The Pop-up Degree Show 2024

"A good city is like a good party - people stay longer than really necessary because they are enjoying themselves."
Jan Gehl, architect, urban designer and author of Life Between Buildings

"Once there were parking lots, now it's a peaceful oasis"
Talking Heads.

In this collaborative group project, the Level 5 students on the BA Interior Architecture course were asked to collaboratively design their end of year Degree Show 2024, in an un-used and un-utilised space. On top of a car park located on their campus. The students pitched the proposal, during a live exhibition event, to the heads of school and the Architecture firm Will+Partners. After a successful event, this collaborative group proposal is hopefully becoming a reality for the student's end of year show in 2024.

Small team environment

The students worked on this proposal as one big team, but were divided into smaller sub-teams to develop the different aspects of The Pop up Degree Show Proposal. The sub-teams focused on the **structures** that need to be designed for the key areas:

- **Exhibition area**
- **Bar area**
- **Music/entertainment area**
- **Information point**
- **Film/multimedia area**

Each student was split into a group, and assigned a role in their sub-team:

- **Project Manager**
- **Planning & Marketing**
- **Design**
- **Build**

The Intervention

The installation of the event needed to be deployed using economic means, as such specification of standard, readily available components, timber materials and digital fabrication processes will be harnessed. The project was grounded in sound principles of sustainable construction. The students created networks and connections with the construction sites operating on the campus, focusing on re-use of materials from the building sites, creating a circular waste economy within the University.

The Pop-up Degree Show exhibition proposals were worked through at 1:5, a useful scale that allows testing of actual materials and connections. All materials and connectors were an appropriate approximation of the 1:1 proposal.

Teams were not reworking the existing hard or soft landscape, but proposing a light-weight, reversible intervention that can be removed without leaving a trace. In parallel to developing the design at 1:5, each sub-team developed **Assembly Instructions** as well as **Pitching Materials**, so that the merits of the scheme were convincingly communicated to their audience.

Submission

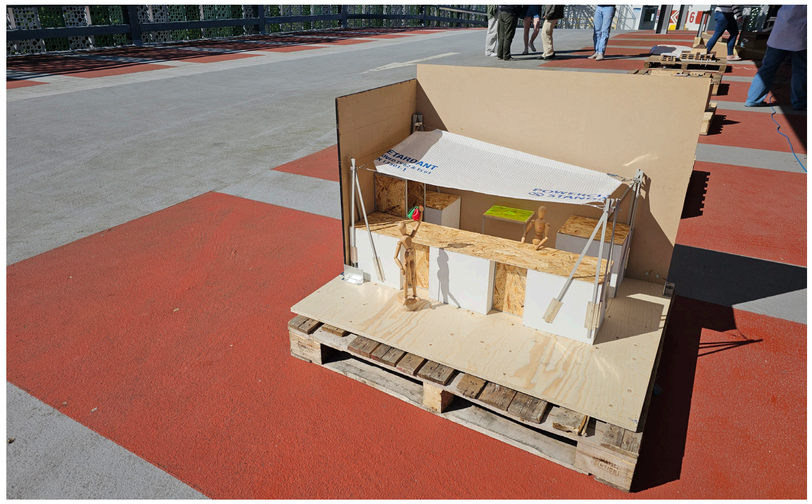
The students weren't directly marked for their group work, they were marked for the critical appraisal of their role and group work. This included focusing on:

• How they contributed to the organisation, planning,and execution of the Project, including evidence of their input

• Detailed individual critique of the Project, including proposed improvements

• Analysis of Instructions and Pitching Materials

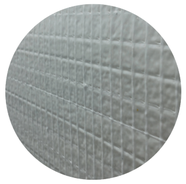
An example of a student's critical reflection on their group role



exhibition walkthrough

As all groups from the pop-up show got together, we decided on a green/natural theme as the site already had the colour in place. The aim for the exhibition stands that we created is that it can provide a space for the all of the hard work from Architecture (L6), Interior Architecture (L6), Product Design (L6), and the masters degrees to be rightfully showcased. As people walkthrough the arches inspired by garden arches, they will get to have a glance at multiple students' works at a time. The number of students that will be showcasing will be from 147-152 students and spread out per courses on the site.

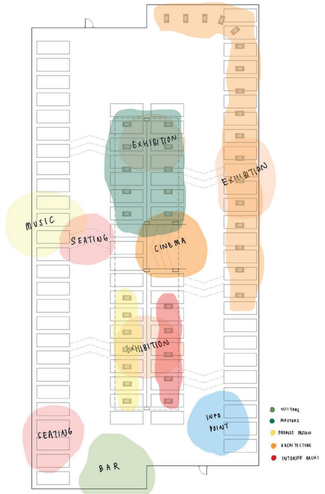
Plywood is an ideal material to make the exhibition stands as it is sustainable especially since we have to make a large quantity of them. It is incredibly durable and its life expectancy is very high meaning it can be used for years. Luckily plywood is also easy for us to find as we have multiple locations to access plywood.



Monarflex sheet is generally used at construction sites for scaffolding therefore it needs to be durable and stay strong during most weather conditions. As it is good for most weather including rain, it is also waterproof. Monarflex sheet are made of polyester yarn and have two layers of low density polyethylene protecting it. The sheet that we were able to get our hands on was found across the street on the construction site, this is another material that we would contact constructions sites for and keep the costs down.

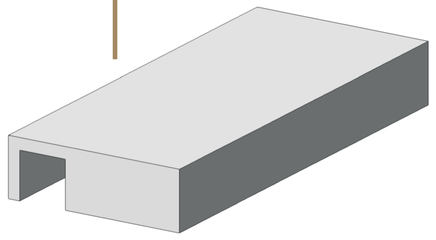
As we would like to keep the aim of this proposed exhibition stands to be as eco-friendly as possible, the stands would also require for water to be collected throughout the year. We would like to install a few water butts on top of the elevator areas/entrance areas. This would allow us to collect water throughout the year during the rainy weather days which would also be a smart way of saving water and just reusing the rainwater.

For this proposal, we would need approximately 39 exhibition stands with 4 students' work being presented per stand. Unfortunately this would mean that building this amount would be very expensive. Therefore instead of building them with only new pieces of wood, we would start contacting certain companies to partner up with to lower the price of the stands. It certainly would be an investment but if we contact construction companies, wood recycling companies and veolia environmental services with enough time taken into consideration, we could build the stands and they would be reused for many more degree shows as they can be easily reassembled.

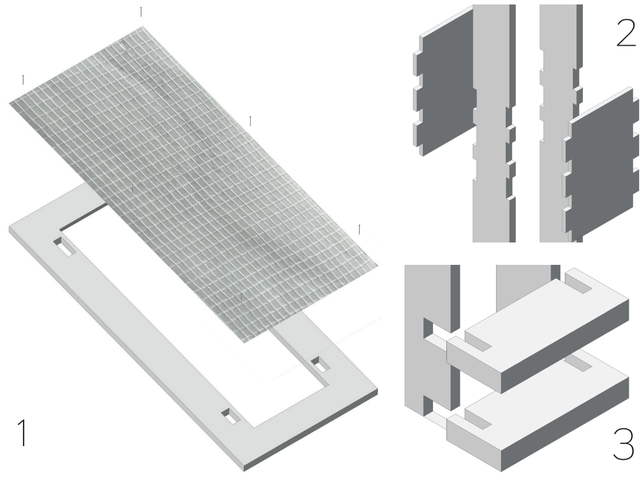


JUST A ROUGH PLAN
1:100

These containers would be collected throughout mithras that would be used as weight supports.



As the stands would not have enough space for larger models, we have also decided to use the site to our advantage and hook on pieces of plywood. These can be easily made and would not affect the expenses much as they are small and small pieces are more accessible.



As we wanted to make sure the model is temporary and also can be easily built if needed at any point, the slotting method (2 & 3) was the most ideal building method. It is also used throughout the other areas of the pop-up show which brings some unity. The monarflex sheet (1)would be nailed into the roof framing to make sure that the artwork would stay dry incase of bad weather.

instructions

1. Fix 240mm self drilling screws into diagonally opposite corners, drill pilot holes if necessary.

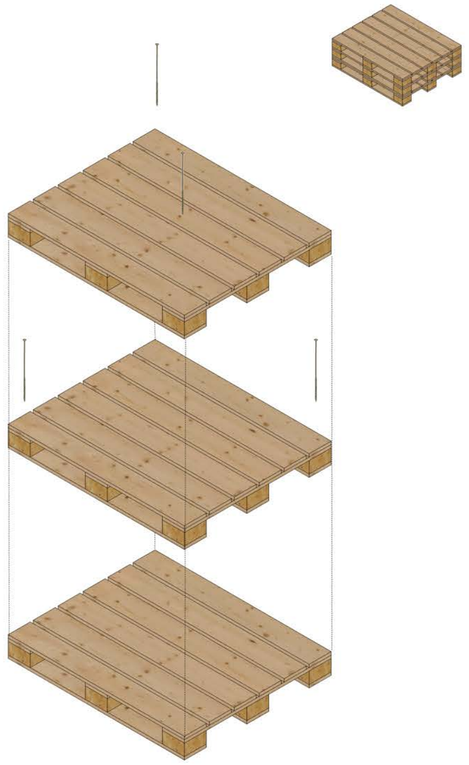
2.Arrange 4 stacks 3 pallets in height at 90 degree angles to adjacent pallets with a 200mm gap, centre a fifth stack on top and fix with angled steel deck fixings.

3.Fix timber wedges using appropriately sized screws to sides of top pallet stack, screw ply backrests to wedges.

4.Mount led striplighting to inside of top and bottom panel of lightboxes. fix panels of lightboxes together with concealed pocket hole screws and wood glue.

5. Connect led lights to appropriate transformer and position light boxes into gaps and on top.

6. Place cushions and secure to pallets with ratchet strap through loop on bottom side of cushions.



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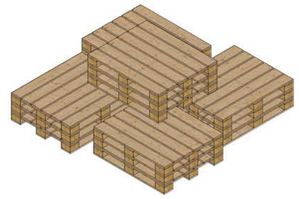

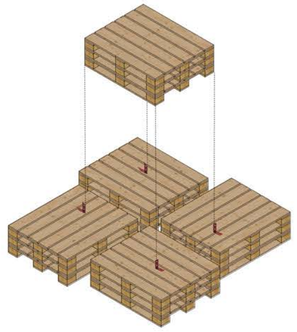

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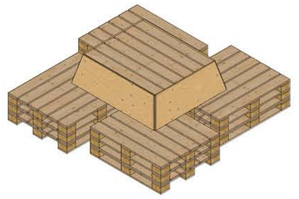

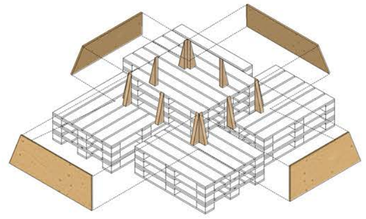

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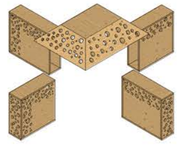

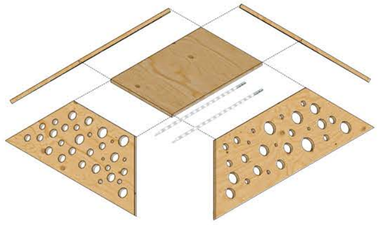

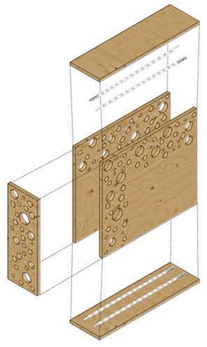

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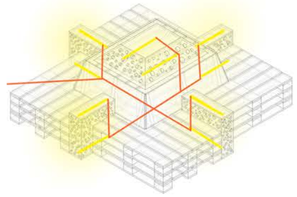

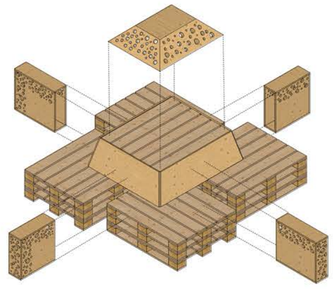

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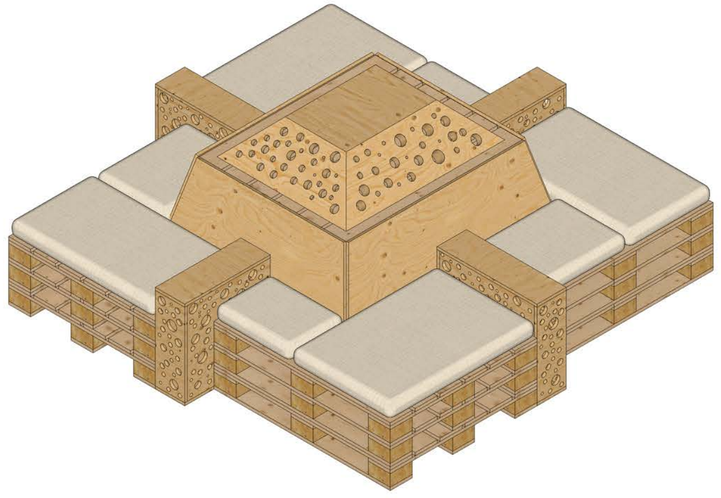
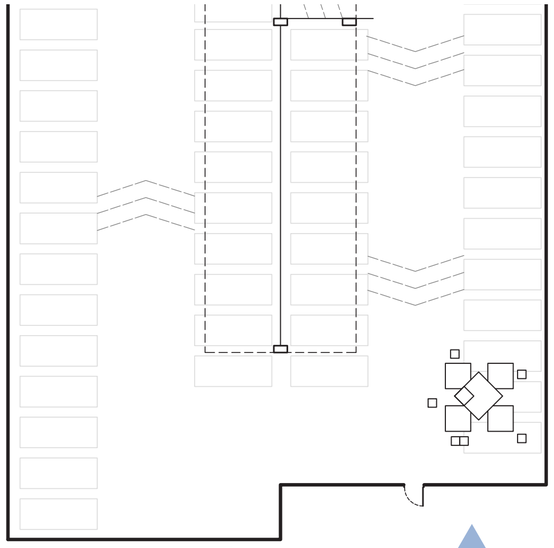


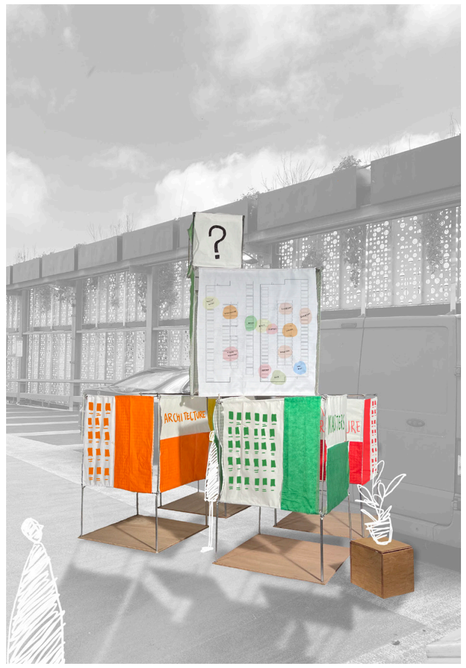
6.

Seating

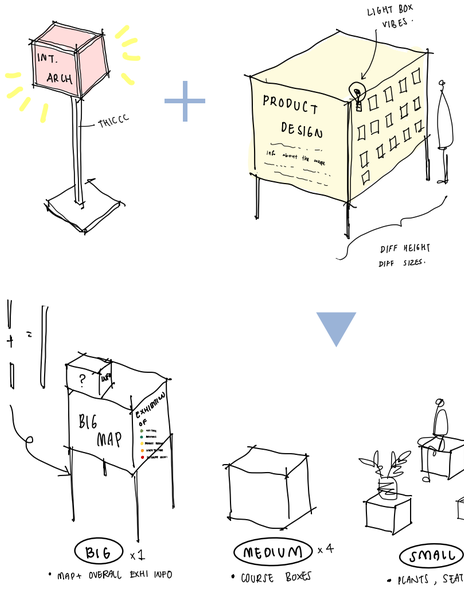
information point/wayfinder



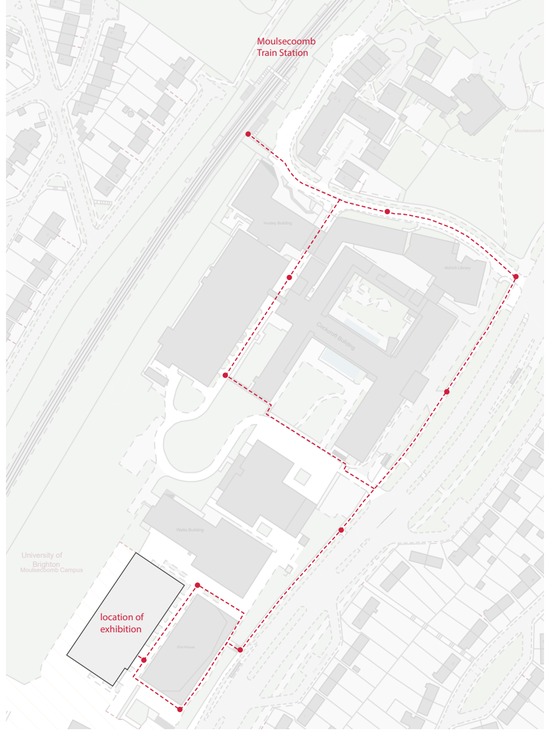
layout plan 1:250



information point

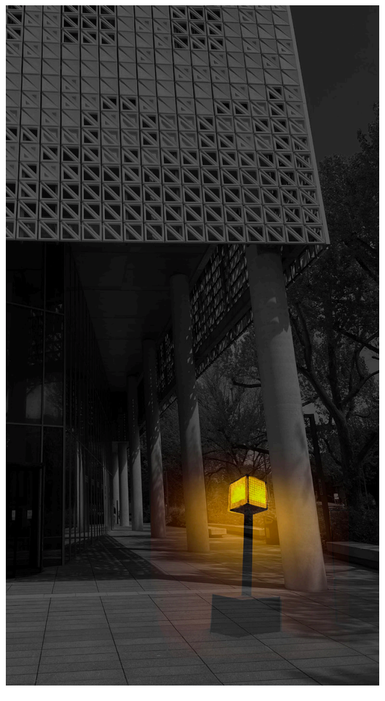


design sketches



wayfinder post direction points
pathway to exhibition from moulsecoomb station

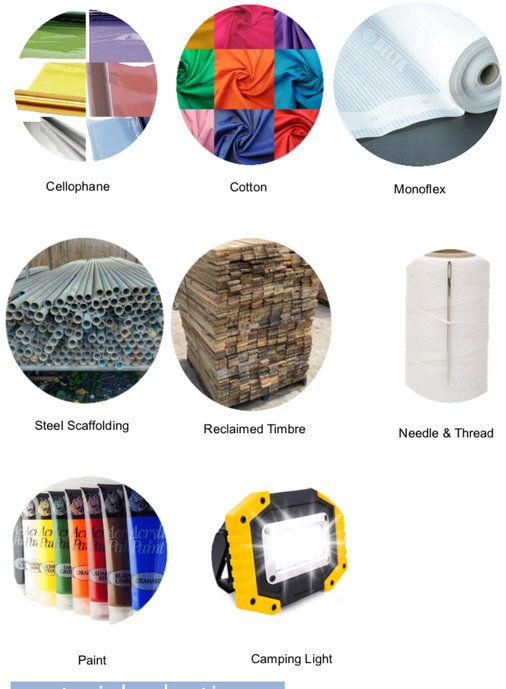
wayfinder post



paint on monoflex

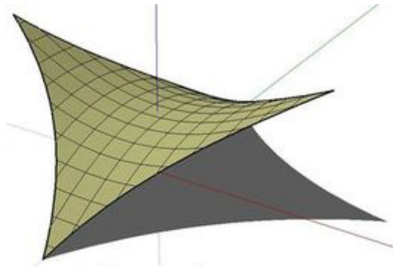
material experiment

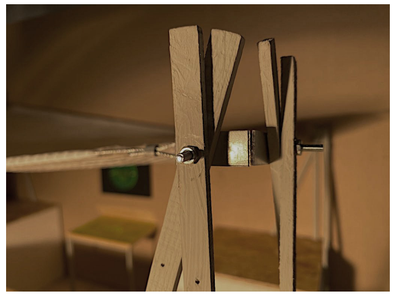
wayfinder banner



material selection

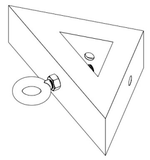
Following explorations into lightweight roof structures, it was decided that a tensile canopy would be the best way to go. This would consist of monoflex which will be pulled under tension using steel cable and turnbuckles



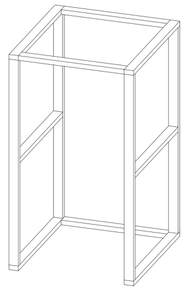


Monoflex Sheet

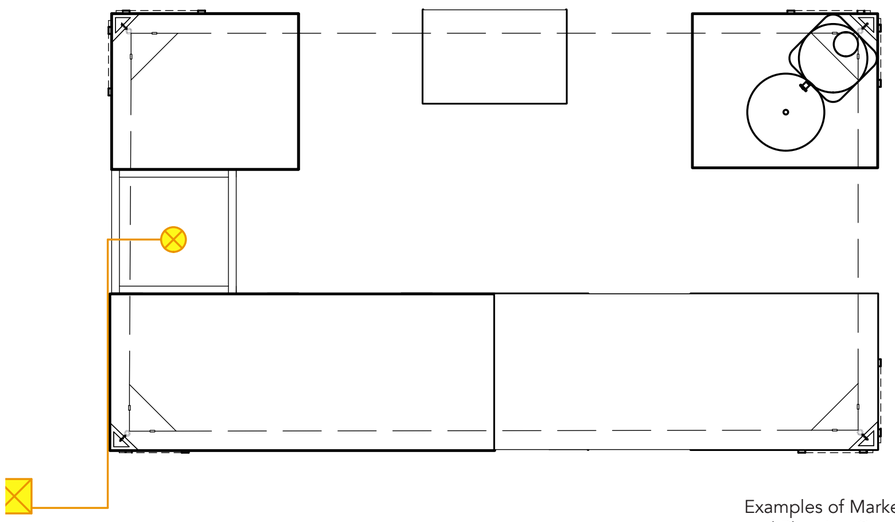
The supports will be reinforced using triangles made from the metal box section. They will have hook bolts attached to them, providing and anchor point for the turnbuckles.

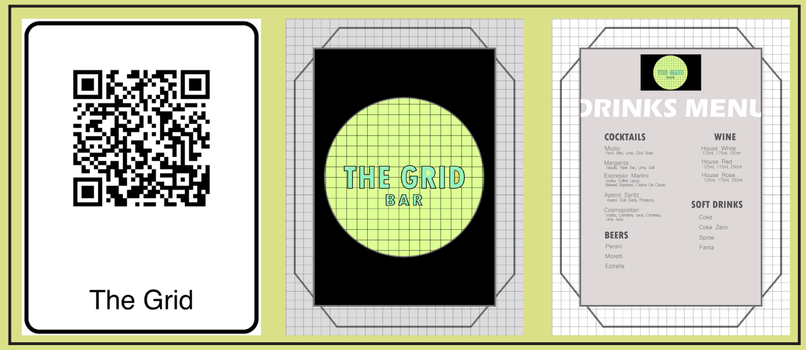


Inbetween the IBC tanks, will be metal box frames with OSB panels inlaid into them. OSB will also be used as tops for all structures.



OSB Boards





Examples of Marketing developed by the Marketing and Planning Groups, for the exhibition