

CAD OPERATOR / ARCHITECTURAL TECHNICIAN JOB DESCRIPTION



Title

CAD Operator

Reports To

The CAD Operator / Architectural Technician will report to the CAD Manager.

Job Overview

An exciting opportunity has arisen to join the innovative drawing and modelling CAD team at Cadarn. A CAD Operator / Architectural Technician is required to support the teams' strengths and construct infrastructure, structural and architectural models for collaboration with the multi-disciplinary teams of Cadarn. The role is expected to deliver and drive the very high standard of dealing, draughting, and modelling provided by Cadarn.

Responsibilities and Duties

The main responsibilities and duties of this role are listed as follows:

- Produce precise, high-quality well-presented fully attributed BIM models, 2D and 3D details and CAD drafted drawings and models.
- Produce detailed drawings for a variety of construction requirements, including but not limited to:-
 - Highway geometry and setting out.
 - Drainage layout, long-sections, and construction details.
 - SAB specific details.
 - Ground modelling and flood routing.
 - Vehicle tracking.
 - Full architectural design packs for single dwellings and small to large complex housing developments.
 - Building regulations complaints layout and detail drawings.
 - Reinforced concrete general arrangements and schedule structural steelwork detailing.
- Produce detailed specifications to accompany detailed construction drawings.
- Manage junior members of the team.
- Prepare technical drawings to satisfy the requirements of statutory bodies including, but not limited to, highways, sewerage undertaken, NRW / EA, etc.

Qualifications

Listed below are the qualifications and experience considered desirable to undertake the role. Proven experience and professional recognitions may be prioritized over academic qualifications:

- Should be educated to minimum HNC level in a Built Environment or similar qualification within the disciplines of construction, engineering, or architecture.
- Be a professional member of or working towards professional membership of an accredited construction related institution such as CIOB, RICS, ICE, CIAT, RIBA, or IStructE.
- Minimum level 3 sitting guilds or equivalent qualification in CAD draughting.
- Formal or informal training qualifications in any of the following considered advantageous:
 - Health and safety.
 - BIM
 - Revit
 - Auto CAD / AEC
 - Project management / leadership
- Good understanding of the planning process and requirements for specific development types.
- Good understanding of building regulations requirements.
- Excellent detailing skills are essential.
- Good understanding of engineering principles.
- Proven track record of producing full construction issue drawing packages including excellent detailing skills.
- Good understanding of current modern methods of construction as well as innovative and ground-breaking material developments.
- A good understanding or appreciation of DQR, secure by design and / or lifetime home requirements.
- Experience / knowledge of working with and detailing historic buildings and structures to SPAB, CADW, English heritage, and historic England requirements.

Personal Characteristics

Cadarn employs a very close nit professional and diverse team each with individual skills and attributes which contribute to the delivery as a company. The key personal characteristics sought are listed as follows:

- Attention to detail essential.
- Team member is an essential part but with the ability to work independently and unsupervised.
- Ability to work in a very fast paced, continually changing environment to realistic but tight deadlines.

Other

The following attributes are also considered essential:

- Full driving licence.
- Proficient in the use of the following software packages:
 - Revit
 - Auto CAD / Bricsys
 - Auto desk AEC Collection
 - Microsoft Office tools including Outlook, Word, Excel, etc.
 - PDF editing software.

Experience in the proficient use of the following is considered advantageous:

- PDS
- PDS Line, Sign, Drive
- Bluebeam
- Site 3D
- Civils' 3D
- Infracore
- QGIS
- CADS RC

In Return

In return for your employment at CADARN, you will receive.

- A competitive and local market-leading salary.
- Minimum 25days annual leave as well as bank holidays.
- A desirable pension schedule.
- Multiple teams building extra-curricular activities annually.
- Private health care complete cover.
- The potential to work remotely.
- Support both in work and throughout professional development.
- The opportunity to actually make a difference.