

The Civic Government (Scotland) Act 1982

Design Certificate for the Erection of a Raised Structure



I hereby certify that the raised structure at :-

.....

for the purpose of :-

.....

the structure has been designed in accordance with the recommendations of British Standard (BS) 5950. The steel tubes and fittings comply with BS 1139* and all other materials with the appropriate British Standard Specification.

I also certify that the structure will be adequately supported on firm ground of the required bearing capacity, or otherwise adequately supported (give details of structure including access and means of escape) and complying with **BS 5973**.

Before use of the structure a "Certificate of Completion of Erection" is required to be signed and returned for the attention of the Operations Manager, Planning & Economic Development, The Johnnie Walker Bond, 15 Strand Street, Kilmarnock, KA1 1HU Tel: 01563 576778

Structural Engineers Details

Print Name	Qualifications
Signed	Official Designation
Date	
Company (if applic.)	Address
Tel. No.	e-mail

***Where tubes and fittings other than steel are to be used, or proprietary systems, full details are to be given, with Test Certificates, where required, to prove structural stability and/or compliance with the relevant British Standard/Code of Practice.**

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Vertical Loading:

The structure should be designed to withstand the imposed loadings given in Table 1 of BS6399 : Part 1 : 1996. These loadings vary depending on the use of the structure.

Horizontal Loading:

- a) **Notional Horizontal Loading** : Notional horizontal loads should be applied as specified in the various materials design codes.
- b) **Wind Loading** : Wind loads should be taken into account when the structure is erected outdoors adjacent to large openings to the outside of a building. The wind loads should be derived from either CP3: Ch V:Part 2, or BS6399 : Part 2. The basic wind speed for East Ayrshire is 51m/s when using CP3 and 24.5m/s when using BS6399.
- c) **Horizontal Loading to Handrails etc** : Handrails, balustrades etc, should be designed to resist the loads specified in Table 4 of BS6399 : Part 1 : 1996. Where the raised structure is bounded by walls, they should also be designed to resist these loads. In addition, fixings should also be designed to transfer the loads to the structure.

Note : that handrails and balustrades to stairs should also be designed to resist these loads.

Drawings:

Drawings should be supplied showing the structural details. The details should include structural member type, size and centres, connection details, fixing details etc.

The drawings should show **the structure that is intended to be erected in East Ayrshire** and should be supplied as soon as possible to allow time for checking.

Calculations should relate to the structure as shown on the drawings.

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Site Erection:

Erection of the structure should be supervised by a responsible person with experience of the erection of similar structures.

Where the structure is to be erected outdoors, a competent person should carry out a prior site visit to check that the location is suitable. Points to be considered should include; does the ground slope sharply or undulate, does the surface have sufficient bearing capacity, are there any overhead cables, underground services etc.

General:

Useful guidance is given in the publication “Temporary Demountable Structures – guidance on procurement, design and use”, Third Edition by The Institution of Structural Engineers 2007; and in the “Guide to Safety at Sports Grounds” (The Green Guide) Fifth Edition 2008.

The appropriate Structural Eurocodes may be utilised.