

# Connolly Hospital - New A&E Department

Blanchardstown, Dublin

This project consisted of a single storey extension to the existing emergency department in Connolly Hospital. The HSE required an additional isolation room suite and two number additional emergency resuscitation rooms along with associated ancillary rooms as part of the COVID emergency works.

Given the urgent requirement we used our Elliott Fast Track construction solution. The Elliott Fast Track system consists of a raft slab, Prefabricated SFS loadbearing structure with and SFS roof truss build up. The external envelope is rendered with an A1 Classified rockwool insulation render system.

Typically with modular solutions there is a long design period and then a long manufacturing period but with Elliott Fast Track we were able to mobilise on site within 2 weeks. While we were diverting the ex-isting services out from under the footprint of the building and installing the raft slab, the SFS prefabricat-ed wall panelling was being designed and manufactured. The design of the SFS frame also incorporated hot rolled steel needed to support the 2 medial pendants and provide the rigidity to the meet the maxi-mum deflection deflection limits specified for the medical pendants. Once the slab was poured the pre-fabricated wall panel and roof trusses were installed in 10 days.

A tapered insulation system was used on the roof and layed complete within 5 days. This meant that the building was weather tight and ready for internal install progress within 15 days after the slab was poured. This 1st fix M&E and internal finishes to commenced whilst the windows and the external ren-der were being installed. This process maximised the use of time on the programme. Prior to 1st fix com-mencing fully coordinated services drawing and submittals were approved by the design team. This coor-dination also involved input from the specialist equipment providers such as the Automatic sliding door supplier, medical bed head trunking supplier, specialist ventilation supplier, Pneumatic tube supplier, medical pendant supplier, medial gas supplier.

The order for all of these items of equipment including the air handling units and chiller had to be placed within the first few weeks of the project due to the lead in times and fast track nature of the project.

Overall the programme was 22 weeks from commencement on site with only very limited preliminary design done to handover including demonstrations to the end users. As with any Emergency department or HSE facility the standard of finish and quality of products used are of an extremely high standard.

The manner in which our site management team interfaced with the Hospital and Estates team on a live acute hospital campus was another key to the projects success.



Client:	Mr. Philip Totten (HSE Chief Assistant Technical Services Officer)
Value:	€2,900,000
Size:	Lab Department
Duration:	4 Months
Architect:	MCA Architects
QS	Desmond MacGreevy & Partners
Services Engineering:	Varming Engineering

