The Cooperative Academy
EXTERNAL SHELTER:
Design and Access Statement

plincke.
landscape / urbanism / design

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SITE LOCATION



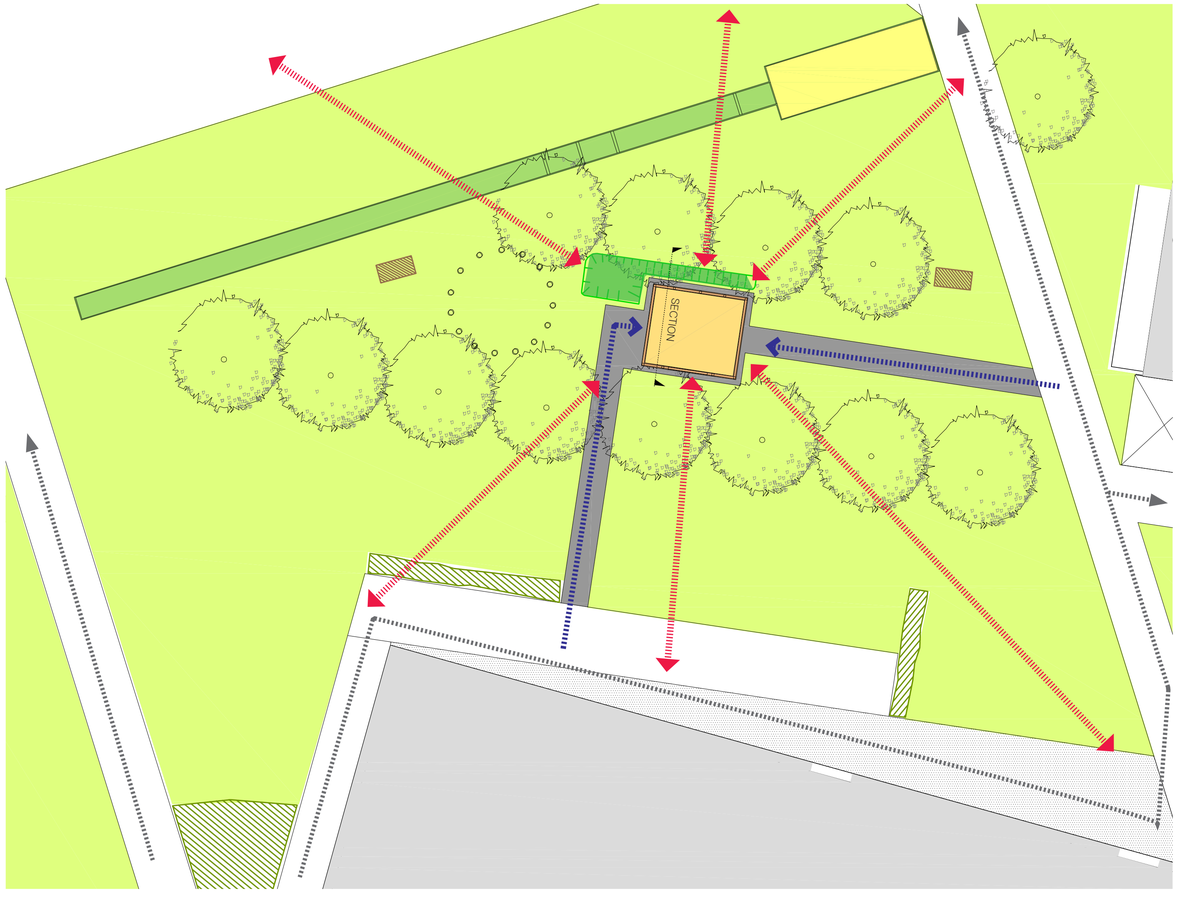
The proposed external shelter will be located within the school grounds as shown. The location was chosen by the school as it allowed good surveillance from the school building and views towards the long jump and playground for spectators.

REFER TO DRAWINGS SITE LOCATION AND EXISTING-SITE_REDLINE FOR LOCATION/RED LINE AREA

The shelter is sited to avoid any tree removal and avoids impacting on the adjacent long jump facility. No existing trees require removal.

REFER TO DRAWINGS SITE LOCATION AND EXISTING-SITE_REDLINE FOR LOCATION/RED LINE AREA

SITE PLAN: SITING AND ACCESS



The shelter is located between the existing lines of trees and will be linked to the existing path network with new tarmac paths 1.5m width. These will allow access to and from the shelter. The site is reasonably flat so all paths will be DFA2 compliant and allow access for wheelchair users. The shelter is designed as an open ended structure with various 'cut outs' to the sides allowing different views in all directions.

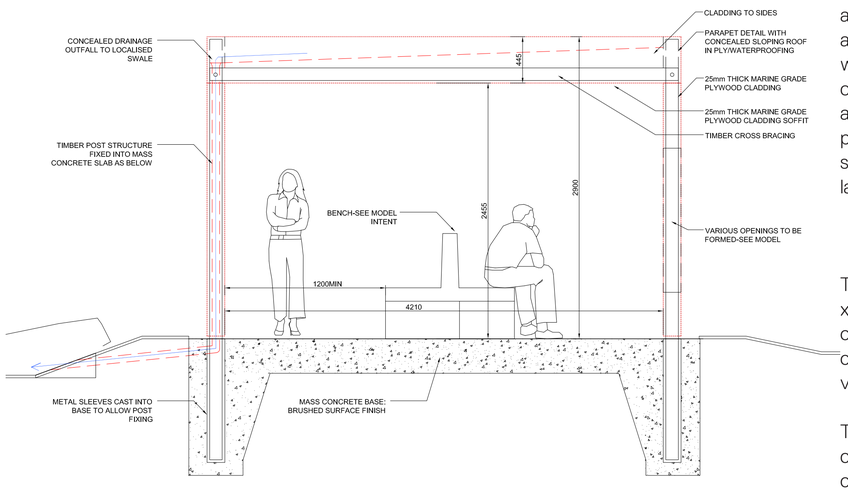
Drainage for the roof structure will be accommodated within the landscape as a new 'swale' area. This will be a shallow depression (<200mm depth) within the existing grass area that allows for rainwater run-off. This will be reinstated with a wet meadow grass mix, but could also be planted by the school in the future to further enhance biodiversity.

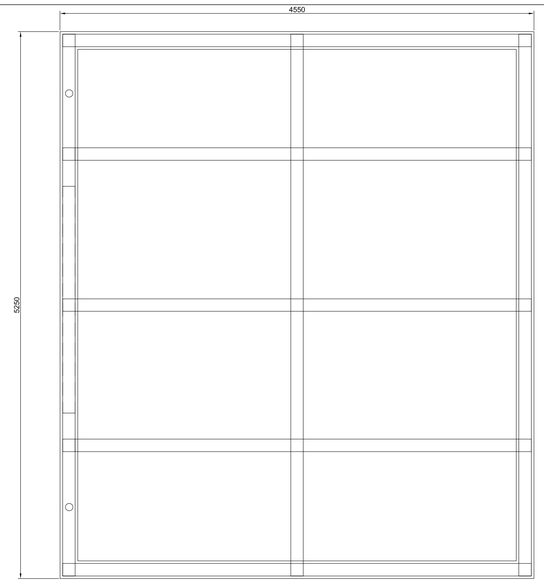
REFER TO DRAWING COOP-SHELTER_001 FOR LOCATION SITE PLAN

- PEDESTRIAN ACCESS
- VIEWS
- LOCALISED AREA FOR ROOF RUN -OFF
- EXISTING ROUTES
- TARMAC PATHWAYS

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SHELTER DESIGN





The shelter will be a timber construction on a solid concrete base to provide a foundation and hard surface for a base. The construction will be timber frame with marine plywood cladded exterior including a parapet detail to accommodate a sloping roof. It is inteded to provide drainage guttering hidden within the structure to allow drainage into the adjacent landscape swale.

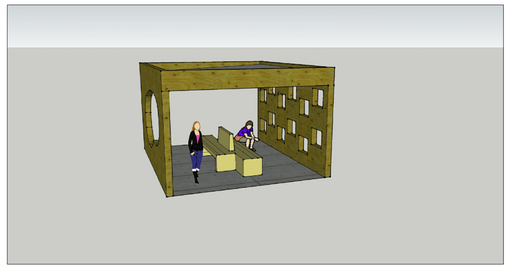
The overall size of the shelter will be 5250mm(L) x4550mm(W)x2900mm(H). It has a clear height of 2455mm from ground level to the underside of the roof structure. The ends will be open, for visibility and to allow surveillance.

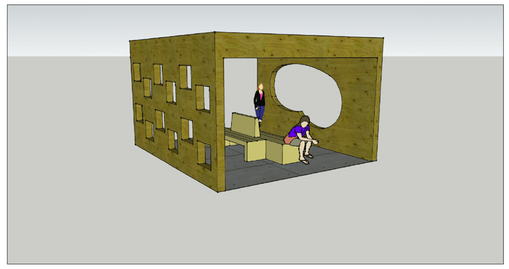
The sides will feature windows within the cladded exterior that form viewpoints in and out of the shelter. These will be fully clad to all faces. On one side, a formal arrangement of square openings is proposed, to the other a large oval form representative of a large seed is formed.

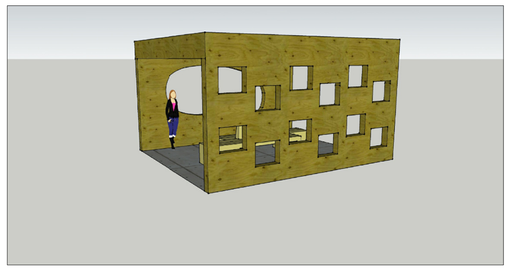
To the centre of the structure a large seat is proposed. This will be a slatted timber seat. Its function is intended as a two-way seat, allowing users to face in either direction or to sit together. This will allow 8-10 people to be seated at one time. Clear access of a minimum of 1.2m is provided either side of the seat.

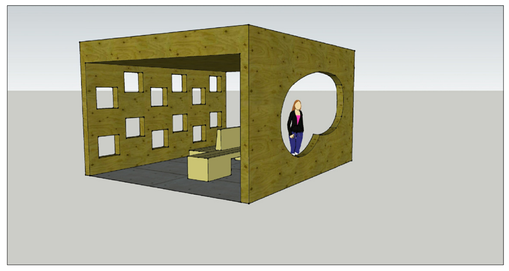
The client team accept that by its very nature there will be opportunities to climb the structure. The school will need to manage this situation, however, it is proposed that anti-vandal paint be applied to the roof and inside of the parapet to deter anyone trying to sit on the roof.

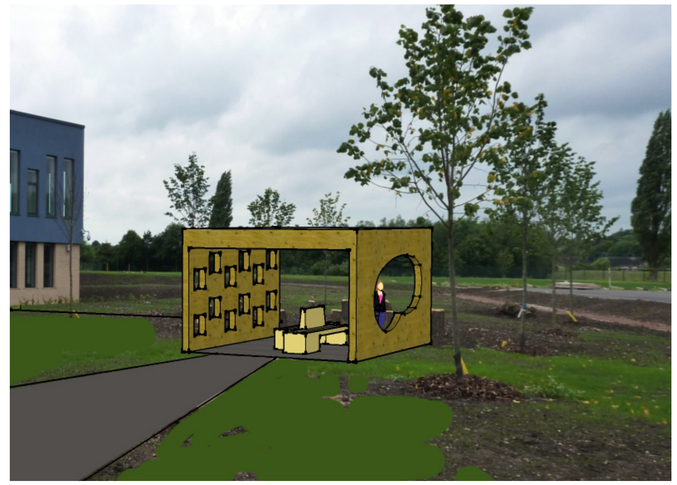
NB. All Structural design will be confirmed by a structural engineer, including wind loading etc.











The above view shows the proposed shelter in context showing how it will be accessed, and the views in and out.

NB. The final orientation of the shelter windows in relation to the site will be agreed with the school.