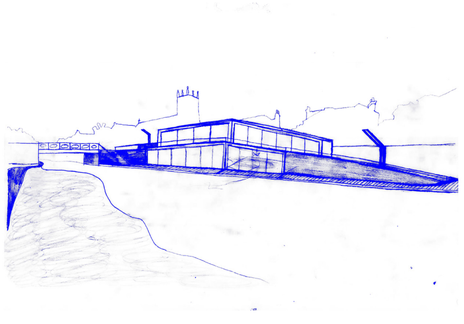
THE RE-UNION CANAL PROJECT

BY BRODIE MAUL

The Re-Union Canal Project is inspired by my passion for my local community and area, in which I have felt at home since moving to the United Kingdom in 2015. The project is centred in my belief of restoring and maintaining historical buildings, with the soon to be demolished Ashley Terrace Boathouse, on the Union Canal, becoming an experience for visitors and locals alike. The project is in partnership with two local organisations. the Edinburgh Union Canal Society and the Forth Canoe Club, focusing on their historical significance on the Union Canal and what it has to offer the Edinburgh and wider community.

Alongside restoring the original boathouse, I've created two new buildings to house a state of the art rowing and canoeing facility and a new hospitality venture to bring locals in the surrounding area together. The new Forth Canoe Club offers amenities including a gym, workshop, educational space, boat storage, public toilets and facilities for para-canoeing. The project is linked through the use of boathouse motifs and a new promenade bookended by the historical bridges at either end, providing better public safety and addressing congestions concerns on the Canal and National Cycle Route. Through the use of new motion activated lighting, commuters feel safer, whilst creating symbiosis between the user and the Re-Union Canal Promenade like a living organism.

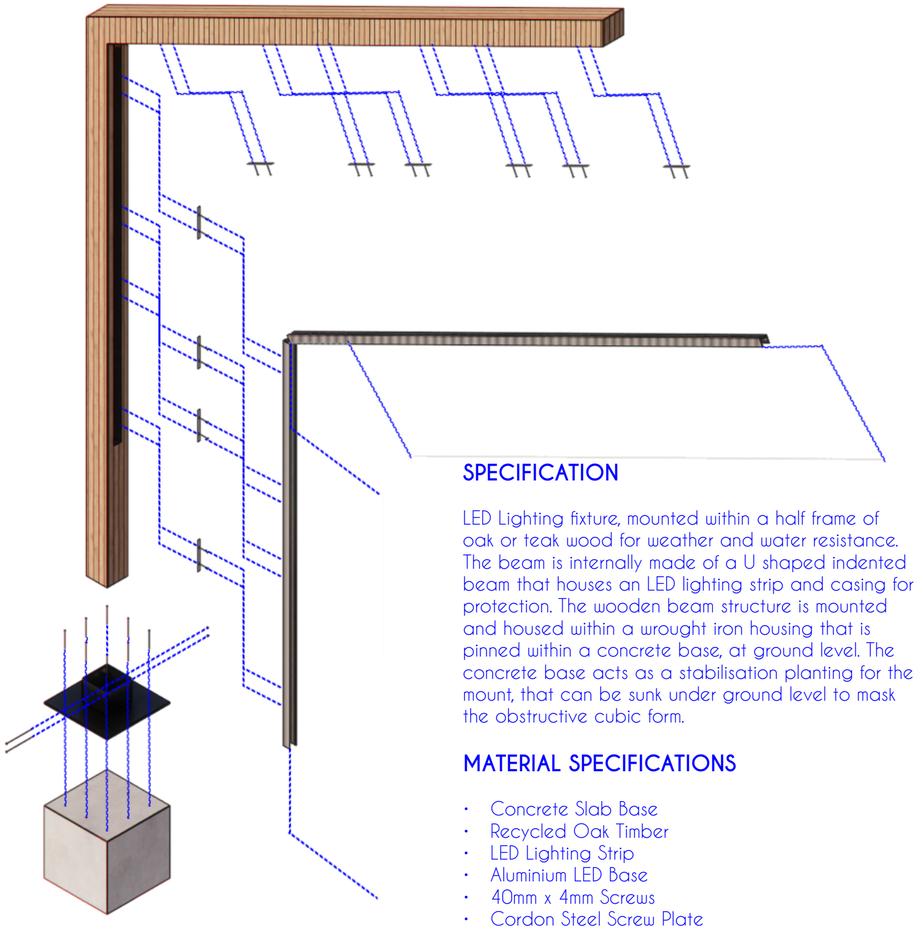


LED LIGHTING FIXTURE DETAILING

Through the detailing process, I have created a package of outdoor interventions that can be seen throughout the entire design. The materiality continues throughout the entire space and as such, creates a visual and material link throughout the entire design, leading the commuter through the space. Interventions such as public lighting fixtures, pergola panels, bench seating and hand rails complete this design. Inset LED lighting operates on a human centric basis, illuminating and glowing when it senses presence to address the current concern for public safety.

The bench seating can be configured for up to four people for seating, whilst can also be amended to only a two person requirement depending on the amount of chairs. The foundations of all the interventions are then housed in concrete slabs, that are buried into the ground level, with a further joist H beam is planted further into the ground for additional support and addresses issues that the natural elements and wear and tear create.

AXONOMETRIC



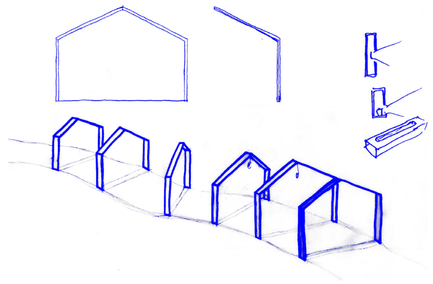
SPECIFICATION

LED Lighting fixture, mounted within a half frame of oak or teak wood for weather and water resistance. The beam is internally made of a U shaped indented beam that houses an LED lighting strip and casing for protection. The wooden beam structure is mounted and housed within a wrought iron housing that is pinned within a concrete base, at ground level. The concrete base acts as a stabilisation planting for the mount, that can be sunk under ground level to mask the obstructive cubic form.

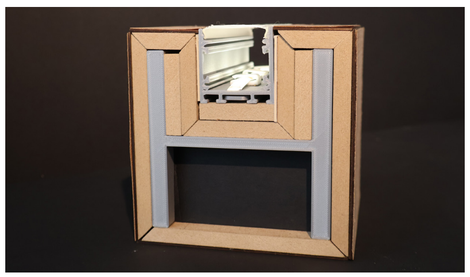
MATERIAL SPECIFICATIONS

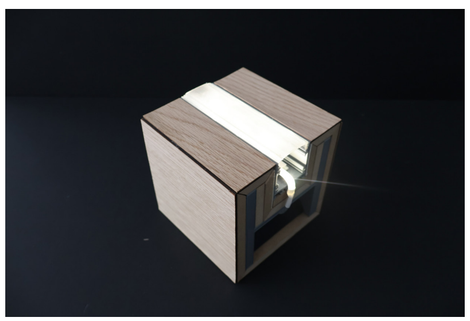
- Concrete Slab Base
- Recycled Oak Timber
- LED Lighting Strip
- Aluminium LED Base
- 40mm x 4mm Screws
- Cordon Steel Screw Plate
- 150mm Bolt Screw

1:10 MAQUETTE MODEL OF LED LIGHTING FIXTURE

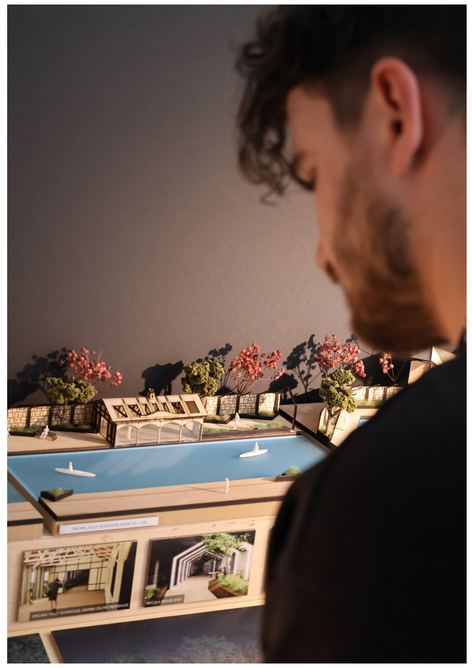


1:1 SECTION MODEL OF LED LIGHTING FIXTURE





MODEL PHOTOGRAPHY OF ALL THREE BOATHOUSES



WALK THROUGH TOUR OF THE RE-UNION CANAL