



**CHARLES WELLS BREWERY
BEDFORD
BRISE SOLEIL & CANOPIES**

Brise Soleil & Canopies

Project: Conwy Cultural Centre
Client: Wynne Construction Ltd
Architect: Darnton B3 Architecture
Product: Free standing 200 Elliptical Louvre Canopy



Summary

Two Point Seven Facades Ltd provided a full turn-key package. We performed the design, manufacture and installation of a free standing aluminium brise soleil system, providing shading, reducing passive solar heat gains.

Building Description

A contemporary single storey building offering stunning views towards Conwy Castle and Walls. With a green roof which blends into Bodlondeb Park's leafy surroundings and landscaped grounds featuring an external reading court and garden. Conwy Culture Centre is an innovative co-location project that features:

- A new area library for Conwy, Deganwy and Llandudno Junction
- A new home for Conwy Archive
- An arts and heritage hub with interactive interpretation and historic collections on display
- A programme of accredited training opportunities for all ages
- Volunteer support and development opportunities for people all over the county

External Works

Two Point Seven Facades specified the use of our 200mm extruded aluminium elliptical aerofoil, set at 230mm pitch, to provide adequate solar shading to the glazed facade below. The brise soleil system was connected to a galvanised steel supporting structure using aluminium extruded secret fix clips.



External Works

Combining our structural engineer and design team we designed a structure to support the louvre canopy. The entire system needed to be independent of the buildings structure and curtain walling system. We used CHS galvanised steelpost, which was connected to concrete pad stones buried under the paving and landscaping.