



Case Study

CAA Tower

HCP

Perimeter Heating

In excess of 2.5km of perimeter casings and 720 column casings installed in CAA Tower project.

The 16 storey building in London's Kingsway was designed and built in the 1960's and was totally refurbished in 2005 prior to new tenants the 'National Audit Office' moving in.

One of the unique features of the tower is its central light well which runs the full height of the building effectively creating a hollow inner core. Perimeter heating and fancoil casings were also specified around each of the inner core levels to ensure an even distribution of heat to the occupied floors.

HCP provided over 2000 linear metres of perimeter heating units and 500 metres of fan coil casings to meet the architect's precise aesthetic requirements for the curved internal and external facade.

In addition, 15 different sizes and styles of column casing were supplied to the project to compliment the perimeter heating units and clad structural columns, distribution services and the vertical service risers. At partition points the column casings were supplied with acoustic separation baffles and lined with anti drumming insulation to prevent noise transfer and panel reverberation.

The installation of the HCP system required detailed site surveys, trade coordination and design meetings, prototypes and a full site mock up to finalise the eventual design. In particular, the installation of additional secondary glazing to the building meant that both the perimeter heating units and the column casings had to be surveyed, manufactured and installed to very strict tolerances.

Project Name: CAA Tower, London

Contractor: Overbury

M&E Consultant: Graham Powell Consulting

Architect : Sturgis Associates

System Type: Perimeter Heating

Special Requirements: Circular building structure with circular inner core

Length: 2,500+ linear meters

Location: London

Completion Year: 2005



