



## NEW OFFICES FOR JOHN TINNELLY & SONS LTD, NEWRY

Three Storey Office Building

Client: John Tinnelly & Sons Limited

### SUMMARY:

**Value:** £750,000

**Architect:** A-Three Architecture

**Status:** Complete

### Services Provided:

Detailed Structural Design

Detailed Drainage Design

CDM Co-ordinator

This Building consists of a three storey steel and blockwork office structure with a lightweight mono-pitch roof and decorative facing block exterior. The floor area is approximately 8500 sq.ft.

The structural system is a combination of steel framing and loadbearing blockwork walls. The foundations are reinforced concrete ground-beams supported on pad foundations and concrete trench-fill piers. Lateral stability is provided by a central blockwork lift shaft. The floors are constructed of long-span precast concrete units creating a column free interior each side of the central lift core.

The project had many challenges including the variable ground conditions transitioning from high level hard granite at one end to peat fill at the other.

Nicholas O'Dwyer was responsible for all stages of civil / structural design, and also served as the CDM coordinator.



Nicholas O'Dwyer  
CONSULTING ENGINEERS