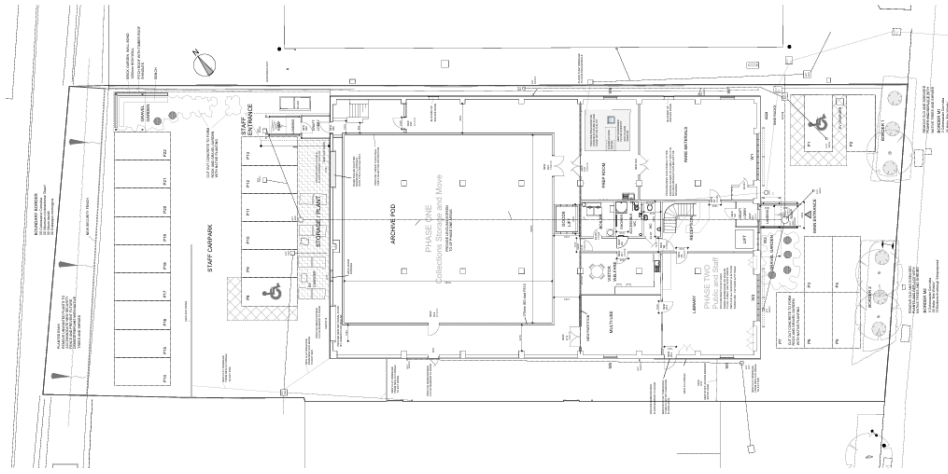




Proposed Site Plan 1:100

CASE STUDY: RESEARCH + COLLECTIONS CENTRE

THE SHAKESPEARE BIRTHPLACE TRUST



Overview:

Conversion / retrofit of existing 1400m² commercial unit into an archive and object storage and research facility with public access, for the Shakespear Birthplace Trust.

Challenge:

Retrofitting a high energy consuming retail unit into a sustainable, low energy facility towards net zero.

Provide collections storage pod with 4hour fire protection and with low energy stable environment solution.

Make the building welcoming and accessible to the public within a budget.

Solution:

Apply Stolwood Architects sustainable design checklist to apply appropriate sustainable and organic design. This includes passive cooling to the collection's storage using the existing concrete slab. Providing sun shade system to curtain wall glazing to the front elevation for solar cooling. This also provides UV protection to the archives, additional security and privacy. Our access audit identified the requirement of a wheelchair lift, door openings widened and entrance ramps.

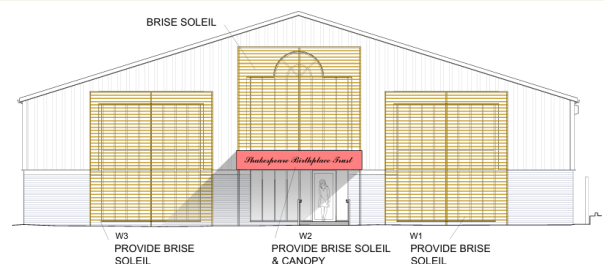
Result:

Applied sustainable design provides energy saving by passive solar shading and thermal storage cooling. The organic design uses natural materials and colours which contrasts with the industrial design. Producing an architecturally pleasing, welcoming environment that provides health and wellbeing benefits.

The main entrance is newly defined with access ramp and canopy with signage. The existing industrial architecture is enhanced with a solar shade system a climate change emergency adaption and progressive statement of the trust.

PROJECT BENEFITS:

- **Sustainable design**
 - **Energy saving**
 - **Health & Wellbeing**
- **Retrofit carbon savings**



Front South Elevation 1:50