

Outdoor Electrical Installation and Landscaping Specification in Compliance with Scottish Building Regulations

1. General Overview:

All dimensions in millimeters.

This specification outlines the requirements for outdoor electrical installations and landscaping, aligning with Scottish Building Regulations for safety and quality.

The existing stone paving and planter will be retained and integrated into the design.

2. Outdoor Electrical Installations:

All outdoor electrical components, including fixtures, outlets, wiring, and enclosures, must be designed and installed to be water and weatherproof, complying with Scottish Building Regulations for safety and durability.

Electrical installations must conform to the latest version of BS 7671 (IET Wiring Regulations) to ensure full compliance with safety standards.

3. EV Charging Point

This guidance outlines safe and accessible locations for charge point installations, referencing industry standards such as PAS 1899-2022, BS 7671, IET 'Code of Practice: Electric Vehicle Charging Equipment Installation', and BS EN 61851. Charge points must meet certain criteria including a minimum simultaneous output of 7kW per point with a universal socket, visual indicators for charging status, and adherence to specialized Mode 3 systems running from dedicated circuits as defined in BS EN IEC 61851-1.

4. Porcelain Paving Slabs:

The porcelain paving slabs are to be laid on a 50mm well-compacted sand bed, which is in turn laid onto the 225mm hardcore sub-base, all in accordance with the engineer's details and specifications.

The porcelain paving slabs used must possess anti-slip properties, conforming to BS 7533 standards, to ensure safety, especially in wet conditions.

5. Planters / Storage:

Proposed planter should be designed to enhance the aesthetic appeal of the landscape. The material for the planter should match the existing party wall, utilising brick in line with SG9 guidance. Additionally, the storage space incorporated into the planter must be watertight, ensuring compliance with Scottish Building Regulations. All materials chosen for planter construction must prioritise durability and suitability for outdoor use, in accordance with Scottish Building Regulations.

6. Garden Furniture:

Fixed and loose garden furniture shall adhere to BS EN 581 standards to guarantee ergonomic design and structural integrity.

Garden furniture materials should be chosen based on their ability to withstand outdoor conditions in compliance with Scottish regulations.

7. Existing Party Wall:

The existing party wall separating 15 and 16 Westbourne Gardens is to be rebuilt using facing brick to closely match the original brickwork. The reconstruction of the wall shall adhere to the engineer's design and specifications. Any new materials utilised must closely match the existing brick wall to ensure compliance with SG9 guidance for conservation areas.

8. Electric Gate:

The garden gate must adhere to the requirements outlined in BS EN 1176 to ensure its safety, structural stability, and proper installation in accordance with Scottish Building Regulations.

The installation of the sliding gate must comply with the regulations specified in BS7671 and should be carried out and inspected by a competent individual certified to Part P of the Scottish Building Regulations.

Special attention should be given to the potential hazards of crushing, whether involving vehicles, people, pets, or other objects, during the design and installation of the gate, with particular emphasis on child safety.

Additionally, the timber paneling on the telescopic gate must be treated with fire retardant and weatherproofing treatment to enhance its durability and safety.

9. Rear Boundary Wall:

The rear boundary wall should be constructed from stone, with its height matching that of the neighbouring boundary wall, in compliance with the SG9 guidance for conservation areas. The reconstruction of the wall shall adhere to the engineer's design and specifications.

10. Conservation Area Guidelines:

When erecting a boundary wall and garden gate within a conservation area, strict adherence to SG9 guidance is essential. Consult the local conservation authorities to ensure that the gate's design, materials, and placement comply with the SG9 guidance for conservation areas.

11. Health and Safety:

All work must strictly adhere to relevant health and safety regulations in line with Scottish Building Standards.

Contractors involved in installation work should follow appropriate safety practices and procedures.

12. Quality Assurance:

Installation and construction work should be carried out by experienced professionals well-versed in outdoor installations and landscaping.

Regular quality checks are imperative to confirm that the work aligns with the specified standards.

13. Compliance and Documentation:

All outdoor electrical components, stone paving, planters, garden furniture, party wall, rear boundary wall and the gate must be installed and documented to comply with the specified standards and Scottish Building Regulations.

Upon project completion, comprehensive documentation, including compliance certificates and user manuals, must be provided to the client.

14. Project Timeline:

Develop a detailed project timeline encompassing all stages of installation and landscaping work, accounting for potential weather-related delays.

15. Project Communication:

Maintain open and effective communication among all stakeholders to address any issues or modifications that may arise during the project.

Note: This specification is subject to the most recent Scottish Building Regulations and standards at the project's commencement. Any updates to regulations or standards during the project's duration must be integrated into the work as required. The project team is responsible for staying informed about pertinent regulations and standards.

2. All sizes to be checked on site prior to construction.
3. This drawing is the copyright of the author.

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