



Dalton Park

Client: Ballast Construction North East Year of Completion: 2002

Architect/Designer: Napper Architects

Design of membrane connections only, fabrication and installation. 7 no. Non-weldable PVC canopies totalling 5028m The Dalton Park Development consists of a series of single-storey retail buildings separated by a continuous street that runs the length of the site. The fabric canopies are located above these units, and span the width of the open street, providing partial coverage to the shoppers below.

The fabric canopy structures consist of stressed PVC-coated polyester fabric membranes, together with supporting cables, rods and a grade 50 steelwork frame. This statement should be read in conjunction with the Engineers drawings and Project Specification, which provide layouts, details and specification information for the structure and materials adopted.

Description of the Canopy Structures

The works consist of the following membrane structures:

Tent Type 1 Narrow Street Canopy (2 no;)

Tent Type 2 Wide Street Canopy (2 no;)

Tent Type 3 Knuckle Space Canopy (2 no;)

Tent Type 6 Entrance Canopy (1 no;)

There were originally planned to be 2 other tent types, covering the fast food outlet and the playground, but these were omitted post-tender. Arup drawing S.28.L.400 indicates the locations of all of the above canopies.

The canopies were erected approximately 4 to 6 metres above finished ground level, and are fixed to the roof structure of the surrounding single storey developments.

There are 2 number Tent Type 1 Street Canopies, each comprising approximately 1000m of stressed ...see <http://www.architen.com> for more information.