

Bardyke Chemicals

Cambuslang, Glasgow



Client:

Bardyke Chemicals Ltd

Architect:

None - PUNCH acted as Lead Consultant

Services Provided:

Civil & Structural Engineering Services

Project Duration:

Ongoing

Project Description:

PUNCH was the Civil & Structural Designers, as well as the Lead Consultant for this project. The building was used as a chemical manufacturing & packaging plant.

Our services included full Civil & Structural design from concept stage right through to the completion of the construction works on site.

The proposed works involved the replacement of 6 concrete portals with new steel frames and form new 2 & 3 bay extensions at west end of the south building.

The works also involved the removal of asbestos cement sheets (walls & roof) from the south building, and replaced with insulated profiled steel sheets by Metecno Bausysteme GmbH.

Following consultations with SEPA, the existing water treatment and supply did not need to change to satisfy the new proposals. Surface Water Drainage proposals were detailed in accordance with the principles of the SUDS Manual (C697) and the Water Environment (Controlled Activities) (Scotland) Regulations 2011.

Trial pits confirmed strata as firm/stiff clay with a safe bearing pressure of 150kN/m². The structure was supported on concrete strip foundations & pad foundations. The design also incorporated a ground-bearing concrete slab.

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