



# Certification Performance Criteria Guidance

## B6.2 Protective Barriers

### Performance Criteria

Certifiers shall satisfy themselves that adequate details of any pedestrian or vehicle barriers have been prepared and that there are sufficient calculations to demonstrate their design.

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### Background

Requirements 7.1 and 7.2 require the provision of protection for pedestrians and vehicles respectively to changes in level within the building. Protection may take various forms including walls, partitions, fixed glazing handrails or parapets.

These should be capable of withstanding the loads specified in BS 6180 and BS 6399.

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### Guidance

The Certifier must see that any elements that form part of a building which will act as protective barriers have been properly identified and that they have been designed and detailed to meet Requirement 1.1.

It is important that the design of the barrier fixings and the design of the structure to which any protective barrier is attached is also considered.

Often the information that will be required for certification of the protective barriers will be not be available when the initial permit application is made and therefore that certification of the protective barriers will be may deferred until the design has been completed and checked.

Care must be taken to see that the deflection of all parts of the barriers are checked against recommended limits.

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### Examples of Major Non-conformances

The design of any protective barriers clearly does not meet Requirement 1.1.

Absence of or grossly inadequate details of the protective barriers and their fixings.

Absence of or grossly inadequate calculations or other justification demonstrating the ability of the protective barriers and their fixings to support the required loads.

Absence of or grossly inadequate consideration of the ability of the supporting structure to withstand the loads from the barrier.

Absence of evidence demonstrating that the certifier made adequate enquiry regarding the design of the barrier and its fixings and/or the experience of those undertaking the design where this was prepared by an external specialist/third party.

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## Examples of Improvement Issues

Inadequate details of the protective barriers and their fixings.

Inadequate calculations or other justification demonstrating the ability of protective barriers and their fixings to support the required loads.

Inadequate consideration of the ability of the supporting structure to withstand the loads from the barrier.

Inadequate evidence demonstrating that the Certifier made adequate enquiry regarding the design of the barrier and its fixings and/or the experience of those undertaking the design where this was prepared by an external specialist third/party.

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