

Qualifications:- Final City and Guilds in Machinshop Engineering.
Advanced Diploma in Engineering Design. 1990
City and Guilds Cert. 4531-01 (Autocad) 1991
4531-02 (Autocad) 1992
4531-03 (Autocad) 1994
4531-08 (Autocad) 1999

Experience Summary:- CAD Systems – Autocad with limited exposure to Solidworks.

Engineering Disciplines/Area of Work:- Mechanical, Electrical, Aero, Railway, Mining Equipment, (FLP & I.S. Certification) and Conveyors, Civil, Building and Construction, Water and Treatment Processes.

May 2005 to present – Freelance design work undertaken at home and clients premises.

March 2007 – March 2010 Design Draughtsman, Severn Trent Water, Derby. Sewage treatment, - mechanical, electrical, process equipment and installation.

January 2007– March 2007 Design Draughtsman at Flowfayre, Newark. Pumps.

August 2000 – May 2005 Design Draughtsman, (staff), Aero Eng. Design./STC21 Aircraft & helicopter flight and interiors modifications, conversions for airline and executive use. (C.A.A. Approved designer and checker)

April 1993 – Aug 2000 On site contract work at clients offices for example –
Cinch Components – ASSRAM missile.
British Rail – rail passenger vehicles including trams. (4 contracts)
Severn Trent Water, - civil engineering & pumps, pipework, with water treatment.
Tilbury Douglas Construction, -water industry and processes.
Services Design Ltd. – electrical, and services, installation and design.
KSB Pumps Ltd. – mechanical, pipeline, civils and construction.

Nov. 1990 – April 1993 Binnie & Partners Ltd., Engineering Assistant (staff). Process buildings, pumping Stations, Severn Trent Water, Anglian Water, Thames Water, London Underground. Site surveys, site layout, mapping work, and all detail work required.

Work Experience:-

I have for some years also acted in a freelance capacity in the design and modification and alteration of Factories, offices, commercial, and residential buildings. This has involved the submissions of plans, drawings and calculations to Local Authorities for Building Regulation and Planning Applications/Approvals. On occasions, site meetings undertaken to discuss and resolve issues as far as possible without going to Appeals. I have a working knowledge of Building Regulations and Planning Requirements. Civil, Industrial, Commercial, & Domestic construction experience includes portal framed buildings, brick buildings, commercial and residential, new and alterations, with simple surveying. Involvement with specialist work on large store, restaurants, hotels, and Canary Wharf sites. Design and drawing of individual components and assemblies, systems, installations, and schemes to comply with various British, European, Foreign Standards, and other regulatory bodies.

A Mechanical and Electrical background has been a regular requirement at most companies. Providing when required circuit diagrams, and schedules.

As a part of these duties it has required selection of materials, components, suppliers, liaison with relevant testing and approval authorities and clients.

Additional Information:

A full engineering apprenticeship was served at the Royal Ordnance Factory, Nottingham, and studied at the Peoples College and Nottingham Technical College for the Final City & Guilds Certificate Award.

Served 3 years in the Royal Air Force as a Draughtsman in an Air Ministry drawing office involving Building and Civil work for Service installations.

Initial CAD experience was gained on a course at the Nottingham Technical College in 1986. Further CAD experience started on AutoCAD 2.6 in 1987, when the Company installed CAD equipment. The Release 10 of AutoCAD was purchased a few months later and was in use for some years.

In 1987, commenced at Peoples College, Nottingham, on the Advanced Diploma in Engineering Design and was awarded the Diploma in 1990 for the completion of the course and thesis undertaken

User of programmes for steelwork and structures required for some of the work undertaken.

Undertook a course at Derby University in 2006, for the Solidworks CAD software.

I have my own CAD system with legitimate AutoCAD 2004 at home.

A current, clean full driving license.

Interests:

School Governor for The National School a C of E Technology College, Hucknall.

Small bore and full bore rifle shooting. Holder of a current Firearms Certificate.