

## **DESIGN OF NON-DOMESTIC GAS INSTALLATIONS**

In order to comply with the Gas Safety (Installation & Use) Regulations, Dangerous Substances and Explosive Atmospheres Regulations and appropriate Institution of Gas Engineers recommendations, the design criteria below must be followed for the installation of gas services and meters to non-domestic premises.

GTC require the responsible person to confirm that the appropriate design criteria have been followed by signing the declaration below and return this document with the quotation acceptance.

### **Design Criteria**

For premises with 2 or more floors above the ground floor, meters should not be sited on or under the stairway or in any other part of the premises where the stairway or that other part of the premises forms the sole means of escape in case of fire.

No gas pipe should be installed in any shaft, duct or void, which is not adequately ventilated.

A minimum clearance of 250mm should be maintained between the gas service and other utilities plant.

A meter installation should be located in a separate purpose-built structure or compound. Where this is not feasible and for a supply pressure less than 75mbar (LP), it can be located in the premises adjacent to an outside wall, with adequate ventilation, protected against accidental damage and be at least 0.5 metres from any electrical equipment, heating or process equipment.

A gas meter shall not be installed in a location where the temperature is outside the range – 5°C to +35°C.

A gas meter shall not be subject to extremes of vibration, moisture, corrosive chemicals or dirty atmospheres.

Where a new, purpose-built room or building is provided to house the gas installation, the walls shall be solid without cavity and shall not include openings other than those required for access, ventilation, pipe work or other ancillary services.

Where a purpose-designed enclosure is provided, including those within a main building, it shall not be used for purposes other than regulating and metering the gas supply and should not contain any electrical equipment, heating or process equipment.

Where the meter is to be installed external to the building, a location will be made available, that is unlikely to suffer damage from vehicles.

Gas meter enclosures must have a total effective ventilation area of at least 2% of the floor area of the enclosure, evenly distributed at low and high level over two or more walls. If ventilation is only available on one wall e.g. through louvered doors, it must be at least 3% of the floor area.

Low level ventilators should be positioned 150mm above the floor and high level ventilators positioned at no more than 10% of the total height of the enclosure below the roof or ceiling.

The installation shall be protected from the possibility of accidental damage and not be located in the immediate vicinity of hazardous installations, for example fuel, paint or chemical stores.

**Declaration**

I declare that the appropriate design criteria have been taken into account in the non-domestic premise at:

Site Address: .....  
.....

And the meter will be installed at the following position: .....  
.....

Name of responsible person: .....

Position in Company: .....

Signature:..... Date: .....