

**GILLIERON SCOTT**

A C O U S T I C D E S I G N

**ACOUSTIC CONSULTANT**

**JOB DESCRIPTION**

## POSITION PURPOSE

As an acoustic consultant it is expected that you attend to specific project requirements including attendance to site, meetings, noise and vibration surveys, sound insulation testing as required and efficiently organise the preparation of files required to complete the task in hand and present the outputs to clients as clearly and accurately as possible. It is also expected that you seek to improve your knowledge and contribution to the team at every opportunity.

## POSITION EXPECTATIONS

### GENERAL

- Review of previous GSAD projects to understand the companies' procedures and reporting styles.
- Arrange access for surveys and liaise with clients on smaller jobs.
- Carry out noise and vibration surveys and sound insulation testing
- Data processing
- Calculations and BS knowledge: Sabine / mechanical / BS4142 / BS8233 / BS6472 / BS5228 etc
- Modelling: Room acoustics Sketchup and CATT-Acoustics / Environmental CADNA-A / Sound insulation Insul
- Reporting
- Make recommendations for improvements or amendments to the company's procedures or reporting for discussion with the company directors.
- Attendance and participation at meetings as required with lead consultant.
- Prepare fee proposals
- Prepare details for invoices promptly at the appropriate time and send to the company financial administrator for issue. Review invoices with a company director prior to issue as required.
- Check survey equipment and validity of calibration certificates.
- Keep the company up to date on any changes in standards/legislation that you become aware of.
- Attend CPD lectures and IOA/ANC seminars by agreement with a company director.
- Check and respond to emails and voice messages throughout the day on Laptop and Mobile device.
- Drive or take public transports for survey work and/or meetings away from the office.
- Aid your colleagues to help their understanding and ability to complete tasks where you are able.
- Seek to become a full member of the IOA and ANC as soon as possible if not already and seek to improve your knowledge and contribution to the team at every opportunity.
- Provide assistance when required with IT/computer/software related matters

### SURVEYS AND TESTING

Review, understand and carry out acoustic noise and vibration surveys/testing in accordance with the following standards/schemes;

- BS4142 Environmental noise surveys
- Part E PCT testing / Association of Noise Consultants PCT Scheme
- Association of Noise Consultants good practice guide to testing

- BS6472 and BS ISO 14837-1 vibration surveys
- BS140 and BS EN ISO 1628 Sound insulation testing
- Acoustic testing for BREEAM or other sustainable bodies
- Acoustic testing for schools/BB93
- BS EN ISO 3382 Reverberation Times and acoustical parameters
- BS 5228 Noise and Vibration control on construction and open sites
- BS 8233 Sound insulation and noise reduction for buildings
- Any additional standards not listed

## REPORTING

Preparation of reports for the following;

- RIBA stage design reports
- RIBA stage design architectural specifications
- RIBA stage design mechanical specifications
- BS4142 Environmental noise survey reporting
- Part E PCT / Association of Noise Consultants PCT Scheme
- BS6472 vibration reporting
- Façade assessments
- BS ISO 14837-1 vibration survey reporting
- BS140 and BS EN ISO 1628 Sound insulation reporting
- Acoustic reporting for BREEAM or other sustainable bodies
- Acoustic reporting for schools/BB93
- Reporting on noise from nightclubs/bars/music venues
- Reporting on any additional standards not listed

## CALCULATIONS AND MODELLING

Acoustic calculations and modelling for the following:

- Room acoustic modelling in CATT Acoustic
- Sound insulation modelling in INSUL
- Noise mapping modelling in CADNAA
- Noise break out from buildings
- Noise break into buildings
- Façade assessments
- BS4142 Environmental noise survey calculations
- Calculation of mechanical ductwork and breakout noise
- Calculation of reradiated structure borne noise
- Calculation of sound system noise limits in Nightclubs/bars/music venues
- Calculation of sound insulation test results in accordance with ANC and BS140 / BS EN ISO 1628 standards.
- Preparation of files from CATT Acoustic room acoustic modelling software for auralisations
- Any additional Acoustic calculations/modelling tasks not listed

The above list is not exclusive or exhaustive and the post holder may be required to undertake other tasks as may reasonably be expected.

### **ABILITIES AND VALUES**

- Strong communication and report writing skills with excellent attention to detail
- Reliable, responsive, and pro-active
- Confident with a positive attitude
- Self-motivated team player
- Honest, respectful and trustworthy
- Punctual with excellent time management and calendar management skills
- Flexible with starting and finishing times, including potential overnight stays away from company premises with all company-related expenses covered
- Ability to work with minimal supervision