

# **Lift Design Engineer – Job Description**

Company: Stannah Lift Services Ltd

Function: Major Projects

Reports to: Design Engineer

## **Purpose**

Be part of the design team that provides a design service to our prestigious clients, including Network Rail. You will be actively involved in the design and procurement of lifts and lift equipment to the client's specification. In addition, you will provide technical support and detailed documentation to meet the requirements of our client.

## **Key Responsibilities**

1. Produce General Arrangements and Builder's Works Drawings using CAD software. Drawing the GAs & BWDs and progressing the designs to AFC with the Main Contractor.
2. Produce manufacturing drawings for components and assemblies. Model steelwork using Inventor, the steelwork assemblies required for the lift installation.
3. Obtain equipment quotations for the lift arrangement, as per the designs, liaising with the purchasing department to place orders.
4. Review and check order confirmations and acknowledgements. Confirmation that the equipment is to the specification along with making sure quantities and standards are adhered to.
5. Follow the company procedures, policies and complete the relevant documents for issuing and checking for the designs.
6. Create Bills of Materials. Furnish the equipment required and quantities on to the newly created BoMs.
7. Liaise with the Main Contractors, consultants and Architects and clients.
8. Survey sites taking all the required dimensions of the shaft, landings, and motor room to produce the lift arrangement designs and assess how equipment will be delivered.
9. Populate lift test sheets ready for the lift test by our in-house lift testers.
10. Technical support to the commercial and site teams with design related enquires. Project administration for the duration of the project. This will include Design Risk Assessments, calculations and

*This list is not exhaustive, and the jobholder will be expected to undertake any duties within their capacity to meet the needs of the business and/or the Major Projects function.*

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## Skills and Experience

- Lift industry experience designing arrangements to specifications for installations.
- Engineering principles.
- Candidates will have strong AutoCAD and Microsoft Office software experience.
- Ideally candidates will be qualified and have knowledge in mechanical engineering.

## Personal Attributes and Behaviours

- ✓ Collaborative working as part of a design delivery team.
- ✓ Comfortable and capable of working to tight deadlines to achieve positive goals.
- ✓ Remaining calm when under pressure to deliver the design project.
- ✓ Great communication skills, internally and externally to interact at all levels.
- ✓ Enthusiastic to continually learn and improve.
- ✓ Excellent communication skills with the ability to interact at all levels and with different departments.
- ✓ Good computer literacy

### Internal

You will be able to use your skills in mechanical engineering and your lift design knowledge together with AutoCAD, Inventor and Liftdesigner. Communication, computer literacy and the ability to work as part of a team is essential in your role. In addition, you must have the ability to maintain strict attention to detail whilst working to tight deadlines.

### External

Working to provide a design service, attending meetings with the main contractors to move the project designs to the next stages, in readiness for the lift installation.

## Education and Qualifications

Engineering Degree/HND/HNC or similar  
Ideally CAD qualifications  
Ideally LEIA course units  
Driving licence