

## Trinity C of E School, Carlisle: Man 9: Publication of Building Information

The new development at Trinity C of E School, Carlisle has the following key features:

BREEAM Rating and score	The development is predicted to achieve a BREEAM 'Very Good' Rating, which will equate to a Score of greater than 55.00%
Key Innovative Features	Two key innovative features have been installed. Photovoltaic Panels provide renewable electricity to the building, whilst, the installed rainwater harvesting system meets the flushing demand of the new toilets.
Basic Building Cost	£1,450/m <sup>2</sup>
Services Costs	£439m <sup>2</sup>
External Works	£236 m <sup>2</sup>
Gross floor area	4550 m <sup>2</sup>
Total area of site - hectares	12.7 Ha
Area of teaching spaces	2273 m <sup>2</sup>
Area of circulation	1175 m <sup>2</sup>
Area of storage	120 m <sup>2</sup>
% area of school grounds to be used by community	100
% area of school buildings to be used by community	76%
Predicted electricity consumption	43 kWh/m <sup>2</sup>
Predicted fossil fuel consumption	64 kWh/m <sup>2</sup>
Predicted renewable energy generation	1.5 kWh/m <sup>2</sup>
Predicted water use	3.9 m <sup>3</sup> /pupil/year
% Predicted water use to be provided by rainwater/ greywater.	100% of the flushing demand
The steps taking during the construction process to reduce environmental impacts.	Border Construction Ltd monitored their energy usage, water consumption and transport to and from the site. This information was recorded and compared to targets. The information was displayed in the site office.
A list of any social or economical sustainable measures achieved.	Border Construction Ltd are a Carlisle based contractor and many of the appointed sub contractors are also based around Carlisle.