



# Case Study

Mental Health Unit, Barnet Hospital, London

**HCP**

Radiant Heating

## HCP provides anti-ligature heating solution for new Mental Health Unit at Barnet Hospital

HCP, a division of SAS International, supplied and installed 230 linear metres of radiant heating panels to a new-build Mental Health Unit at Barnet Hospital. This development forms part of a ProCure21 initiative, helping to deliver the future of NHS facilities, for this major Hospital Trust based in North London.

The project utilises HCP's new Dutch fold anti-ligature panels, which provide a secure heating solution for institutions such as hospitals and prisons. A gasket was installed between the slightly undulating plasterboard ceiling and the precision engineered aluminium radiant heating panels to alleviate the differences in the tolerances between the two surfaces. This means the radiant heating panels are mounted flush with the ceiling plane, significantly reducing occupant's opportunities to locate a ligature point.

Their installation at high level frees up wall and floor space, leads to greater flexibility in terms of room layouts and maximises the use of available space. Radiant heating panels also provide a flat polyester powder coated surface, which is both durable and easy to clean. An optional anti-bacterial finish is also available for healthcare establishments.

Radiant heating panels are recognised as one of the most comfortable and energy efficient forms of heating available, with outputs in the region of 480 to 500 W/m<sup>2</sup>.

Manufactured from aluminium and copper, radiant heating panels offer a space saving, low maintenance and fully recyclable heating solution, which is quick to install.

Suitable for use in a wide variety of sectors, radiant heating panels can be integrated within a suspended ceiling or freely suspended in rafts. They are an ideal space heating solution when low operating temperatures and rapid warm-up times are required.

Because of their low water content, rapid warm up times and effective heat transfer, they are an energy efficient alternative to traditional heating methods. These improvements can help cut energy usage and meet the recent carbon emission cuts required by changes to the building regulations – Part L in England and Wales and Part J in Scotland.

**Project Name:** Barnet Hospital

**Client:** Barnet Enfield & Haringey Mental Health NHS Trust

**Architect:** Devereux Architects

**Main Contractor:** Kier London

**System Type:** Radiant Heating

**Special Requirements:** Dutch fold anti-ligature panels

**Length:** 230 Linear metres

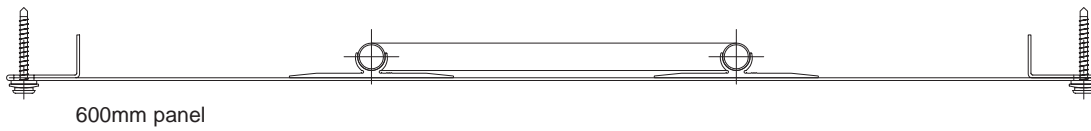
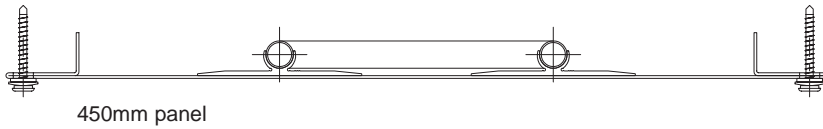
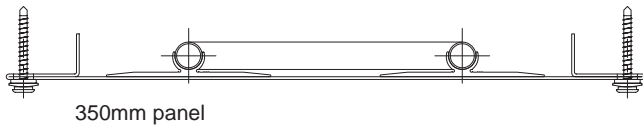
**Location:** London

**Completion Year:** 2008

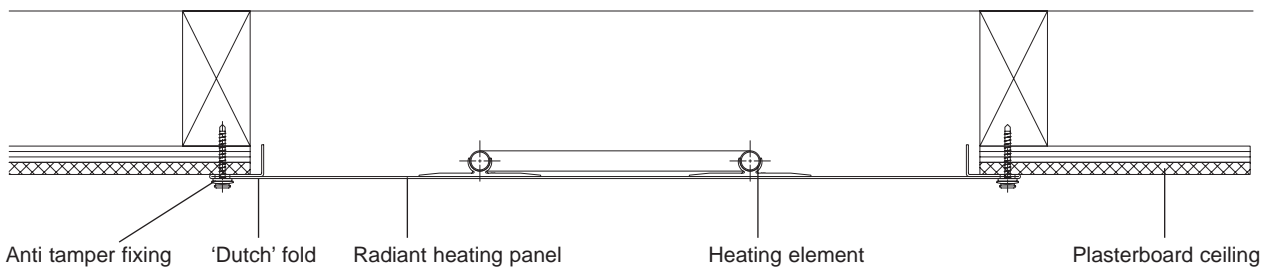


## Technical Information:

### Plan view



### Detail drawing



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