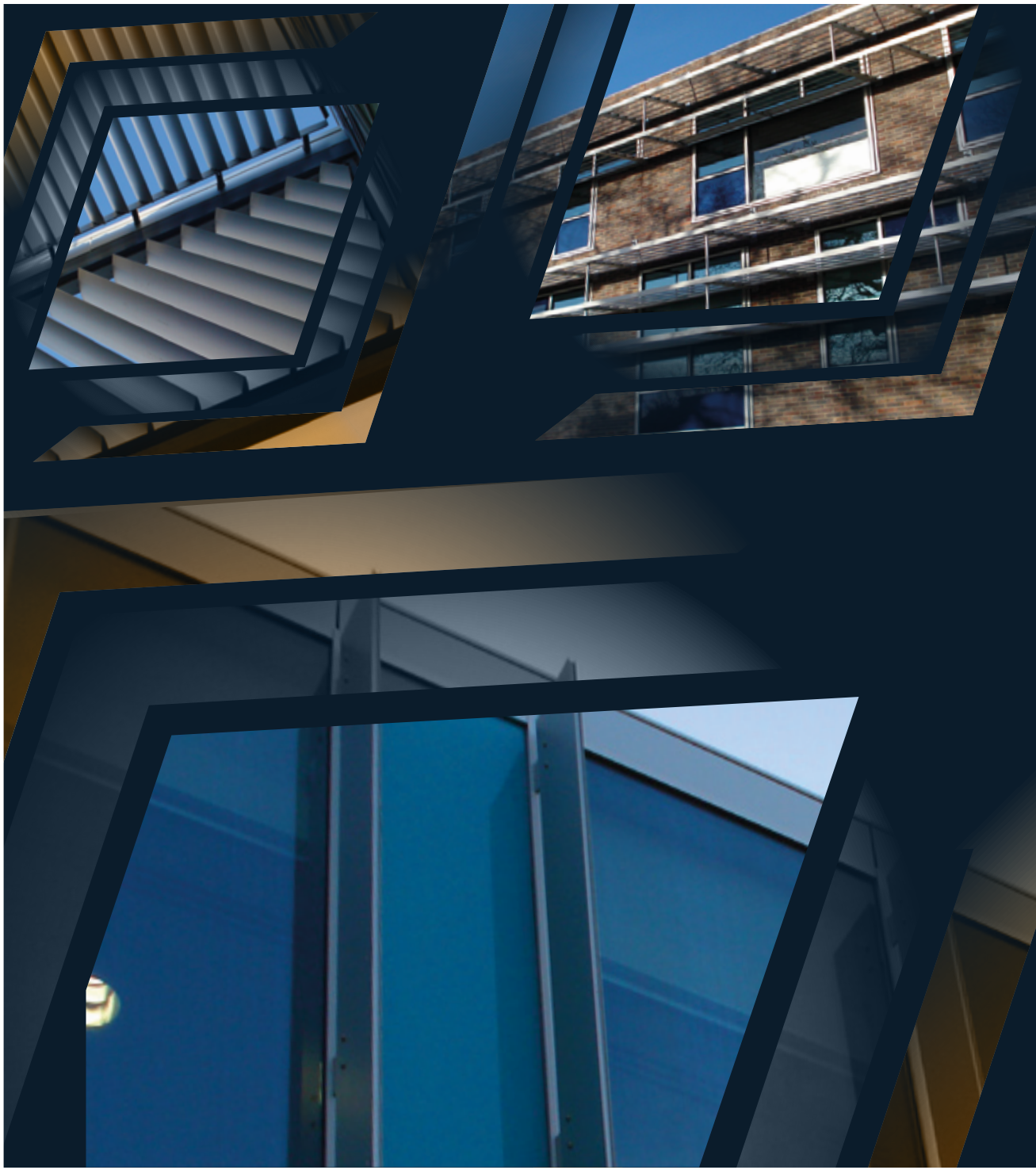

SOLINEAR

integration / imagination / innovation

Project:	Runnymede Civic Offices
Client:	Melayway Glass Assemblies Limited
Main Contractor:	Willmott Dixon
Project cost:	£196,000
Products:	HALO-400, Linear & AQ100 Louvres

Introduction

Solinear was awarded this difficult and design challenging project following an extensive design appraisal by the client Melayway Glass Assemblies Limited.

Task

The work scope required complex 3D modelling to be undertaken by our design engineers to establish complicated fabrication geometry for the trapezoidal horizontal and diagonally vertical shading structures required to the 6 no off light 'pods' features to the building perimeter.

Action

The HALO-400-65 'one-piece' elliptical blade profile was used to span the 6.0m shading support steels to the roof area. This blade profile was to be fitted at an angle of 45 degrees in cross section whilst rotated through an angle of 13 degrees in top view producing challenging fabrication shop compound angle cuts up to 1500mm long, precisely at the 3D-CAD shading model derived 'saw-turn/saw tilt' angles.

In addition Solinear also supplied 'Bespoke' trapezoidal shading 'fins' to the northlight roof glazing areas and slender, 4.0m long, natural anodised 'energy-shields' to the front elevation fitted back to the curtain walling system using machined aluminium CW-01 glazing brackets suitable for connection to the curtain wall mullions.

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