



## NEW CONVENT AT ASHGROVE AVENUE, NEWRY

Two Storey Steel Framed Residential Building

Client: Sisters of St Clare

### SUMMARY:

**Value:** £3.4 million  
**Architect:** O'Hagan & Associates  
**Status:** Complete

**Services Provided:**  
Detailed Structural Design  
Detailed Drainage Design  
Project Supervision

This building consists of a two storey steel framed structure, curved on plan, with a mono pitch sloping roof. A chapel building, circular in plan, adjoins the main building. The floor space area is approximately 2800 sq.m.

The structural frame consists of steel beams and columns supporting precast concrete floors. All walls are non load-bearing blockwork infill. The foundations are reinforced concrete strip and isolated foundations.

The project had many challenges including the curved walls which required each of the 100+ steel columns to be set out at different orientations.

Nicholas O'Dwyer was responsible for all stages of civil / structural design, liaising with the design team and client well in advance of the planning submission.



Nicholas O'Dwyer  
CONSULTING ENGINEERS