

BUILDING FOR THE FUTURE

## Project Fact Sheet

**St. Marys National School,  
Donnybrook, Dublin 4.**

Department of Education





**PROJECT:** Lot 1A - St. Marys Central National School, Donnybrook, Dublin 4.

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

**VALUE:** €26.5 million

**STAGE:** Completed September 2023

**DESCRIPTION:**

The project comprised of a 16no. classroom primary school building with general purpose hall, support teaching spaces and ancillary accommodation, with a total floor area of 2710m<sup>2</sup>. The new school is two-storey with a single storey element. The site works to the school grounds consisted of the provision of 132 no. cycle storage spaces, scooter storage, bin store, external store, ball courts, project gardens, play areas, landscaping and boundary treatment and all other associated site development works.

The works to the remainder of the site consisted of the provision of 16 no. parking spaces including 2 accessible parking spaces, drop-off and pick-up facilities. The remaining site contains grass/green area, with the existing trees and paths largely maintained. Hard standing and formal play areas are confined to the 2 ball courts to the south and the courtyard space formed to the north of the school.



**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.

The building frame was constructed using precast concrete wall panels and hollowcore concrete floor slabs topped with concrete screed on strip foundations. Some structural steel was incorporated into the concrete frame design and installation to facilitate cantilevered slab areas & staircase landings. The prefabricated wall panels and hollowcore slabs were delivered on an as-needed basis.

The concrete frame was erected in two halves. Due to space constraints on site with the presence of mature ash & sycamore trees, it was necessary to complete the concrete frame and roof steel installation in two distinct phases. The foundations for Phase 2 could not be commenced until the roof steel for Phase 1 area was complete, as otherwise crane access to the rear of the site (and to Phase 1) would have been lost.

The buildings external wall was made up of 90mm insulation fitted tight to the outer face of the precast wall panel, 60mm air cavity two different types of brick cladding and some Prefalz aluminium cladding on some elevations. The wall tie system for the outer leaf was the Ancon brick tie channel type, with vertical channels fitted through the insulation with compression sleeves, and then Ancon wall ties connected into the channels at the appropriate centres to restrain the outer leaf brickwork.

A combination of pitched roof surfaces with Iko membrane & standing seams on insulation on roof deck fitted to a structural steel frame, and felt roof surfaces on insulation on screed laid to falls on hollowcore slabs were used. The top level precast roof walls were cast with notches to allow the sheeting rails to cross over the internal walls. Without such notches, the rails would have been fixed to the tops of the walls, thereby increasing the height to the top of the roof ridge, and creating a greater area internally for airtightness, fireproofing and acoustic works to be completed.

Rooflights opes were trimmed out as necessary to provide for rooflights installation in areas where additional daylighting was required to be provided to satisfy requirements.

# ST MARYS NATIONAL SCHOOL, DONNYBROOK



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

[www.abmcontractors.com](http://www.abmcontractors.com)

T: +353 (0)1 890 0919

E: [info@abmcontractors.com](mailto:info@abmcontractors.com)

