



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

Client: SH&SCT

SUMMARY:

Value:	£8.5 million
Status:	Complete March 2010
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:

Operating suite with ancillary accommodation, first floor shell construction with second storey plant room and electrical infrastructure works

This project formed the second phase (Phase B) of a two phase Trauma and Orthopaedic theatre development. The theatre suite comprises a modular surgery theatre with prep room, anaesthetic room, storage facility and duty utility room. The plant is enclosed on the roof with an intermediate shell construction.

Poor ground conditions entailed the used 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.

The structural frame is a flat slab reinforced concrete design, chosen primarily to accommodate the extensive mechanical infrastructure and to allow for critical void openings and minimal column interference. The plant is enclosed on the roof in a steel and architectural clad envelope.

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 contract was awarded under a Performance Related Partnering process to Farrans Healthcare.



Nicholas O'Dwyer
CONSULTING ENGINEERS



Southern Health
and Social Care Trust



HEALTH ESTATES
creating healing environments