

Job Title: Mechanical Design Engineer

Reporting to: Senior Mechanical Engineer

Place of work: Princes Risborough

Overall Purpose of the Job: To undertake the design of Mechanical Building Services, from inception to completion, for a wide variety of interesting and prestigious schemes.

Key Responsibilities:

1. Ability to undertake principle design calculations associated with HVAC systems (e.g. gains/losses, 'U' values, duct and pipe sizing, fan and pump sizing) using computer software packages.
2. Ability to produce Tender quality drawings in accordance with QA Procedures using AutoCAD.
3. Attend site to undertake survey of existing installed services to establish location and content (but not condition or adequacy for re-use) unsupervised.
4. Liaise with Statutory Supply Companies to obtain record information and quotations for new supplies.
5. Liaise with equipment manufacturers to obtain quotations.
6. Ability to select standard terminal devices based upon calculated loads (e.g. radiators, grilles, fans, fan coil units).
7. Liaise with Contractors to deal with minor site co-ordination queries.
8. Ability to undertake snagging of installed systems with respect to installation quality.
9. Familiarity with Design Team and Site Team Meeting format (i.e. attendance but not necessarily sole representation of SD&P).
10. Demonstrate an ability to manage own time and to prioritise. Demonstrate a pro-active approach in highlighting to Team Leader potential shortfalls in available time so that remedial steps can be taken to achieve Client deadlines.
11. Demonstrate initiative, self-motivation and the confidence to make decisions.
12. Liaise with CAD and Admin. departments to achieve drawing and document production to meet Client deadlines.
13. Familiarity with budget costing methods.
14. Demonstrate an awareness and understanding of the Practice Quality and Operational Procedures.