

Ronald McDonald House

Glasgow



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Metal Technology features in Glasgow's Ronald McDonald House

System 4-35Hi+ Parallel Opening Vents (POV) windows are among a suite of Metal Technology Products installed in Ronald McDonald House, Glasgow.

Ronald McDonald House serves the Royal Hospital for sick Children in the city, providing 'home from home' accommodation enabling families to stay close to their children. The Keppie-designed project was a winner at the 2015 Glasgow Design Awards. The 1,940m² scheme features three brick buildings connected by glazed corridors and reflects the need for a calm, secure and homely environment.

Part of Metal Technology's **THERMAL™** range, the System 4-35Hi+ POV window achieves high levels of thermal performance by utilising specially designed polyamide thermal break profiles, thermal gaskets and foam profiles. The parallel opening vents offer a unique feature that, when open, allows air to penetrate around its entire perimeter, facilitating highly efficient ventilation and increasing air flow by almost double to that from a standard top hung casement window. This is achieved without compromising security, creating a comfortable yet safe environment.

Thermal performance was maintained throughout the scheme with the use of **THERMAL™** System 5-20DHi+ doors, which offer a wide range of options from standard lever/ lever operation to single and double panic gear and electric release. All have achieved full PAS 24 security.

The buildings feature pod glazed openings utilising not only System 4-35 POV's but System 8 low rise curtain walling, highlighting how Metal Technology's range of products offer the designer engineered, cost-effective solutions through design flexibility whilst maintaining structural integrity, weather performance and thermal enhancement.

Architect

Keppie

Systems Used

System 4-35Hi+ parallel opening vents (POV) windows

System 5-20DHi+ doors

System 8 low rise curtain walling



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