

CASE STUDY – HEALTHCARE

YYF – Caerphilly General Hospital

Bam Construction

Shire were appointed as a subcontractor to supply, manufacture, pre-plumb and install the IPS Panelling and Plumbing Connections at YYF (Caerphilly General Hospital). This project was managed by Bam Construction, with Shire providing on-site management and off-site fabrication teams. Shire were also appointed on this project to undertake the supply and installation of the accessible and disabled grab rail package.

The final plumbing connections package consisted of the hot and cold copper feeds and waste connections, and connecting to pipework or valves installed by Lorne Stewart. Following testing by Lorne Stewart, Shire then undertook the pipe lagging and setting up of the sensor control devices and thermostatic mixing valves.

The subcontract value totalled around £1.75 million.



Further to value engineering, the system provided consisted of a mixture of timber and metal framing, faced with solid grade laminate panels. The system was delivered to site as a two-part process, allowing the ceilings, whiterock and flooring to progress while leaving the pre-plumbed panels off-site for a final fix operation.

Panel units were assembled into a pre-plumbed state, complete with factory applied silicone sealant. This minimised the installation time site on site and resulted in a high quality finished product.

The project was split into five zones over three floors. Zone A was a dedicated Mental Health Facility, which involves Shire working in connection with Bam and Nightingale Associates to deliver a specification suitable for the end use by using anti-ligature fixtures and fittings. This comprised of a combination of high and low risk Dart Valley Systems controls and fittings, and included the setting up of the control boxes and electrical connections.



In total the scheme consisted of:

- a) 440 WC units
- b) 880 WHB units
- c) 53 Showers
- d) 26 Slop Hoppers
- e) 29 Janitorial Units
- f) 30 Sinks



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