



TESCO Superstore - Cheshunt for Kier Southern Completed October 2008

Solinear was awarded this prestigious contract following an extensive design and tender submission and technical appraisal by the Main Contractor.

The proposals had to be fully compliant with the client and the project architect's design intent which required the production of new tooling to produce the bespoke solar blade profile required on this project.

The shading structure had to be designed to span between structural steel CHS columns at 7.0m centres along the line of the façade glazing to produce an array of 'floating' laminar fins as a feature to the whole of the 140.0 metre length of new front glazing façade to the superstore elevation.

Design calculations were prepared to the latest British Standard Code of Practice for Structural use of Aluminium in Buildings and the new tooling was produced to ensure that the solar blade was capable of supporting the design service loads expected with a slender mid-span

deflection support strut arrangement extending through the solar blade to a soffit mounted bracket assembly fitted as a first fix item prior to installation of the insulated soffit cladding boards.

The contract programme was 10 weeks from receipt of order to completion of all works to ensure that the Superstore could be fully opened 6 weeks before Christmas to avoid any disruption to trading during this key shopping period.

The new die required to produce the solar blade was designed and manufactured within 2 weeks with bulk material available to fabricate within a further 3 weeks thereafter to facilitate a 4 week installation programme.

This fast-track programme was a challenge successfully met by Solinear through dedicated and project management resources and the skills and commitment of its directly employed site fixing teams.

▼ *New Main Entrance enhanced using Sollex HALO-vx1 shading structure*



▲ *Main Entrance Facade Glazing Terrace with Sollex HALO-vx1 Feature*

Contract Particulars

Value: £83,000

Contract Period: 10 weeks

Client: Kier Southern
Rickmansworth
London

Site: Tesco PLC
Cheshunt Superstore

Date: October 2008



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