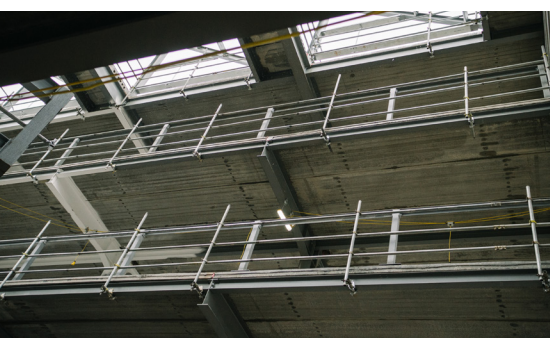


# FP MCCANN'S PRECAST CONCRETE PRODUCTS SPECIFIED ON COVENTRY UNIVERSITY BUILDING



## PRECAST CONCRETE CASE STUDY | [FPMCCANN.CO.UK/PRECAST-CONCRETE](http://FPMCCANN.CO.UK/PRECAST-CONCRETE)

FP McCann has supplied a full package of precast concrete building products on a brand new science and technology facility at Coventry University. The Beatrice Shilling STEM building, due to open in 2020, will feature a range of state-of-the-art spaces, including a gaming and virtual reality studio, a specialist area for 3D printing and rapid prototyping, a laser facility, and physics and electronics laboratories. It will be linked to an existing building via a covered bridge walkway.



The four storey development includes the construction of a steel frame and precast concrete superstructure covering a total floor area of 5,366m<sup>2</sup>. The main contractor on the £27 million project is West Midlands based Speller Metcalfe. Also employed on the project are structural steel fixing specialist Adstone Construction and civils groundworker S&G Groundworks Ltd.

Additionally, two of FP McCann's sectional lift shafts, each measuring 15.30m high have also been installed by FP McCann's own specialist contracting team. Individual square shaft sections (2.20m x 2.20m) were delivered on a just-in-time basis from FP McCann's Grantham works in Lincolnshire. Completing the supply contract, 80 no. precast concrete 'L' walls 1.75m high x 1.0m wide have been installed by S&G Groundworks to form a soil retaining wall to the boundary of the building. The 'L' walls have also been supplied from FP McCann's Grantham depot.



Earlier in 2018, FP McCann secured the contract to supply 1,500 tonnes of precast products, including hollowcore flooring, lift shafts, stairs and 'L' walls, all supplied from a number of FP McCann's specialist precast concrete factories.

Speaking on behalf of Speller Metcalfe, Project Lead Ed McDonald says, ***"The precast, prestressed concrete hollowcore planks, stairs and lift shafts specified as part of the design and build were all supplied to the highest standard on a just-in-time delivery schedule. The simple and speedy fixing of all precast concrete products ensured that the work was undertaken in a safe and efficient manner, with installation completed to programme."***



The hollowcore flooring system covering 4914m<sup>2</sup> comprises 150mm and 200mm deep prestressed steel reinforced concrete planks, all delivered from FP McCann's Uddingston depot in Scotland. The ground to third floors have been linked with two precast concrete stair flights and have been installed by Adstone Construction. Both the hollowcore flooring and stairs have been covered with 58m<sup>3</sup> of wet work concrete and rebar as part of the disproportionate collapse tie details undertaken by Beresford Flooring's progressive collapse joinery team.



<b>Site:</b>	The Beatrice Shilling STEM building, Coventry University
<b>Client:</b>	Coventry University
<b>Main Contractor:</b>	Speller Metcalfe
<b>Sub Contractors:</b>	Adstone Construction, S&G Groundworks Ltd., Beresford Flooring and FP McCann
<b>Products Supplied:</b>	Prestressed Hollowcore Flooring, Lift Shafts, Precast Concrete Stairs and precast concrete 'L' Walls

For further information on FP McCann's precast concrete solutions, contact the team at

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