

# Case Study

Basildon Hospital, Essex

**HCP**

Radiant Heating

## Over 600 linear meters of HCP Radiant Heating installed at new Cardiothoracic Centre.

The completion of a new £60m Cardiothoracic Centre (CTC) at Basildon Hospital will mean that Essex patients suffering heart disease will no longer have to travel to London to undergo major cardiac and thoracic surgery.

The CTC is housed in a new four storey building at the rear of Basildon and Thurrock University Hospital and will include over 100 beds, a critical care unit, specialist theatres for heart and other major chest surgery, laboratories and overnight facilities for relatives. It will act as a centre of excellence and will be the hub of a new network of cardiac services across the county with diagnostics and other services being provided for patients at their local hospitals and specialist GPs.

Radiant Heating panels from HCP, a division of SAS International, feature throughout all four floors of the CTC and range from 600mm to 6 meters in length. Panels can be found not only in wards, but in offices, meeting rooms, reception areas and corridors. Some are integrated with a suspended ceiling system while others form part of a plasterboard ceiling. When integrated into the plasterboard ceiling system, HCP manufactured flush fitting access panels to provide maintenance access to local pipework and valves.

Radiant Heating panels offer a discreet heating solution, which frees up valuable floor space. Not only are they easy to clean, they come in a wide range of RAL colours and can integrate a special Anti-Bacterial coating.

Panels are manufactured from aluminium and copper, are recyclable and have a long life cycle. Planned maintenance of the product is minimal due to the lack of moving parts within the panel. This means that neither the Trust or the building users are disturbed by regular maintenance work.

Ceiling mounted Radiant Heating panel systems contain approximately one seventh the amount of water of a traditional radiator system, resulting in a reduction in the associated energy consumption.

**Project Name:** Cardiothoracic Centre, Basildon Hospital

**Client:** Basildon and Thurrock University Hospitals NHS Foundation Trust

**Architect:** Nightingale Associates

**M&E Contractor:** Bailey & Co

**M&E Consultant:** ARUP

**Main Contractor :** HBG Construction

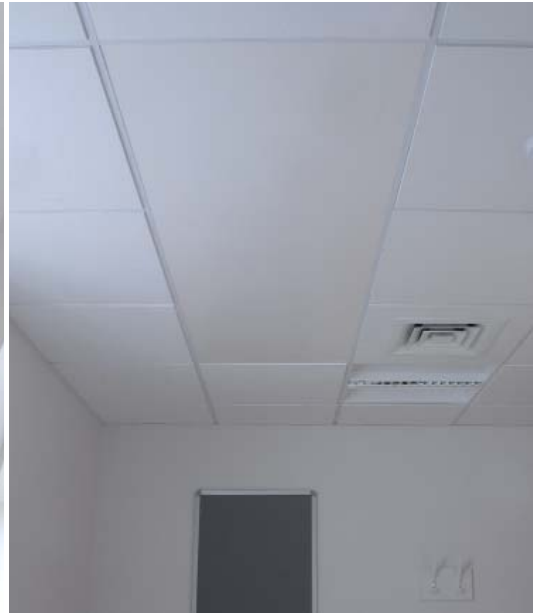
**System Type:** Radiant Heating

**Special Requirements:** Flush access panels

**Length:** 600+ linear metres

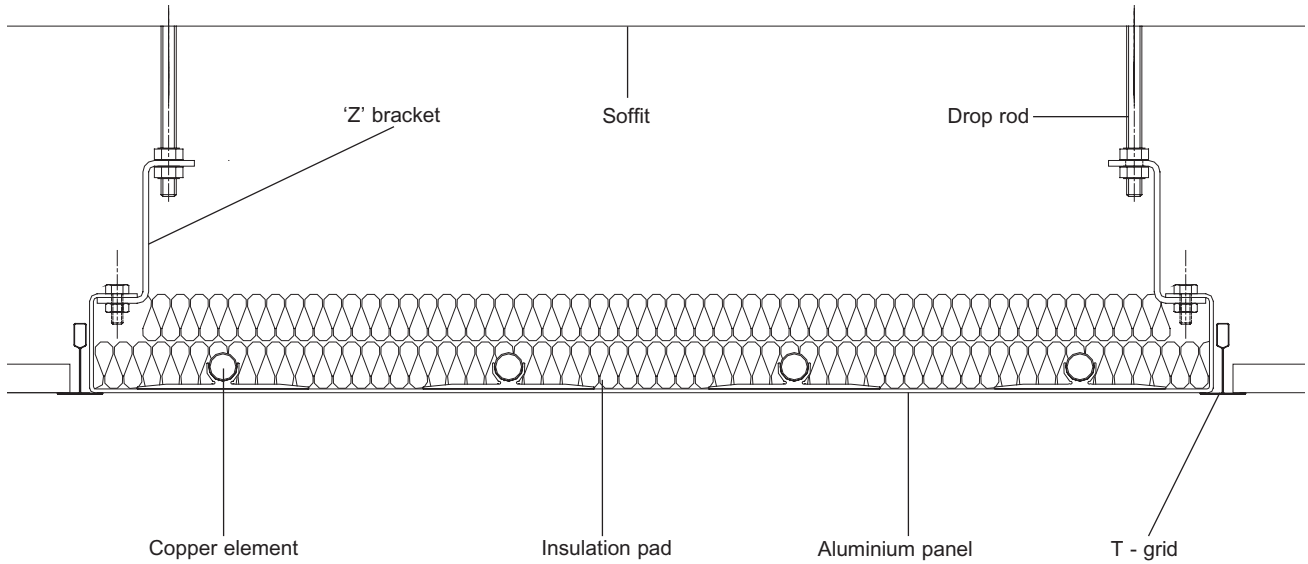
**Location:** Basildon

**Completion Year:** 2007

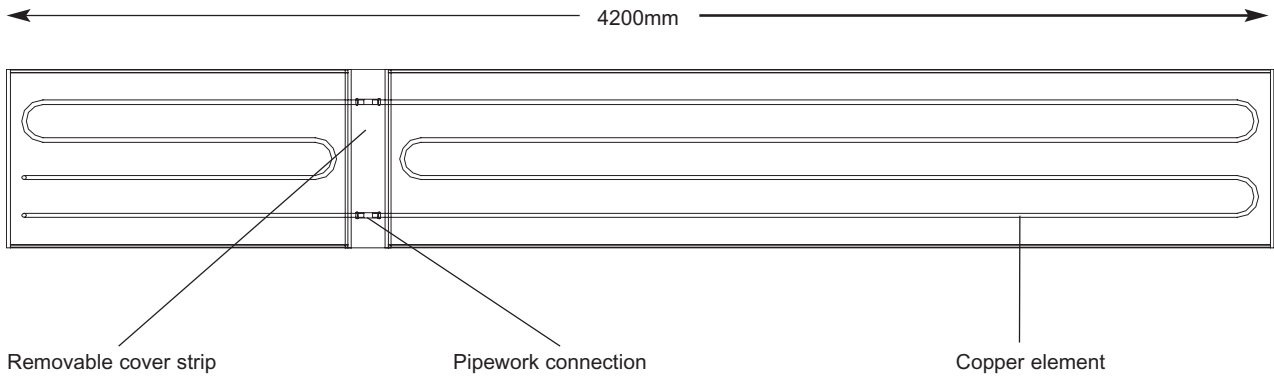


## Technical Information:

### Section Drawings



### Plan View of Radiant Heating Module



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