

# PIRTON PAVILION

Simon Knight Architects

## Sports & Social Club

The Council set up a Working Group to advise it on the best way to utilise allocated Section 106 funds that were paid by housing developers. It recommended an upgrade to the playground area and this was implemented in the early Spring of 2021. The bulk of the funding is proposed to be used for replacing the pavilion at the Recreation Ground.

The current building is an old work site hut and is now about 50 years old. It doesn't have a damp proof course or adequate insulation and the showers and toilets are now very poor. The S106 money will only cover about a quarter of the costs, so the Council will be seeking grants, fund raising and potentially a loan to finance this important project. It is intended that this important village asset will be well used by the community, not just for sports.



Existing northern shed



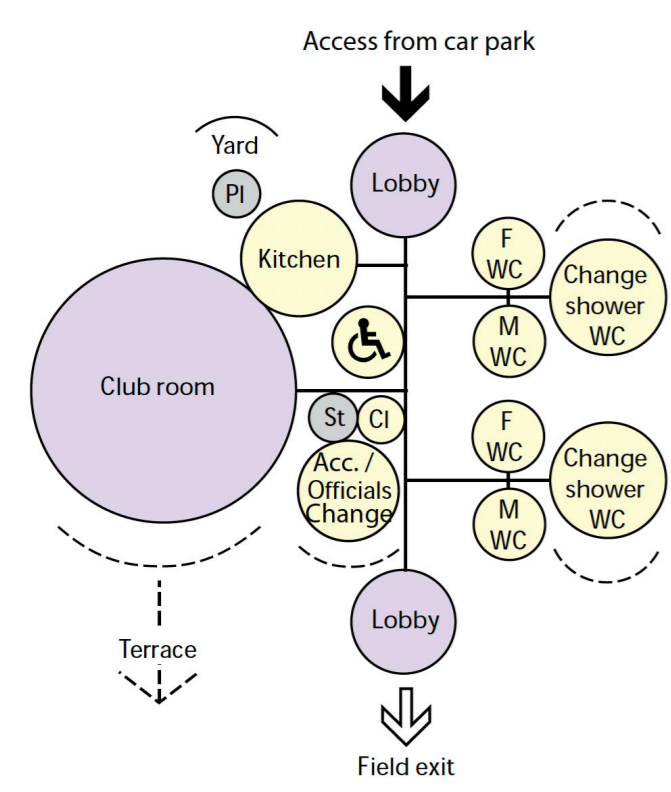
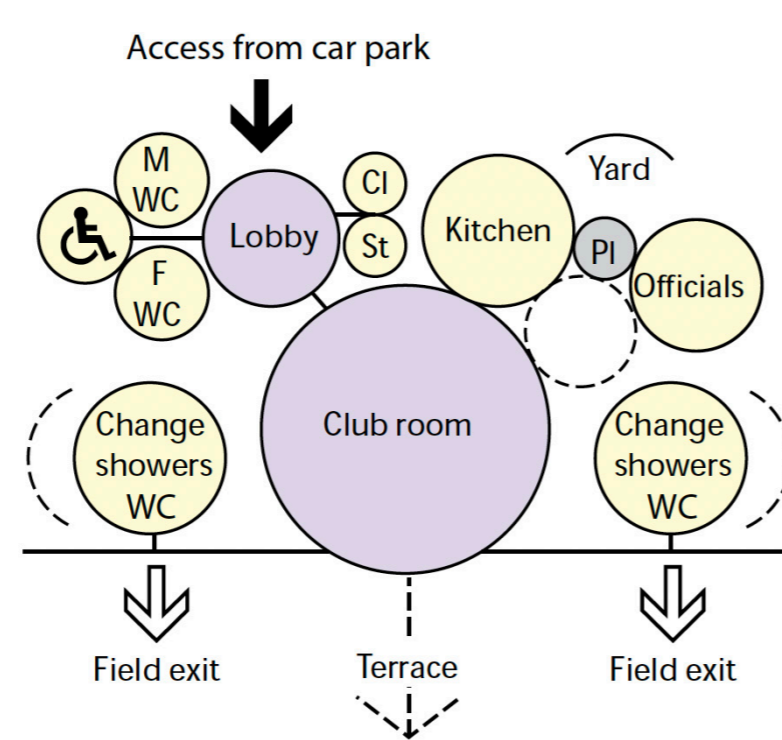
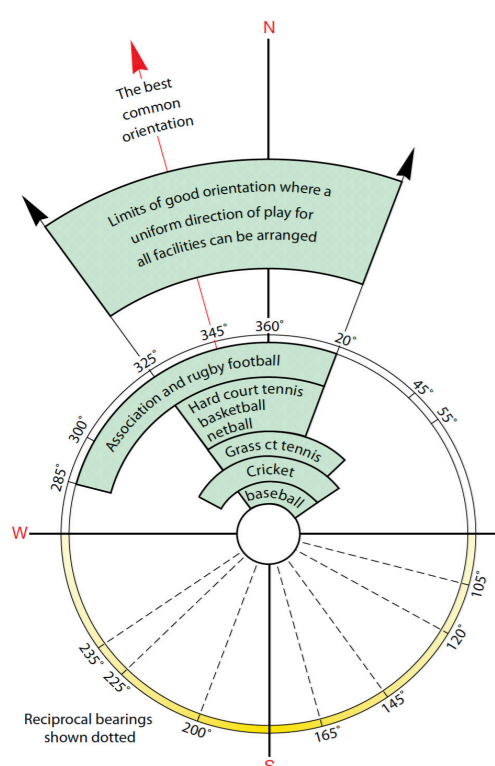
Existing eastern side with seating area



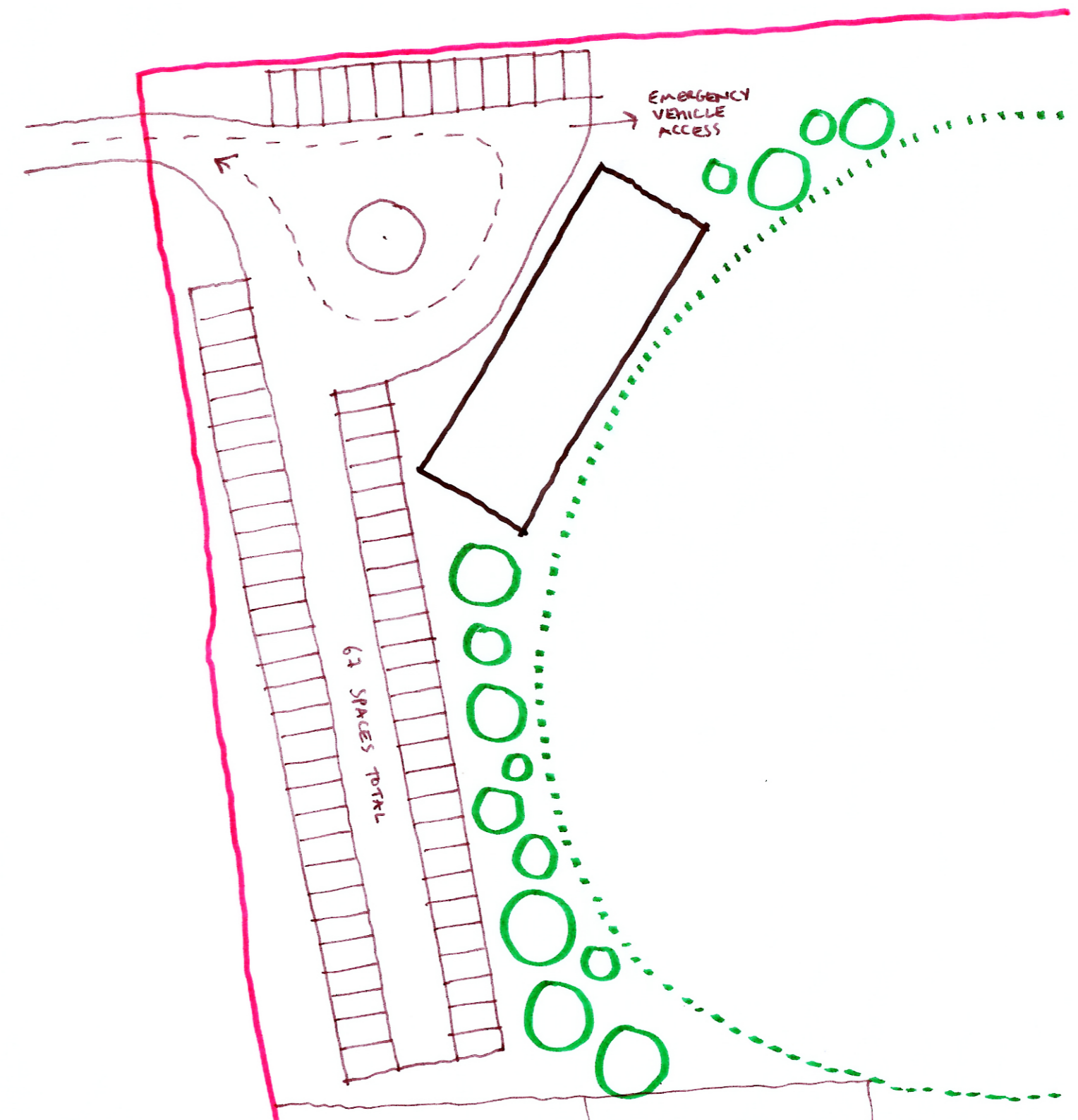
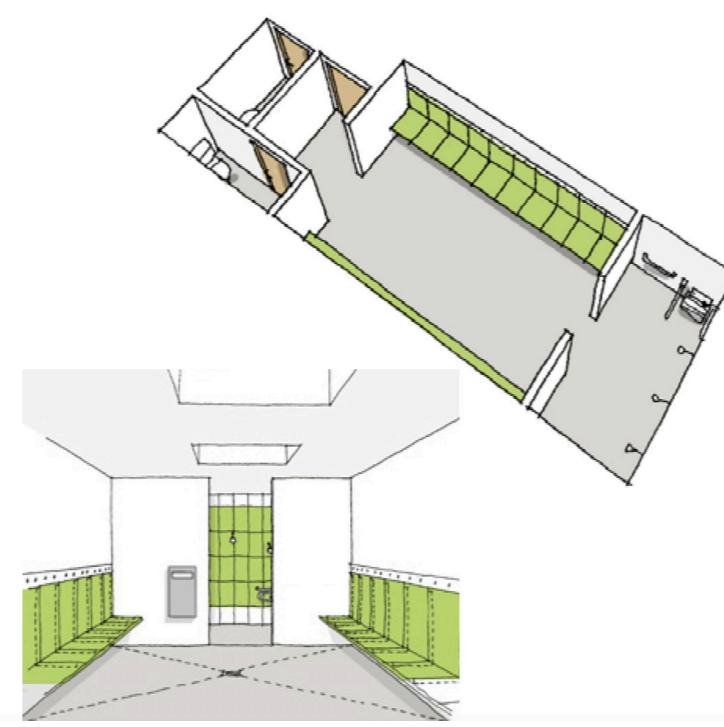
Existing eastern side



Existing Aerial View



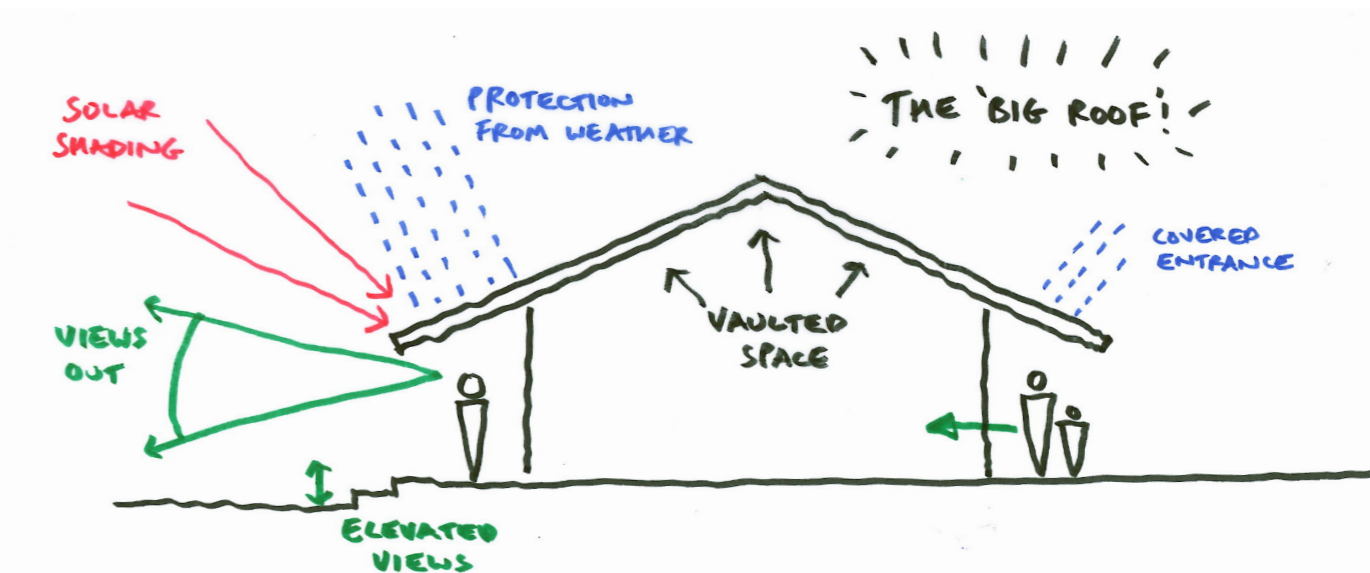
Sports England - Clubhouse design guidance



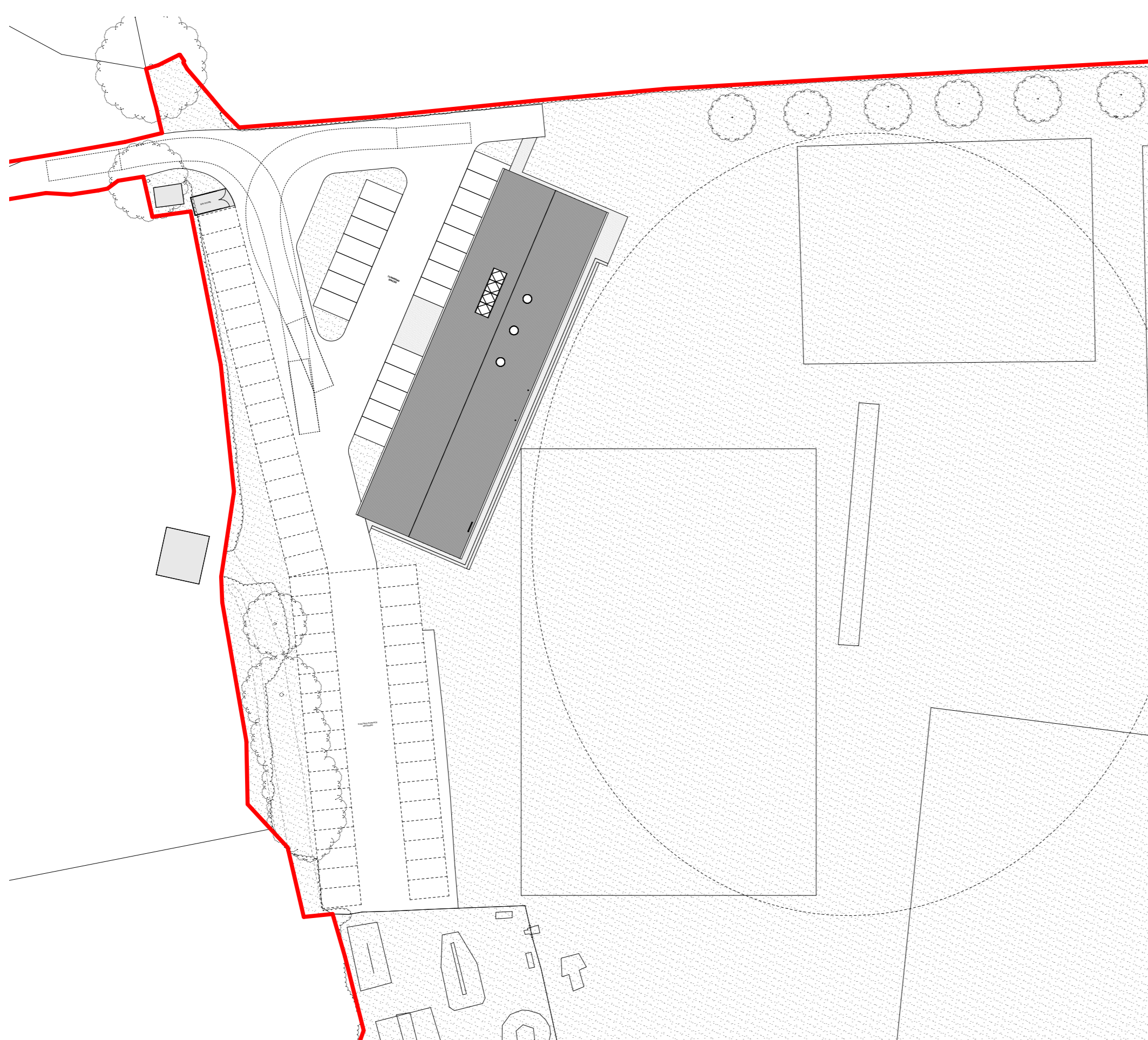
Site Strategy and Concept

Our starting point was to analyse the existing site and review Sport England's and the FA's guidance on sports buildings - specifically the optimum orientation and internal layout. Out of this research we looked at a site strategy that rotated the building clockwise from its current location in order to gain a better aspect to the pitches but also provide a more welcoming facade when entering the recreation ground. Our site concept was to have the ability for a 'drop-off' area and welcoming entrance space, with parking organised in rational banks further down to the south.

Our concept for the building was "The Big Roof"! This came out of the need to lose the balcony but provide a terrace for viewing sports and other events. The big roof provides an over-sailing structure that provides protection from the elements and an elegant large architectural gesture.



'Big Roof' Concept



Proposed Site Plan



Approach to Building



Main Entrance



# PIRTON PAVILION

Sports & Social Club

Simon Knight Architects



Proposed Ground Floor Plan (Scale 1:100)

The floor plan has been carefully organised to accommodate different functions and users. The building has been zoned to allow partial or full opening depending on the event taking place. Public toilets are accessible from a separate external entrance and the changing rooms are similarly able to function separately. The meeting room and lounge are directly accessed from the main entrance lobby and have use of the kitchen and back of house areas. An external hatch is provided for in the kitchen area to the new terraced seating.

ROOM USE	EXISTING AREA	SKA SCHEME
Changing/Showers	32.70 x3	52 x2
Officials Change/Shower/Dis WC	3.36	19.3 x2
WC - Changing	N/A	5.8 x2
Male WC - Social	8.12	13.2
Female WC - Social	8.36 x2	13.2
Internal storage	5.56 x2	5.7 x3
Circulation	9.36	44.1
Social area	92.20 x2	78.3
Bar	11.55	13.6
Bar store	11.76	13.4
Kitchen	19.60 x2	25.7
Kitchen store	10.50	10.6
External store - open	N/A	N/A
External store - closed	N/A	N/A
Entrance lobby	2.56	12.5
Plant room	2.76	230 First Floor
Disabled WC	N/A	3.4
Meeting room	N/A	30.8
<b>Total NIA (sqm)</b>	<b>218.39</b>	<b>571.6</b>
<b>Total GIA (sqm)</b>	<b>N/A</b>	<b>355</b>
<b>Total GEA (sqm)</b>	<b>233.4</b>	<b>395</b>



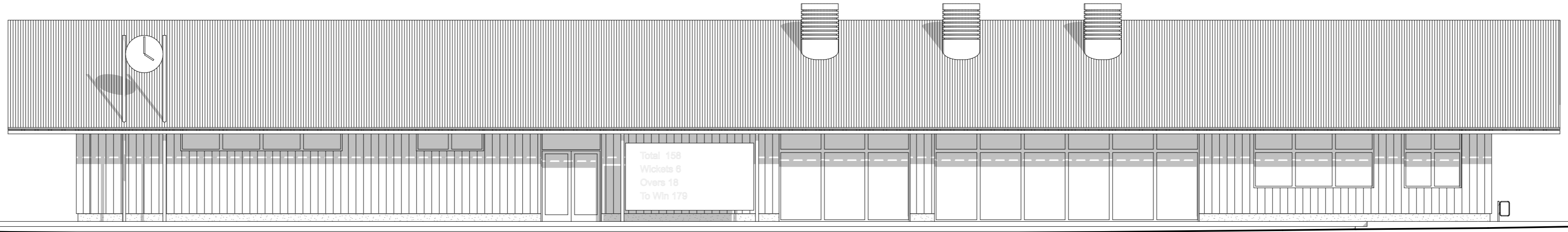
View of Lounge and Meeting Room



# PIRTON PAVILION

Sports & Social Club

Simon Knight Architects



Eastern Elevation



View from Football Pitch

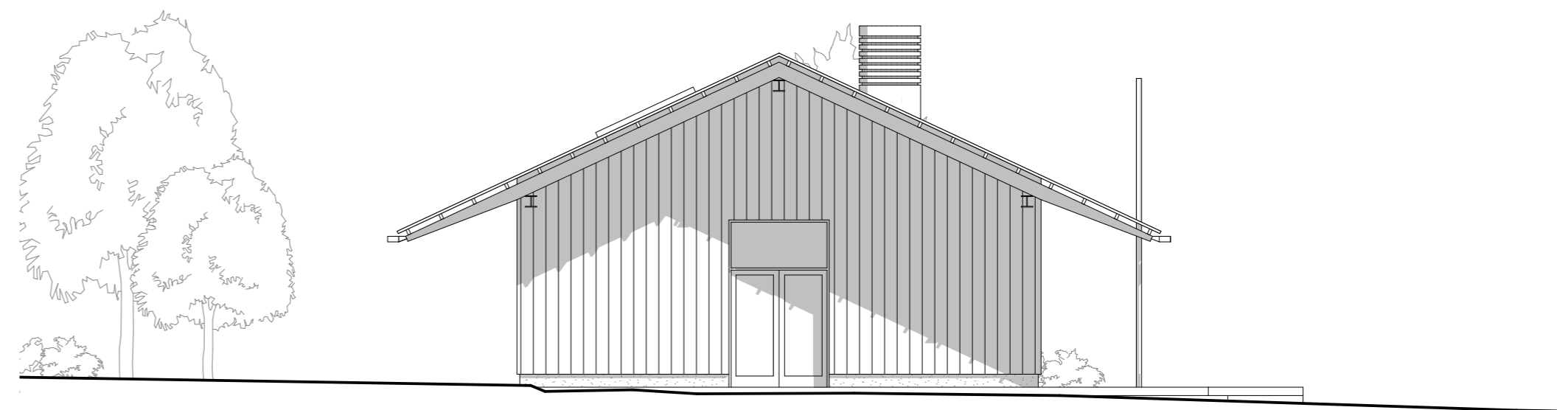


New Flexible Lounge Space

The building is simple and elegant in its form and construction, with an honesty to the construction method. Roof rafters and beams are exposed and the material palette is composed of timber cladding, aluminium roof and blockwork walls for robustness.

Functional features such as the clock, scoreboard and ventilation chimneys bring architectural interest to the design and break up the large roof form. A generous terrace wraps around the building and is slightly elevated from the pitches to provide good viewing perspectives.

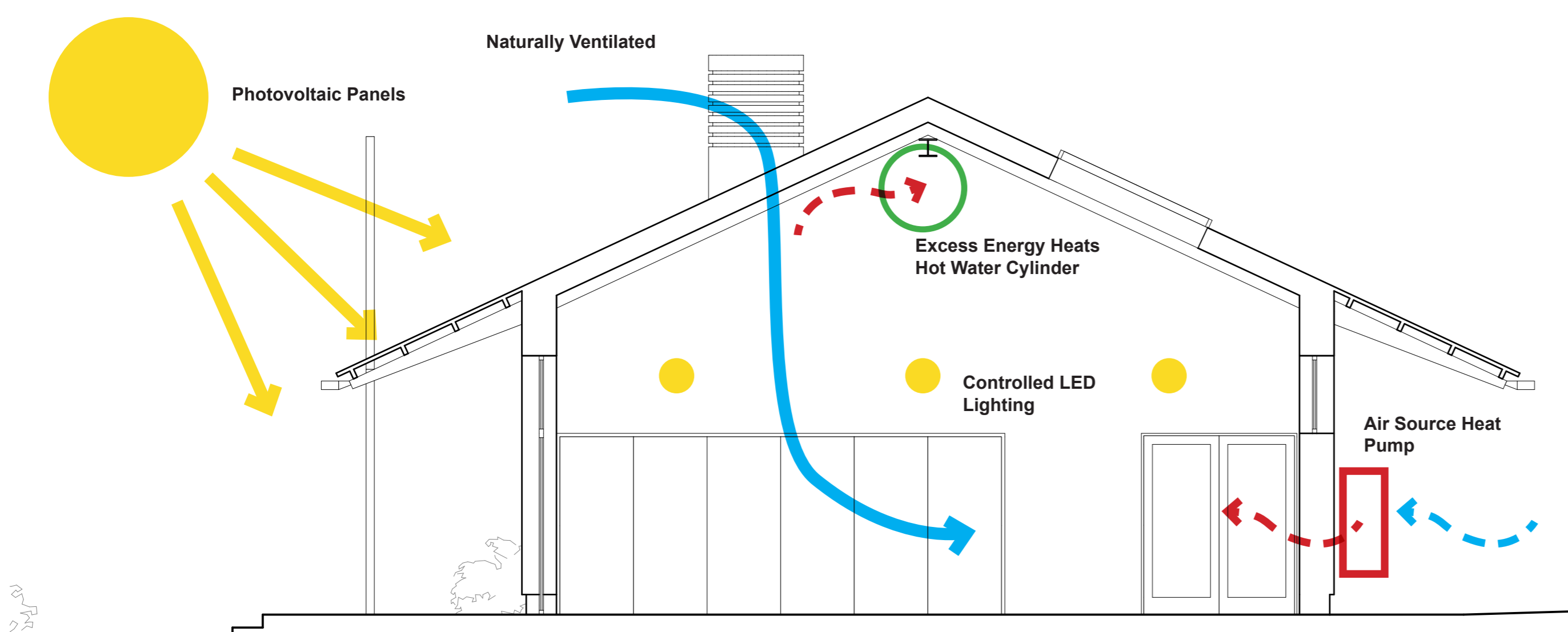
The building will be highly sustainable with a super-insulated envelope and sensitively sourced materials. The servicing strategy will also be seeking to create a low energy, high performing sports building that can accommodate the challenging user requirements.



Southern Elevation

## Sustainability and Servicing Strategy

- Photovoltaic (PV) panels mounted on the roof generate electricity for use within the building.
- Excess energy is used to pre-heat the hot water used in the changing rooms and toilets.
- Air source heat pumps provide low carbon heating, extracting heat from air outside and using it to heat the building.
- Heat recovery ventilation systems in the changing rooms and toilets recover energy from the extracted air, using it to heat the fresh air being supplied to each room.
- Roof mounted passive ventilators use the prevailing wind to naturally ventilate the lounge and meeting room.
- An electric water cylinder will generate hot water using excess electricity from the solar (PV) panels.
- Lighting controls connected to LED lights maximise the use of daylight within the building. Lights will dim automatically when the sun is shining, and artificial lighting is not required.



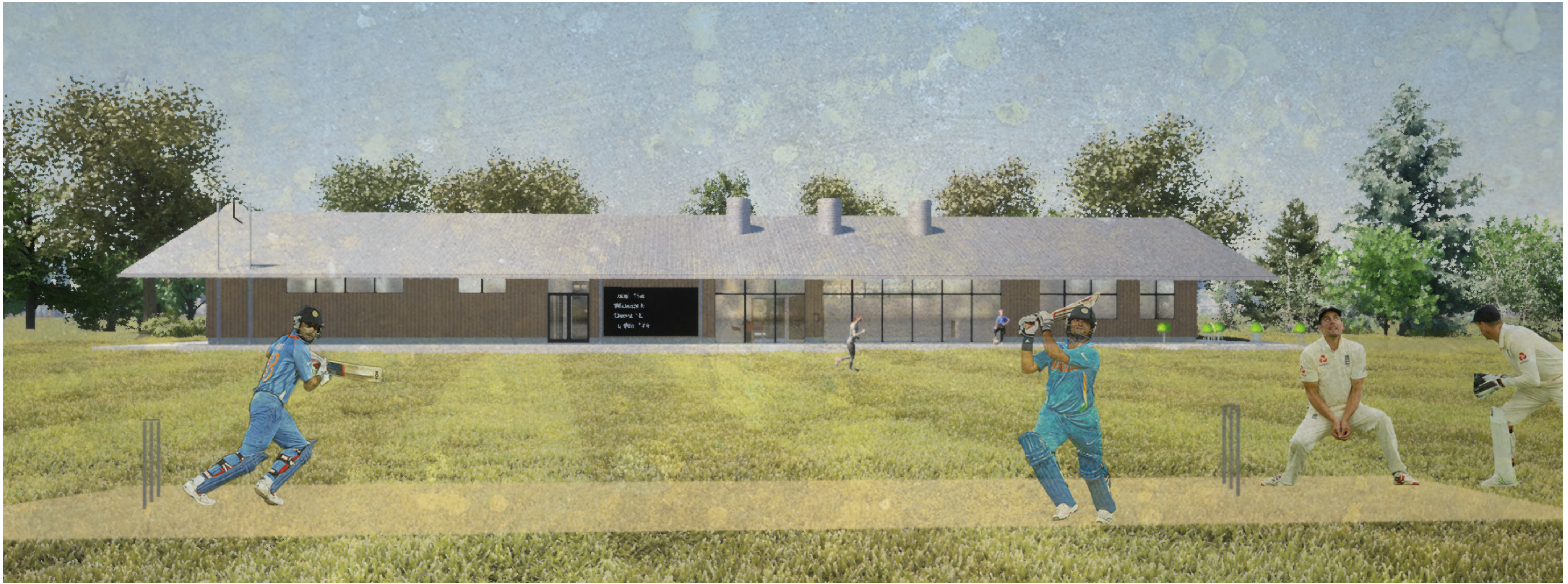
Proposed Section Illustrating Sustainability Strategy



# PIRTON PAVILION

Sports & Social Club

Simon Knight Architects



View from the Cricket Pitch



Changing Rooms

We have looked at contemporary precedents for inspiration and two of these projects are illustrated below for reference. These show the honest construction, vaulted roof spaces and fair faced finishes that we are looking to achieve. The above artistic impression highlights how the cricket pitch relates to the new building and how the long elegant profile sits comfortably with the site.

Internally, we are looking to create robust interiors that will be hard wearing and functional. The use of fair face blockwork also reduces the need for additional layers and trades and helps the sustainable credentials of the building.



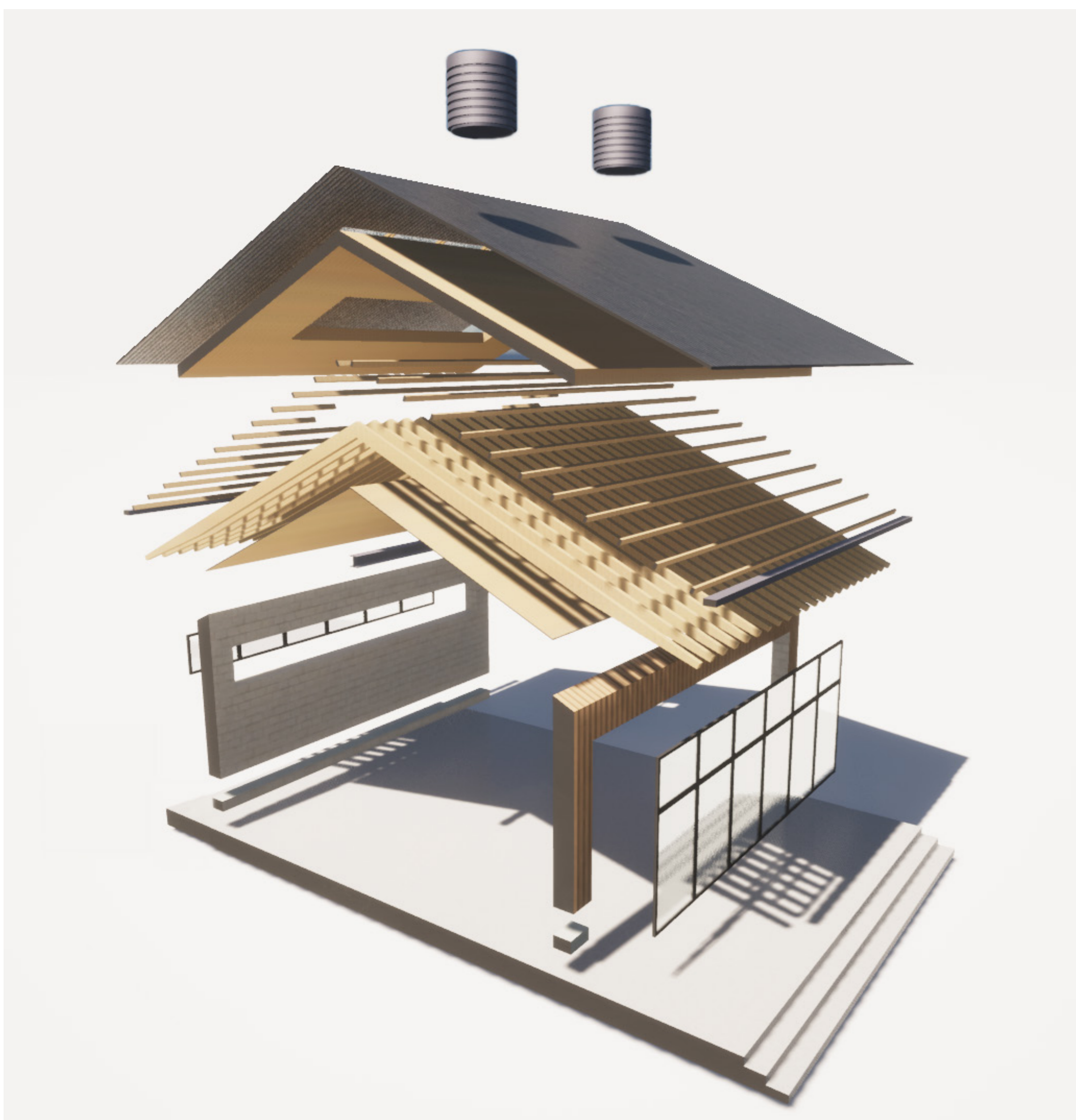
Herzog & De Meuron's Parrish Art Museum



Jan Vermeulen Prinsenspark Visitor Centre



Jan Vermeulen Prinsenspark Visitor Centre



Exploded Axonometric



Southern View

On the axonometric to the left, we have indicated how the building will be constructed with a layering of materials that are expressed in the soffits and ceilings of the interiors. This can also be seen in the southern view above. With careful detailing we can insulate the roof to a high performance and overhang the roof to create a generous covered terrace space for spectators.

The steel ridge and eaves beams that help support the timber rafters are exposed internally at the ridge and externally at both gable ends. The roof cladding cantilevers further over the structure and provides a delicate thin edge to the eaves detail. Simple guttering take the rainwater away to soakaways and the existing drainage ditch.

The natural ventilation for the lounge and meeting room require the use of chimneys and these will be carefully detailed and located on the roof. They help showcase the 'green' credentials of the building and highlight the key spaces within the pavilion.



# PIRTON PAVILION

Simon Knight Architects

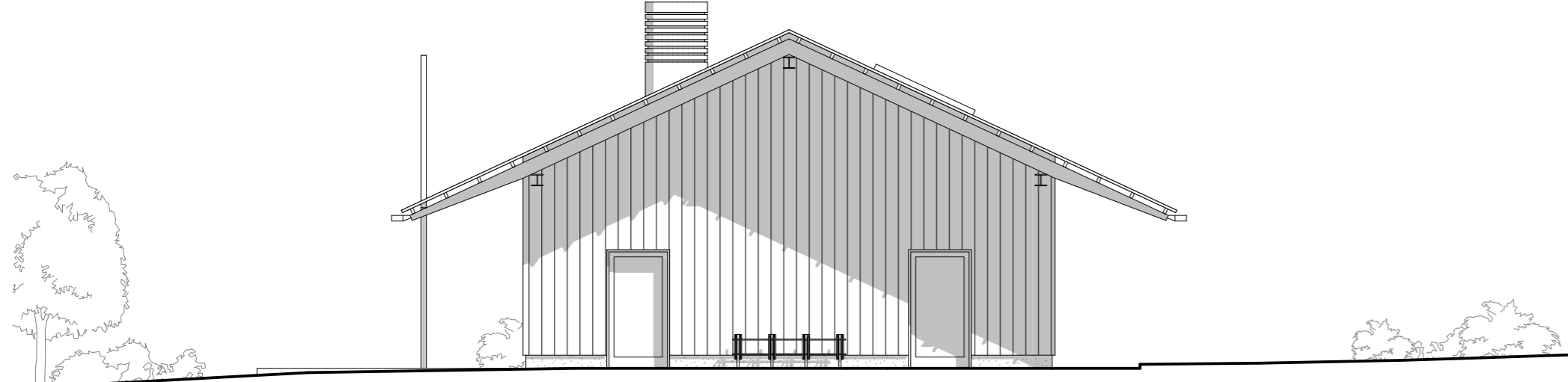
## Sports & Social Club

### How will it be funded?

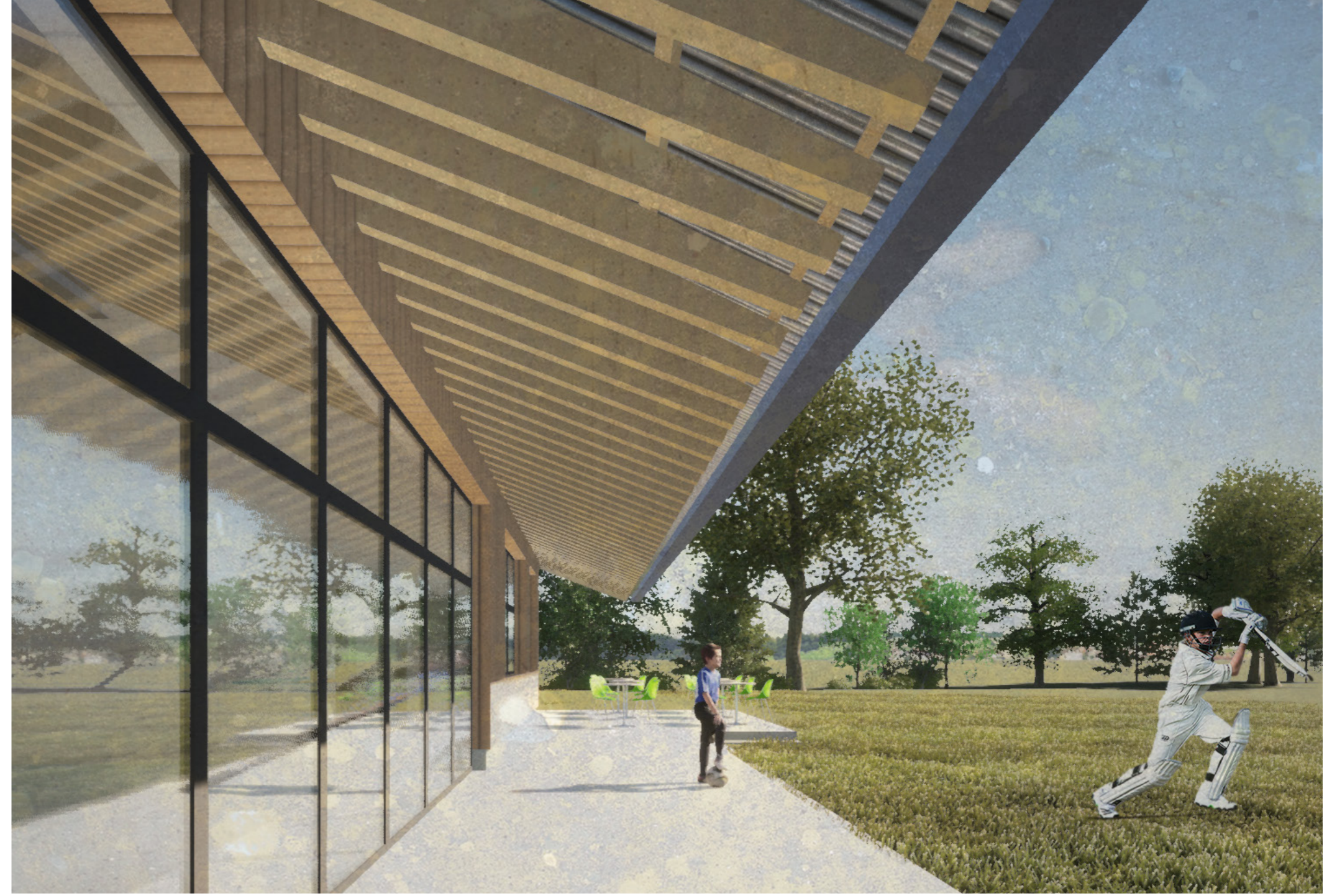
- The current view is that the cost may be c£650k
- A Quantity Surveyor assessed the Concept Design and confirmed the estimate
- Current funding provision assessment:
  - 25% from Section 106
  - 25% from Football Foundation
  - Remainder from grants, fundraising and loan
- All figures are provisional!

### When will it be built?

- This dependent on funding
- The aim is to submit for planning permission in May/June
- If all goes well construction to start Summer/Autumn 2023
- Completion could be Spring 2024



Northern Elevation



Roof Overhang and Terrace



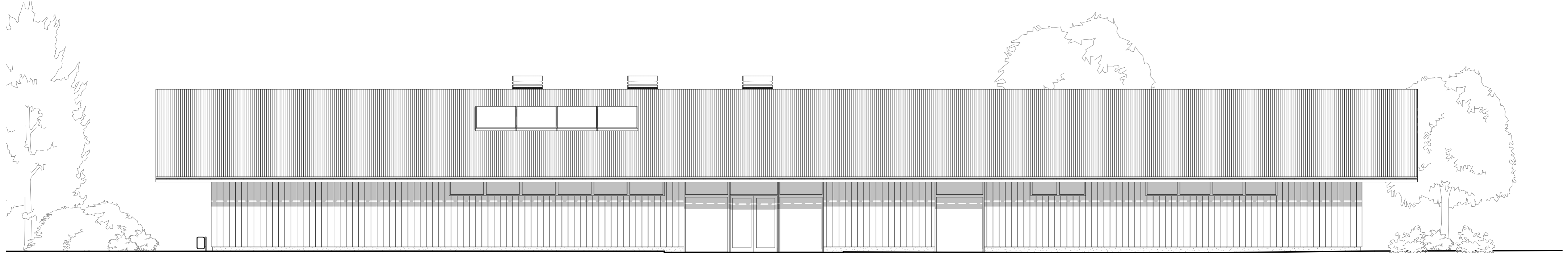
New Terrace Seating Area Adjacent to Kitchen

### Why has the balcony gone?

- This was a popular feature of the concept design
- *BUT*
- It added at least 5-10% to the cost
- There were concerns over security and misuse
- A lift would be required to make it accessible, adding further considerable cost
- There were safety concerns
- Where successful (eg Ickleford, Hitchin) the bar is at that level – which is impractical here

### Why has the location changed?

- More opportunity for solar energy
- The proposed location will look better on entering the recreation ground
- No need to move cricket/football pitches to accommodate additional parking
- May help planning permission as previous permission granted for this location
- It may be possible to keep the pavilion open for longer during build
- Better orientation to the sun's path giving a more Southerly aspect for the viewing area and function room glazing



Western Elevation



View from South Eastern Corner