and immersive environment while minimizing distractions
   - Ensure that the locations where the ProTee VX and the projector are mounted can take the weight of approximately 14kgs for the ProTee VX and about 5kgs for the projector. If you are using a gypsum based false ceiling, please ensure that it is sufficiently reinforced to take the weight
   - The location of the projector will depend upon the model and its throw ratio
     Note: ProTee VX has to be mounted at a height between 9'-10'

5. ***Dust Free Environment***
   - Ensure the room is completely dust-free before the installation of the golf simulator to prevent interference with sensors, reduce life of projectors and computers

6. ***Timing of Installation Work***
   - Complete all civil and interior work before the installation of the golf simulator to ensure a smooth integration process without disruptions

7. ***Ventilation and Climate Control***
   - Ensure proper ventilation for a comfortable environment during extended gameplay
   - Incorporate climate control systems to regulate temperature and humidity
   - If you are considering air-conditioning, we recommend you budget a minimum of 2 Ton capacity

8. ***Flooring Choices***
   - Consider wood or wood finished material in the lounge area to enhance the aesthetics
   - The playing area is typically artificial turf or in some cases carpet. Most often this is under the scope of the golf simulator installation contractor

9. *Lighting*

    - Avoid a lot of natural light into the room. The room is designed to be dark with illumination coming from the projector and some area lighting which can be controlled
    - If there are windows in the room, consider using some kind of window covering like curtains, blinds etc. to block the natural light during play

10. *Projector, Launch Monitor and Hitting area*

    - Type and Location as per vendor specifications

Conclusion

High-performing indoor golf simulator studios are the result of informed design decisions made early in the project lifecycle.

This guideline reflects **TeeTime Ventures' deep domain expertise in ProTee VX–based simulator environments**, developed through years of delivering turnkey solutions across India. By aligning architectural design with proven simulator requirements, architects and interior designers can reduce downstream rework, improve system performance, and deliver superior user experiences.

TeeTime Ventures continues to collaborate with global technology partners and local stakeholders to define best practices for the Indian market. This document represents our ongoing commitment to **thought leadership in indoor golf infrastructure**.

For project-specific consultations, layout validation, or ProTee VX technical coordination, TeeTime Ventures engages with architects and designers early in the planning stage to ensure seamless execution.

Check out our installations at https://www.teetimeventures.com/golf-installations.