



## PHASE A OF A TWO PHASE TRAUMA AND ORTHOPAEDIC THEATRE DEVELOPMENT AT CRAIGAVON AREA HOSPITAL

Client: SH&SCT

### SUMMARY:

**Value:** £1.5 million  
**Status:** Complete March 2009  
**Project Manager:** Health Estates  
**Lead Consultant:** Milligan Reside Larkin  
**Architect:** Milligan Reside Larkin / P.O'Hagan  
**Main Contractor:** Farrans Healthcare  
**Struct/Civil Engineer:** Nicholas O'Dwyer Ltd in conjunction with Greg Seeley Consulting Eng.  
**CDM Co-ordinator:** Nicholas O'Dwyer Ltd

### Accommodation Provided:

1 no. laminar flow operating suite with ancillary accommodation, first floor shell construction with second storey plant room and electrical infrastructure works

This project formed the first phase (Phase A) of a two phase Trauma and Orthopaedic theatre development. The theatre suite comprises a modular laminar flow surgery theatre with prep room, anaesthetic room, storage facility and duty utility room. The plant was enclosed on the roof.

Poor ground conditions entailed the use of piled foundations with an integrated ground beam and floor slab. Considerable service diversion was required and close co-ordination between proposed and existing services in the ground was needed. A continuous flight auger piling system was employed to eliminate vibration or sound issues as the location of the building was in close proximity to existing and functional hospital facilities such as laboratories and wards.

A tight construction programme (1 September 2008 to 13 March 2009) was achieved by constructing a superstructure of steelwork and precast concrete units. Superstructure cladding comprised a combination of masonry and insulated architectural panels with selected panels being designed to be removed to allow full integration with the following Phase B construction.

Nicholas O'Dwyer acted jointly with Greg Seeley Consulting to provide structural and civil engineering services. Nicholas O'Dwyer also provided overall CDM Co-ordinator services on the Project. The project was delivered 3 weeks early and within the contract sum of £1,572,000.



Nicholas O'Dwyer  
CONSULTING ENGINEERS



Southern Health  
and Social Care Trust



HEALTH ESTATES  
creating healing environments