

BUILDING FOR THE FUTURE

Project Fact Sheet

Pelletstown Educate Together National School
Rathborne Vale, Ashtown, Dublin 15.

Department of Education





PROJECT: Lot 1B - Pelletstown Educate Together National School, Rathborne Vale, Ashtown, Dublin 15

CLIENT: Department of Education
Awarded under the Design and Build Schools Programme 2020 - 2021

VALUE: €10.8 million

STAGE: Completed December 2023

DESCRIPTION:

The project consisted of the design & build of a three storey, split level school building, Pelletstown ETNS. It will facilitate a 16-classroom primary school with a two classroom Special Needs Unit. The design also includes a general-purpose hall, support teaching spaces and ancillary accommodation. The school is three storeys with a single storey element.

The school also incorporates a rooftop play space, ground floor external play areas and special needs unit play-spaces and an external ball court. Works also included associated car parking, bicycle shed, access road, landscaping, connections to public services and all associated siteworks. The site is a circa 0.521 Hectare site located at Lands adjacent at Rathborne Vale, Ashtown, Dublin 15. The site entrance is off Rathborne Vale.



SCOPE OF WORKS:

ABM's role in the project was as Main Contractor and Project Supervisor for the Construction Stage (PSCS) undertaking 100% of the Construction works and Lead Designer and Project Manager of the Design and Build project.

Prior to commencing on Phase 1 temporary accommodation buildings were installed and secured using Heras fencing and existing palisade fencing, and reduced dig works commenced immediately.

The foundations were excavated to black bolder clay substrate this was found at varying depths within the footprint of phase 1 and lead to some areas being excavated to a depth of up to 3m and being brought up in lean mix concrete. The foundation detail consisted of reinforced strip footings which were then poured, with 20mm diameter starter bars which were cast into the strip footings at approximately 1.8m centres.

The building frame was constructed using precast concrete wall panels and hollow core concrete floor slabs topped with concrete screed. Some structural steel was incorporated into the concrete frame design and installation to facilitate cantilevered slab areas and flat roofs.

The concrete frame was erected in 2 parts, due to site constraints the GP hall foundations were poured and covered over to allow for space for a 200 tonne crane to be brought onto site for the lifting of the walls and hollow core slabs to the 2-story teaching block. Once the superstructure for the teaching block was in place the rising walls and ground floor slab to the GP Hall were then completed. With the GP Hall walls and roof being craned into place. This allowed for the M&E works to commence internally to the teaching block while the structural steel and decked roof were being craned into the GP Hall.

The buildings external envelope was made up of 90mm insulation fitted tight to the outer face of the precast wall panel, 60mm air cavity, with rendered blockwork, brickwork and areas of outer brick cladding and some rain screen and Prefa cladding. Rooflights opes in each roof level were formed in the roof via the precast frame. These were trimmed out as necessary to provide for rooflights installation in areas where additional daylighting was required to be provided to satisfy requirements.

PELLETSTOWN EDUCATE TOGETHER NATIONAL SCHOOL



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

www.abmcontractors.com

T: +353 (0)1 890 0919

E: info@abmcontractors.com

