

BHC-P-10.7 Steel Containers

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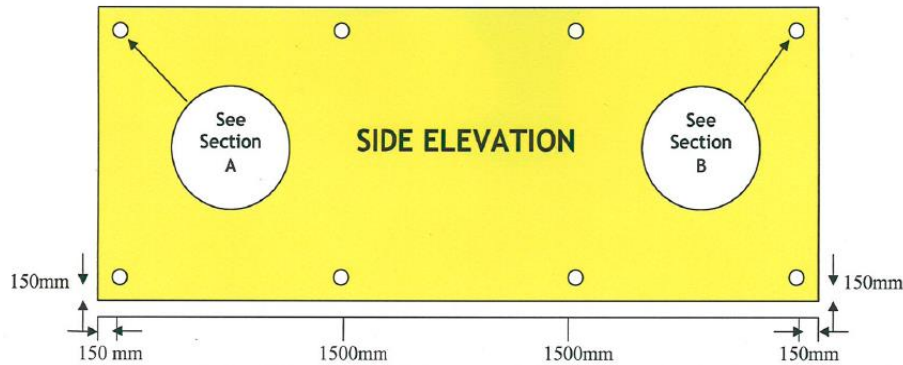
Revision register		
Date	Version	Description - reason for change
01/05/2015	1	New procedure
06/02/2019	2	Review in line with v5 of BG Group Standard update to BGCS38

Item	Details	Reference	Responsibility
1.0	Purpose		
1.1	To ensure the management and operational requirements for steel storage containers are implemented, understood and maintained in line with Berkeley Group Standard BGCS38	BGCS38	
2.0	Scope		
2.1	Applies to all steel storage/ shipping containers used on BHC construction sites whether they are used as stores, offices or welfare.		
3.0	Definitions		
3.1	N/A		
4.0	Main requirements		
4.1	The commercial department must ensure that the requirements for steel storage containers are issued to all contractors during the tender process.		Commercial department
4.2	<p>The Project Manager must ensure that all steel storage containers used for onsite storage are:</p> <ul style="list-style-type: none"> Sited on firm, compact and level ground; Fitted with a restraint system so that the door can be locked open at all times while personnel are inside; Displaying clear warning notices on the inside leaf of both doors; Displaying 'Doors must remain open when personnel are inside' notices on the inside and outside of both doors; Ventilated as detailed in Appendix1; Locked when not in use or when unattended. 	Appendix 1	Project Manager/ Contractor
4.3	<p>Other containers</p> <p>Where steel containers are used as a workplace or for purposes other than storage, the contractor must demonstrate that the unit is suitable, including opening windows and/or other forms of adequate ventilation and can be opened from the inside.</p> <p>Steel shipping containers used to deliver goods from abroad and then returned for re-use will be excluded from the ventilation requirements, but while on site must display notices as detailed in Appendix 1 and must remain locked, with access controlled through a suitable permit to work system.</p>	Appendix 1	Project Manager/ Contractor
4.4	The Project Manager must ensure that a check is made of all steel containers for compliance with this procedure before they are put into use. Non-compliant containers must remain locked and display a 'Do not Use' notice.		Project Manager
5.0	Guidance documents and references		
5.1	Legislation and Guidance The Management of Health and Safety at Work Regulations 1999		
5.2	Berkeley Group Standards BGCS38 Steel Storage Containers		
6.0	Appendices		
6.1	Appendix 1 – Ventilation and signage requirements for steel containers used for on-site storage		

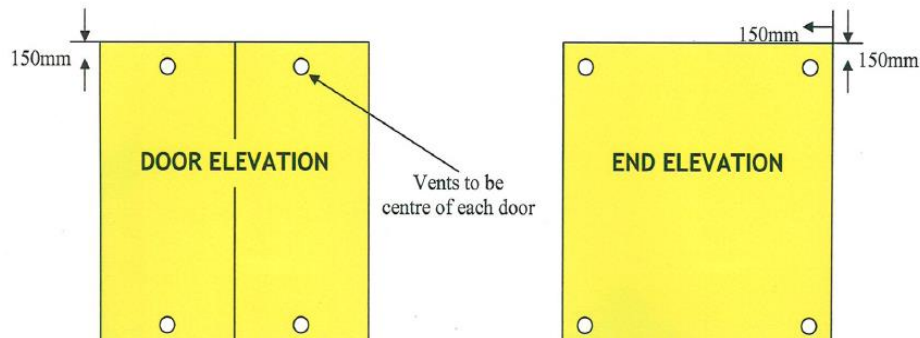
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Appendix 1 – Ventilation and signage requirements for steel containers used for on-site storage

1. The minimum requirement for ventilation is as described below on each side of the container. Sections A & B refer to the container designs which are described later in this guide. The vents intended for use as a minimum are 50mm plastic soffit vents.
2. The ventilation holes should be in the sides of the container (top and bottom, as indicated below).



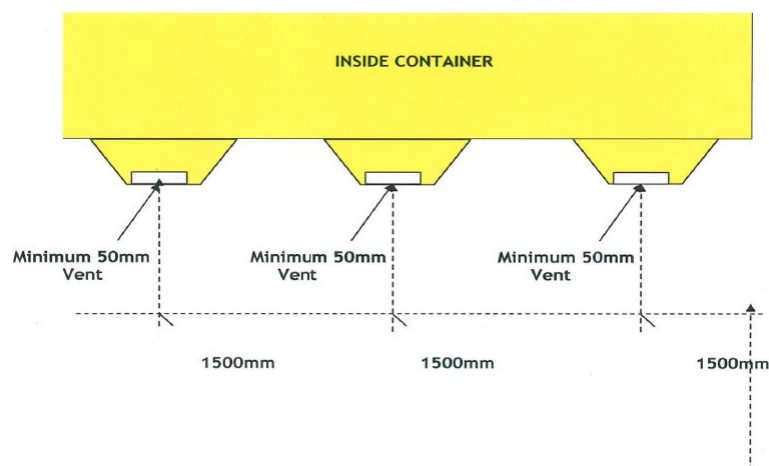
3. If this is not practicable, the ventilation holes can be fitted in both ends (as indicated below). All dimensions are taken from inside the steel storage container.



Note: All dimensions are taken from inside the steel storage container.

4. If possible the vents should be fitted to the raised ribs on the container sides (as indicated in section A below).

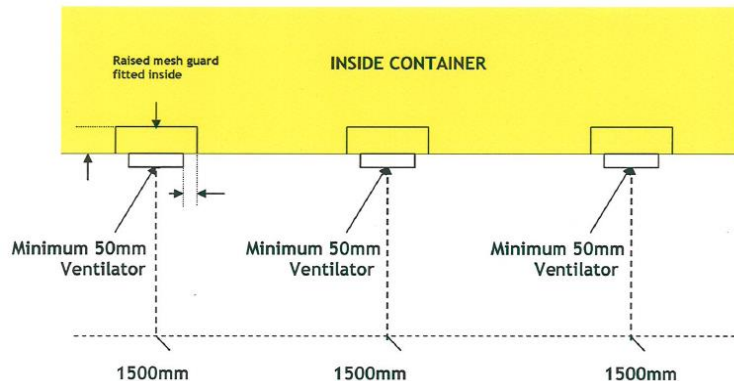
SECTION A - CORRUGATED TYPE CONTAINERS



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5. If non-ribbed/ smooth sided containers are used, the vents should be fitted with raised mesh guards on the inside of the container (as indicated in section B below), to prevent the hole from being covered inadvertently.

SECTION B - NON-CORRUGATED TYPE CONTAINERS



Warning notices to be displayed

Display warning notices as follows:

Type	Minimum Requirements
Steel containers used for on-site storage only and steel shipping containers used to deliver goods from abroad, and then returned abroad for re-use	<p>1) Display Safety Alert Notice on inside leaf of both doors (see example)</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p style="text-align: center;">SAFETY ALERT</p> <p style="text-align: center;">Storage Containers</p> <p>A news report detailed a tragic accident in which three workers died. They were overcome by fumes from a combustion driven generator used inside an on-site storage container.</p> </div> <div style="border: 1px solid black; padding: 5px; width: 45%; background-color: red; color: white; text-align: center;"> <p>DOORS MUST REMAIN OPEN WHEN PERSONNEL ARE INSIDE</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p style="text-align: center;">WARNING</p> <p>Exhaust fumes from petrol and Diesel type generators produce carbon monoxide. This gas will be lethal in a confined space.</p> <ul style="list-style-type: none"> DO NOT USE PETROL/DIESEL GENERATORS INDOORS. DO NOT REFUEL INDOORS. KEEP THE DOORS OPEN WHEN INSIDE CONTAINER. </div> <div style="text-align: center;"> <p>DANGER Confined Space</p> </div> </div> <p style="text-align: center; margin-top: 10px;">ACTIONS REQUIRED</p> <ol style="list-style-type: none"> Ensure that storage containers are not used as canteens, offices or for shelter. If used as a workplace or as an office they must include opening windows and/or other forms of adequate ventilation. Ensure that containers are locked when not in use or when unattended. Ensure that the doors remain open at all times while personnel are inside. <p>2) Display 'Doors Must Remain Open When Personnel Are Inside' notices on inside and outside of both doors (see example below).</p> <div style="border: 1px solid black; padding: 5px; width: 150px; margin: 10px auto; background-color: red; color: white; text-align: center;"> <p>DOORS MUST REMAIN OPEN WHEN PERSONNEL ARE INSIDE</p> </div>

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