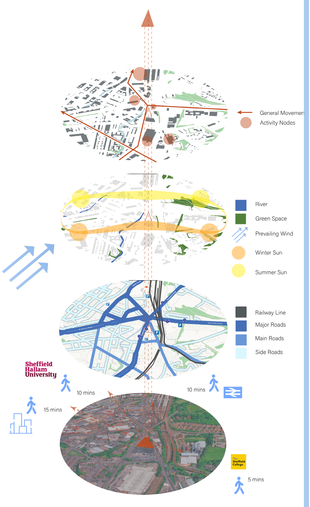
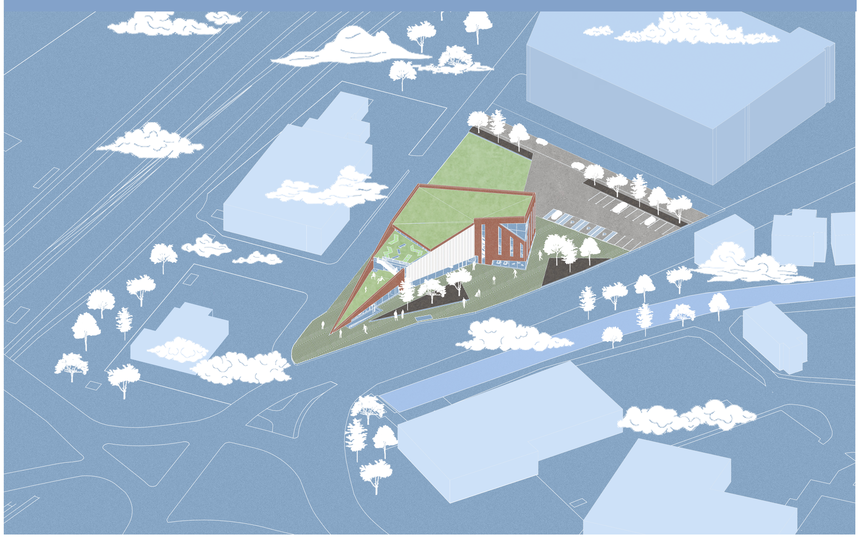
THE APEX CENTRE

Lewis Benson - 27843774
ARC3003

SITE ANALYSIS





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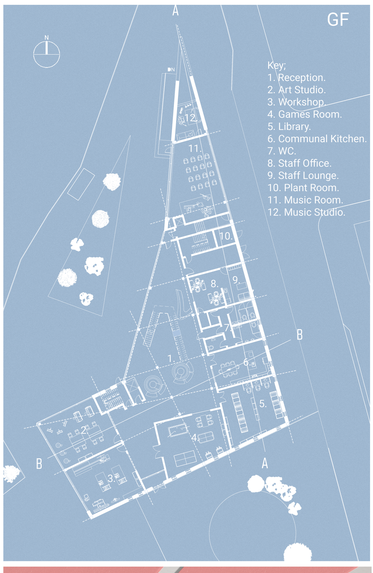

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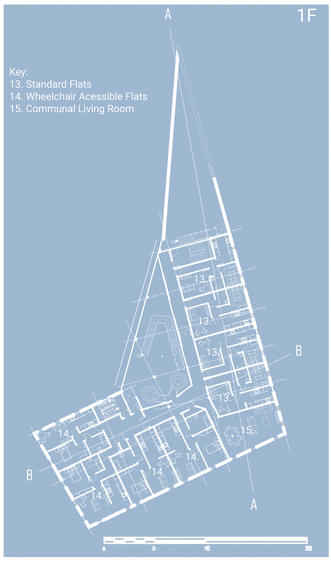

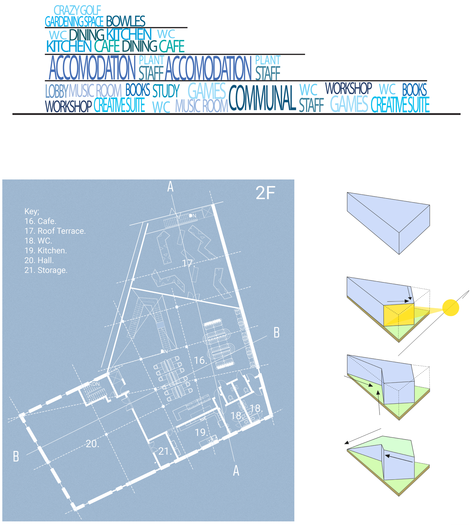

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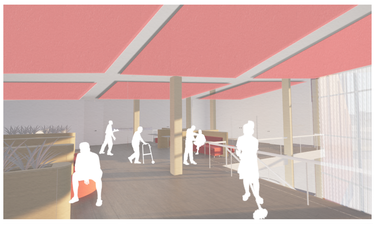
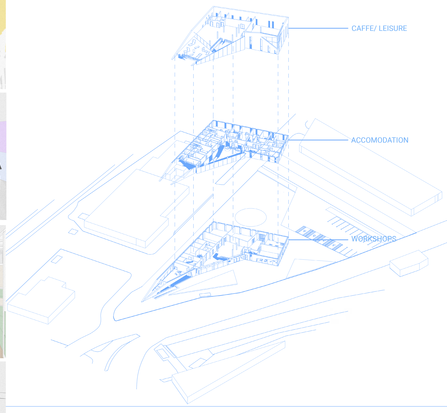
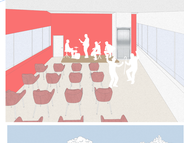
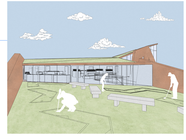
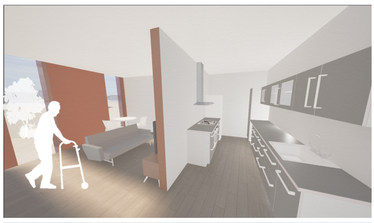


EXPLODED AXON

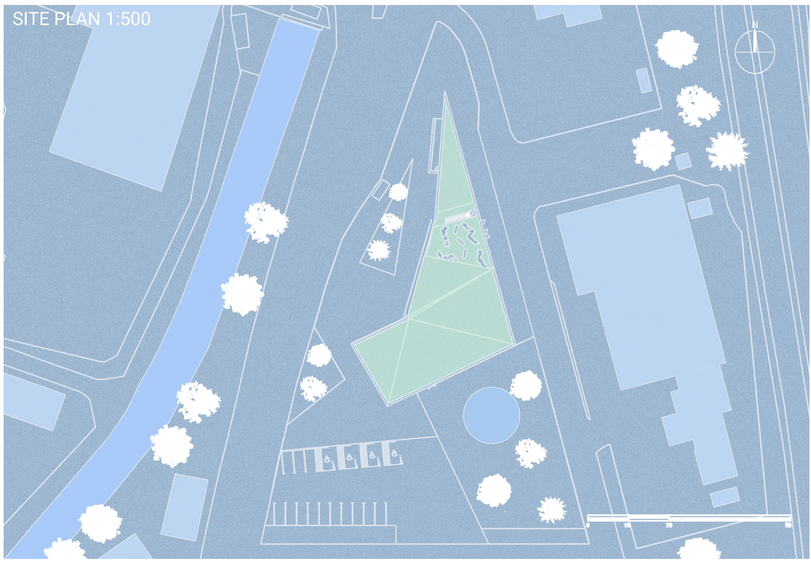


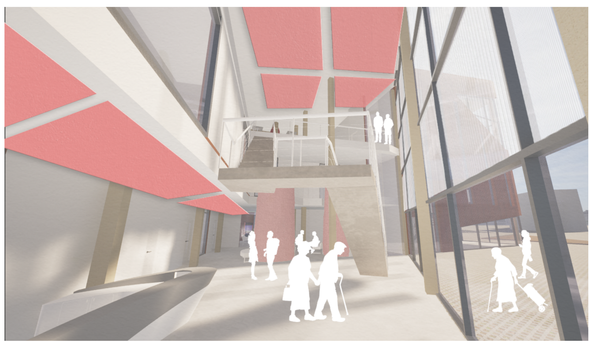


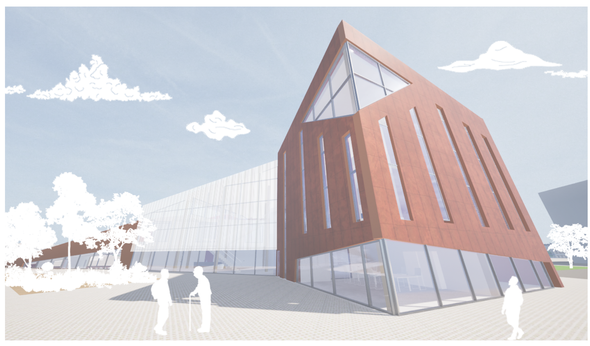




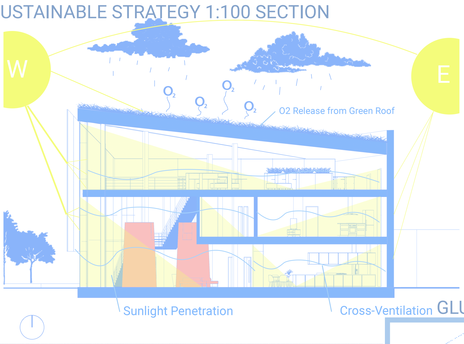
SITE PLAN 1:500



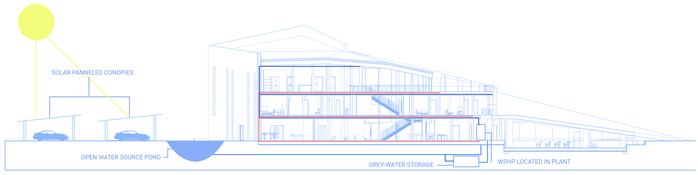




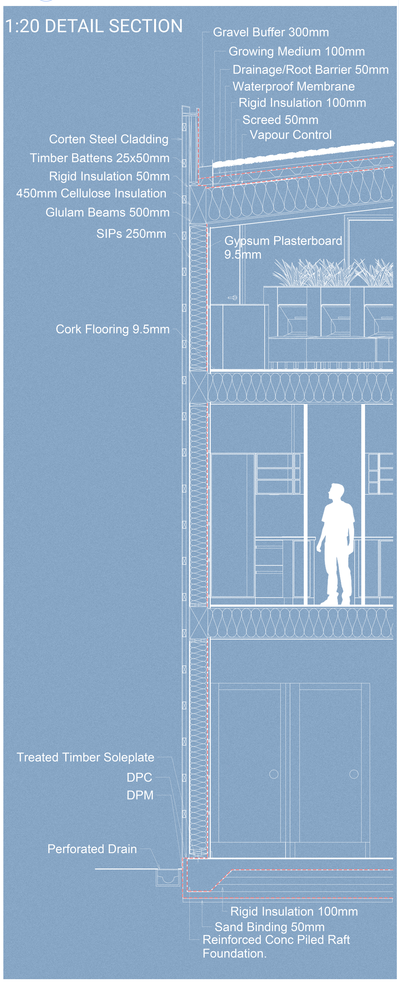
SUSTAINABLE STRATEGY 1:100 SECTION



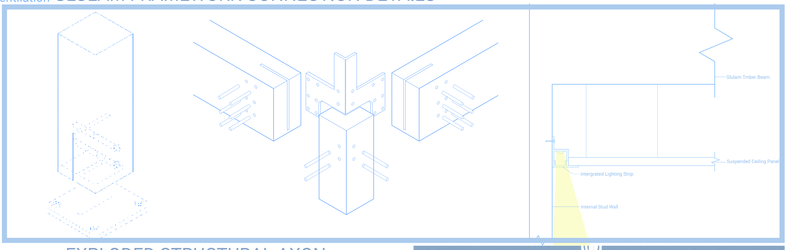
HVAC 1:200 SECTION



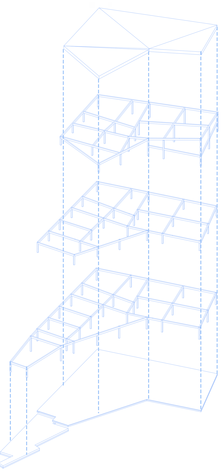
1:20 DETAIL SECTION

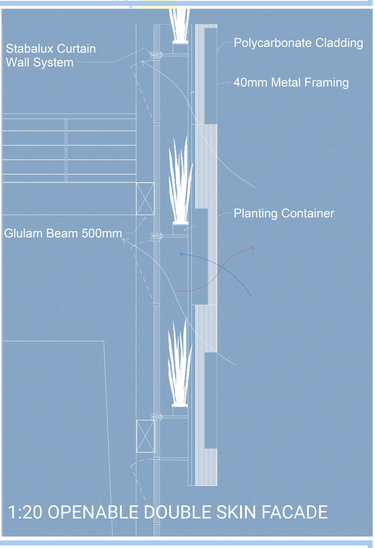


GLULAM FRAMEWORK CONNECTION DETAILS



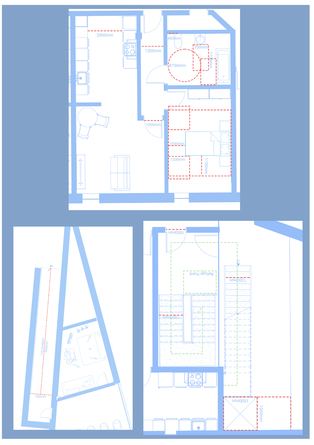
EXPLODED STRUCTURAL AXON

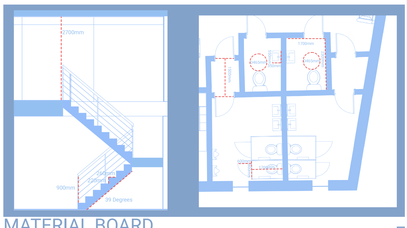




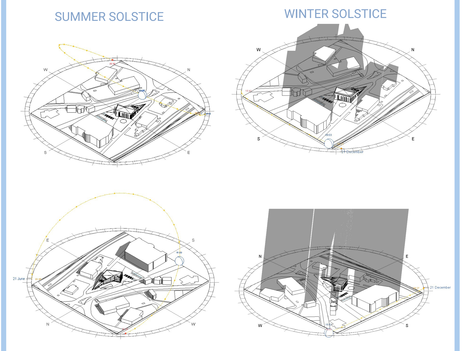
1:20 OPENABLE DOUBLE SKIN FACADE

REGULATORY COMPLIANCE MATRIX





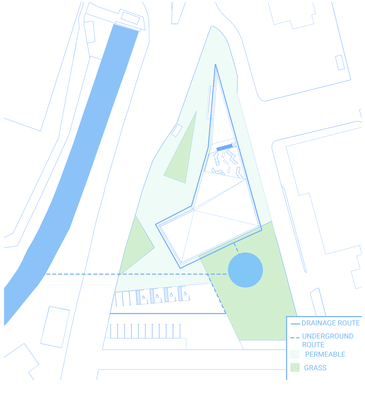
SOLAR STUDY - DESIGN SIMULATION



MATERIAL BOARD

MATERIALS	EMBODIED CARBON	FUNCTION / AESTHETICS	SUSTAINABILITY
SIPS	60KgCo2/m2	Specified as the paneling system for the external walls and roof system. Provides structural, acoustic and thermal performance.	Made from recycled material, provides U-values of 0.11 W/m2K.
CORTEN STEEL	25KgCo2/m2	Specified as the primary cladding material, intended to create an industrial and rustic feel, informed by the industrial context of the site.	Made from recycled steel sheets, the weathering provides extra durability and longevity.
GLULAM	100KgCo2/m3	Provides a warm feel to the interior, aesthetic finish eliminates need for covering. Contrasts with the industrial exterior finish.	Made from recycled timber, a renewable resource that provides a much lower embodied carbon, compared to convention alternatives. With a high strength to weight ratio.
CONCRETE	250KgCo2/m3	Specified for the raft foundation system, providing foundational strength, without excessive excavating.	Made with recycled aggregate. Provides long lifespan and durability.

DRAINAGE PLAN



FIRE PLANS