



Company Profile

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Our Company:

The Cad Room is a professional CAD drafting bureau specialising in the production of multi service co-ordinated drawings for the Building Services Industry.

Established in 2003, The Cad Room's staff have gained a great deal of 'hands-on' technical experience and are now able to offer clients a flexible range of drawing services, from simple single lined schematics to complex co-ordinated services solutions, employing the industry standard software.

From your initial sketches to delivery of prints on site, we can take the strain of integrating the whole drawing process to allow you to concentrate on meeting your client's needs.

Our Responsibilities:

Our role in any project would be to carry out all the cad work for installation drawings based on information given to us by our client. Generally we would use the latest issued consultant's layouts and convert them into working drawings updating all the drawings to suit our client's cad standards.

During the construction stage we work closely with our client resolving any issues which may occur. We do not take any responsibility for technical checking once handed over to our client. We do take responsibility for quality and accuracy.

Any design changes instructed by our client will be incorporated into our drawings to be carried out by the relevant company which we then incorporate into our drawings. We do not carry any professional indemnity insurance for design work.

Our Services:

2 Dimensional;

Despite the continual advances in CAD software, the two dimensional single or double line drawing remains a very cost effective, simple method for conveying engineering information. Drawings may be schematics, single or multi service plans or sections which can be easily understood by most disciplines, site operatives and users. 60% of our workload is still 2D.

Co-ordination:

Co-ordination is effectively a two dimensional solution to a three dimensional problem. Wherever 2 or more (and often many more) services need to run or cross at the same point, co-ordination is required. It is essential to ensure services can be accessed, drainage runs fall properly, wiring can be laid in trays, air vents and insulation can be fitted, luminaires can be lifted in ceiling voids and invert levels are properly dimensioned. We have developed the requisite skills through years of experience working for consultants and contractors.

3 Dimensional:

We have been producing 3 dimensional drawings since 2005 and have become proficient in the use of 3D software such as CADDUCT and AutoCAD MEP. This software has automatic 'clash detection' and the facility to schedule plant, equipment and distribution services such as pipe and duct lengths and number of bends, valves etc. More importantly, 3D allows all members of the design and installation team to see a 'virtual' installation before it is fabricated at any angle and any scale and it allows changes at very little cost. Co-ordination is automatic. We have produced 3D layouts for hospitals, cleanrooms and intricate plantrooms.

Our Categories:

(Not limited to)

Mechanical:

- HVAC
- Chilled Water
- Heating
- Domestic
- Medical Gases
- Public Health
- Comfort Cooling

Sectors:

- Commercial
- Pharmaceutical
- Residential
- Educational
- Government
- Hospitals
- Cleanrooms
- Industrial

Electrical:

- HV/LV
- Lighting
- Small Power
- Data
- Fire Detection
- Security
- Switchrooms

Types:

- Tender
- Approval
- Construction
- Builderswork
- Sections
- Schematics
- As built

SCHEDULE OF RATES

2D CAD Services

Cad Operator	Produces general Mechanical and Electrical drawings
Rate	£10 per hour
Cad Technician/ Cad Co-ordinator	Produces co-ordinated Mechanical and Electrical drawings
Rate	£15.00 per hour

3D CAD Services

M&E Co-ordinator	Produces 3D Co-ordinated drawings (Cadduct and MEP)
Rate	£18.50 per hour

Quotations are based on type of work, programme and resource availability.