



Project Fact Sheet
CLAREGALWAY EDUCATION CAMPUS, CO. GALWAY



CLAREGALWAY EDUCATION CAMPUS, CO. GALWAY



Client: Department of Education
Awarded under the Rapid Build Schools Programme 2017 -2019

Project: Lot 7 Coláiste Bhaile Chláir Extension and Renovation of Existing Building, Claregalway, Co. Galway and Lot 7 Claregalway ETNS Claregalway, Co. Galway

Value: €13.25 million

Stage: Completed.

FACTFILE

This project was let on a Design and Build basis as part of the Rapid Build Schools programme. ABM's role in the project was as Main Contractor and Project Supervisor for the Construction Stage (PSCS).

The responsibilities of ABM in delivering the project were:

Contractors Representative

Design and Construction team leader

To manage the design team members in the development and co-ordination of rapid build construction techniques and to ensure that the relevant information was available to achieve both the rapid start on site date and to adhere to the fast track programme

SCOPE OF WORKS

The two schools were constructed on the same site which accommodated the existing Coláiste Bhaile Chláir Post Primary school, project description for each as follows;

A) The provision of a new 2 storey, 3889 sq.m. extension to the existing Post-Primary School, Choláiste Bhaile Chláir, including 2-classroom special needs unit and sports hall with all ancillary pupil and staff facilities.

B) A new Claregalway Educate Together National School consisting of a new 2-storey, 16 classroom, 3,064 sq.m. Primary School with a 2 classroom special needs unit, including all ancillary and staff facilities, GP Hall.

C) Work to the Bhaile Chláir Existing Building, Claregalway, Co. Galway.

D) All associated site works with 57 number additional car parking spaces (32 new spaces for Primary and 24 additional spaces for Post Primary) including all landscaping, ball courts and soft play areas to both schools.



QUALITY OF CONSTRUCTION

- Off site techniques used for the ETNS building included panelised metal frame external wall panels insulated off site and delivered to site in addition to precast hollow core slabs, so as to fit within the hot rolled steel frame. The Post primary extensions internal and external walls were constructed off site using solid precast concrete walls. These were delivered to site and craned into positions. Electrical conduits were cast into the wall panels in areas.
- Kingspan Roofing Panel designed and cut off site to allow rapid roof fixing and weathering of the works. This (together with accelerated glazing system and LGS Frame system) allowed internal finishes that are moisture sensitive to commence earlier in the programme.
- Aluminium window & Door System were designed and manufactured off site to pre agreed ope sizes from Architectural drawings. This allowed immediate installation of the glazing systems immediately after the LGS frame internal leaf was installed, thus reducing manufacturing lead times.
- Light Gauge Steel Frame utilised for internal leaf of external walls, and for all internal walls. This allows for internal walls to be designed and materials manufactured off site and delivered site ready for installation This system used in conjunction with Gypsum wall boarding greatly accelerated internal wall completions and the forming of the internal leaf of the external wall.
- Pre Hung-Door Setts: Due to the precise tolerances provided by the LGS internal wall frame system, it was possible to deliver Doors and Frames pre hung to pre-determined sizes, reducing manufacturing and install times.
- Pre-Cast Concrete Floor Slabs, Precast Stairs & Landings and permanent metal deck floor slabs were utilised on the first floor to reduce concrete curing times associated with traditional shuttered floor slabs.
- Structural Steel Frame was designed and manufactured off site whilst preparatory ground works were undertaken, allowing for the immediate erection of the steel frame once holding down bolts were in place.



CLAREGALWAY EDUCATION CAMPUS, CO. GALWAY



ABM Contractors
Unit 2b, Feltrim Business Park
Drynam Road, Swords, Co. Dublin.
K67 TX95.

Tel: +353 (0)1 890 0919
Email: info@abmcontractors.com



www.abmcontractors.com