

# Job Description G9

Post Title	Mechanical Design Engineer (Building Services Design)
Salary	£34,373 - £39,571 (Grade 9) + benefits
Post Number	E-034-0047
Location	County Hall, Preston (Home working available)
Description	<p>Mechanical Design Engineer, Building Design Team</p> <p>As a Mechanical Engineer within the Building Design Team of Lancashire County Councils Design and Construction Service you will manage and deliver a range Mechanical Building Service Engineering related projects across the authority.</p> <p>You will be able to undertake the design, specification and project management of Mechanical Building Service projects in a lead or support role depending on the project complexity and scale. You will also manage external consultants who provide design services to LCC, ensuring the projects they are responsible for are delivered on time, within budget and to the quality expectations of LCC.</p> <p>You should be able to proactively collaborate with other members of the Building Design Team, and across the Council's other Design and Construction disciplines, working within well-established professional procedures and defined Council policies. You will work on a broad range of complex problems, managing challenging priorities and using professional judgement to respond to differing situations.</p>
Accountabilities / Responsibilities	<p>Duties include:-</p> <ul style="list-style-type: none"> <li>• The design and specification of Mechanical Building Services including heating, hot water, legionella mitigation, ventilation, air conditioning, gas, BMS etc. in accordance with current guidelines, standards and regulations.</li> <li>• Lead in the Project Management and delivery of Mechanical Building Service related projects, ensuring they are delivered on time and within budget to the quality expectations of LCC.</li> <li>• Support the Mechanical Teams Project Manager in the effective delivery of all Building Service related projects.</li> <li>• Manage external consultants in the delivery of projects, ensuring KPIs are met and quality is maintained.</li> <li>• The proactive liaison with other services within LCC and across other disciplines within the Building Design Team and wider Design and Construction Service.</li> <li>• Provide specialist advice and guidance to internal / external customers, making technical / professional recommendations within the Mechanical discipline.</li> <li>• Providing specialist advice and support within LCC and across other disciplines within the Building Design Team and wider Design and Construction Service.</li> <li>• Lead and / or support discussions related specifically to Mechanical Building Services.</li> <li>• Supporting the Principal M&amp;E Engineer in the delivery of all Building Services related projects.</li> </ul>
Skills, Knowledge and Experience	<p>To include:-</p> <ul style="list-style-type: none"> <li>• Degree qualified (or equivalent) in relevant subject, plus a number of years' experience in a similar role OR significant vocational experience at a demonstrably professional level.</li> <li>• Member of a Professional Institute such as CIBSIE, and working towards a formal professional qualification.</li> <li>• Experience in Mechanical Building Services design and delivery, preferably within the public sector.</li> <li>• Up to date and thorough knowledge and understanding of Mechanical Building Services related applications, principles and theory.</li> <li>• Detailed understanding of professional, regulatory and statutory Mechanical Building Services related standards.</li> <li>• Sound analytical and problem solving capability.</li> <li>• Experience of working in different operational areas, for a range of clients and service users.</li> <li>• Ability to work proactively within a multidiscipline team.</li> <li>• Ability to organise, plan and control medium sized Mechanical Building Services projects.</li> <li>• Good communication and interpersonal skills.</li> <li>• Ability to train and mentor other professionals.</li> </ul>

# Person Specification G9

	Requirements	Essential (E) Or Desirable (D)
<b>Qualifications</b>		
1	Degree qualified (or equivalent) in relevant subject, plus a number of years' experience in a similar role OR significant vocational experience at a demonstrably professional level.	E
2	Member of a Professional Institute.	E
3	Working towards a formal professional qualification.	D
<b>Experience</b>		
4	Proven track record in Mechanical Building Services design and delivery.	E
5	Experience in Mechanical Building Services design and delivery, preferably within the public sector.	D
6	Experience of working within a team of Building Service Engineering professionals.	E
7	Management of external consultants in the design and delivery of projects, including performance and quality monitoring and management.	D
8	Experience of working in different sectors, for a range of clients.	E
9	Evidence of providing specialist advice and support to clients, team members and across other disciplines.	E
10	Experience in the Project Management and delivery of medium sized Building Services related projects, delivering them within time and budget, to the quality expectations of a client.	E
<b>Knowledge and Skills</b>		
11	Knowledge of the design and specification of Mechanical Building Services including heating, hot water, legionella mitigation, ventilation, air conditioning, gas, BMS etc in accordance with current guidelines, standards and regulations.	E
12	Up to date and thorough knowledge and understanding of Mechanical Building Services related applications, principles and theory.	E
13	Detailed understanding of professional, regulatory and statutory Mechanical Building Services related standards.	E
14	Sound analytical and problem solving capability.	E
15	Ability to work proactively within a multidiscipline team.	E
16	Ability to organise, plan and control medium sized Mechanical Building Services projects.	E
17	Good communication and interpersonal skills.	E
18	Ability to train and mentor other professionals.	E
<b>Other (including specialist requirements)</b>		
19	Commitment to equality and diversity.	E
20	Commitment to health and safety.	E
21	Display the LCC values and behaviours at all times and actively promote them in others.	E