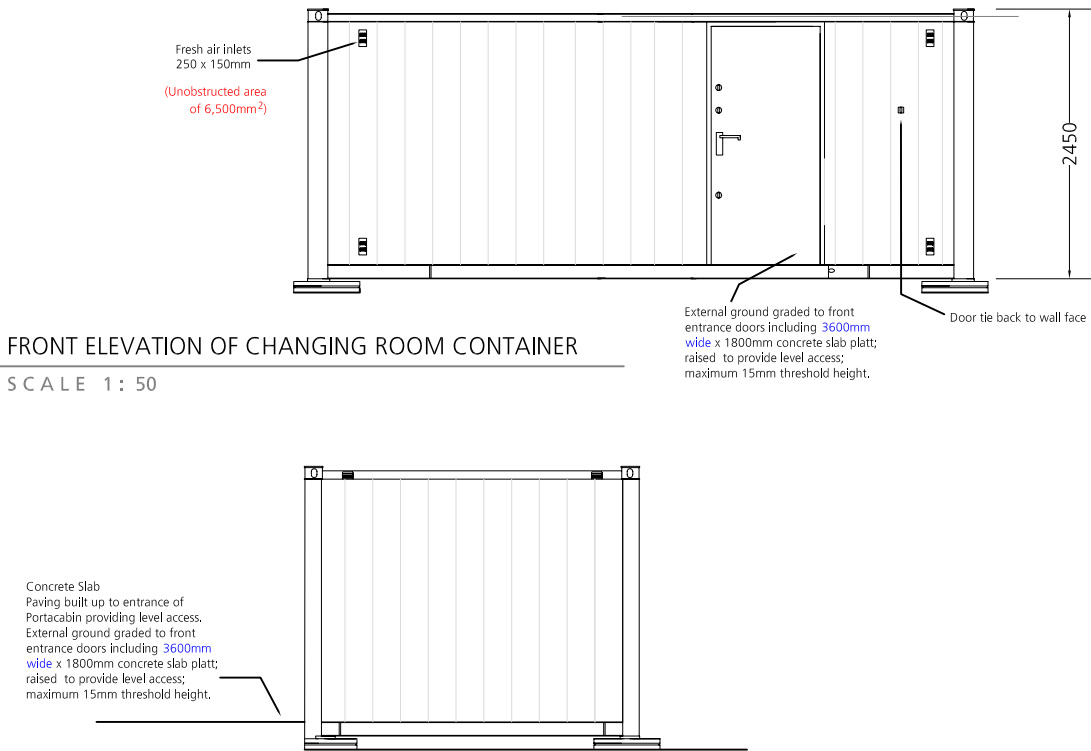


PLAN OF CHANGING ROOM CONTAINER

SCALE 1 : 50



FRONT ELEVATION OF CHANGING ROOM CONTAINER

SCALE 1 : 50

SIDE ELEVATION OF CHANGING ROOM CONTAINER

SCALE 1 : 50

Steelacom Specification

GENERAL

The "Steelacom" is a fully welded steel box structure manufactured for toilet and changing facilities.

The units are to be supervised at all times when in use.

All works are to be in accordance with the Building Standards (Scotland) Regulations 2004 and current amendments, and to the satisfaction of the local authority building control officer.

All drainage works are to be fixed in accordance with the manufacturer's instructions.

Structure

Foundations to be 750 x 750 x 400mm thick, with A193 mesh reinforcement. Formation to be firm, natural undisturbed ground with a bearing pressure of 100kNm<sup>2</sup>

Supporting engineering brick piers to be 600 x 600mm, with height to suit finished floor levels.

Assume a standard ground bearing capacity of 100k/m<sup>2</sup>, subject to engineer's approval.

Roofs are safely accessible for maintenance purposes. Warning signs are to be provided.

Base Frame

Manufactured from 80 x 55mm Roll 'C' Section Bearers, 100 x 50mm Bottom Channel and 76 x 38 Top Channel.

Corner Pillars

Manufactured from 3mm pressed steel sections welded to top lift facility twistlock plates. Steel specification to BS 4360:43A, Tensile quality.

Sides, Ends & Roof

Constructed from 1.6mm deeply profiled, mild steel corrugated panels, continuously seam welded at joints and corner pillars. Steel specification to BS 1449:1983:Part 1:HR 4.

Steel Finish

All steelwork sprayed externally and internally to an average film thickness of 75 microns (external), 40 microns (internally) with one coat hi-build anti-corrosive, self priming modified alkid.

**Personnel Door:** Manufactured using galvanised steel sheets with an integral rigid frame. Injected with euethane foam for added strength and insulation. Door u-value to be a maximum of 3.3 w/m<sup>2</sup> °C.

Robust wearing anodised door furniture. 5 lever 'Euro Styled Lock Barrel' with internal lock and override for safety. Eight point locking system for additional security.

**Ceiling:** 15mm vinyl faced, foil backed plasterboard fitted onto 70 x 32mm stud timbers at 600mm centres. Insulated with 100mm Kooltherm. Ceiling surfaces to achieve a class 1 surface spread of flame.

**Walls:** 15mm duraline, foil backed, vinyl faced plastic trims fitted onto 70 x 32mm stud timbers at 600mm centres. Insulated with 100mm Kooltherm. All to achieve a 30 minute period of fire resistance. Wall surfaces to achieve a class 1 surface spread of flame.

**Floors:** 18.5mm plywood floor overlaid with 2.5mm sheet vinyl. Insulated with 100mm Kingspan Thermalfloor TF 70, with 140kPa compressive strength. To prevent cold bridging at the edge of the floor, the distance between the top of the floor insulation surface and the bottom of the wall insulation must be at least 150mm.

**Electrics:** To BS7671:2008 and the 17th Edition I.E.E. Regulations 2011. Consumer unit with RDC and MCB's, light switch, 1.5m fluorescent light, 13amp twin switched socket, 2kw wall mounted tubular heater thermostatically controlled within toilet areas.

All electrical work to be completed by a SELET or NICEIC member.

Supply and install new power supply to each new unit with supply taken from adjacent mains distribution point, located within the main pavilion. Test installation on completion.

Provide non-maintained emergency light fitting with battery back up at exit door.

Alter and extend existing drainage and connect to each new unit.

Alter and extend existing mains water supply and connect to each new unit.

Heights and positions of electrical works are to comply with Technical Standard 4.8.6. All fittings to be a minimum of 350mm from an internal corner. Light switches to be between 900mm and 1200mm in height above finished floor level

An electric meter will be provided if there is no adjacent supply existing.

NOTE: Plan illustrates Container No.1 Container No.2 is a mirror image.

**External Landscaping:** Supply and lay new paving to the perimeter of the front elevation, connecting with main entrance of the neighbouring Pavilion. Paving to be 600 x 600mm pre-cast concrete slabs bedded onto sand base. New paving returned along edge of each new unit.

Build up concrete paving slabs up to 150mm in height to form step up to access new unit. All in accordance with BS8300 : 2009

**Fire:** Provide CO<sup>2</sup> and water extinguishers in a locked cabinet in the changing area. To be supplied by the applicant.

All exit routes to lead to a place of safety. Refer to location plan.

**Boundary:** Cabins to be sited not less than 1m from a boundary

**Access:** Provide a single grab rail in one of the WC compartments.

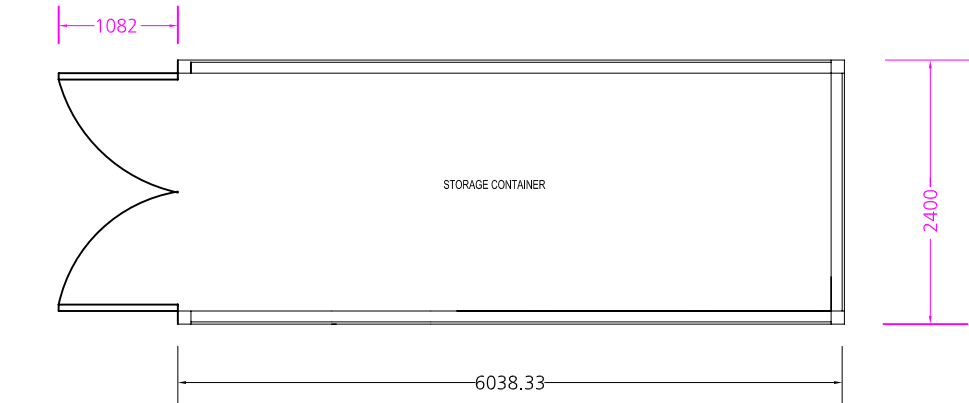
Shape or ramp the external ground to achieve a maximum gradient of 1:12 for access. Provide concrete slab platt 1800mm long and 1800mm wide beyond door in open position.

Entrance door threshold to be level. Maximum 15mm rise.

**Environment:** The site under application in not effected by flooding, radon or contamination. (T8C).

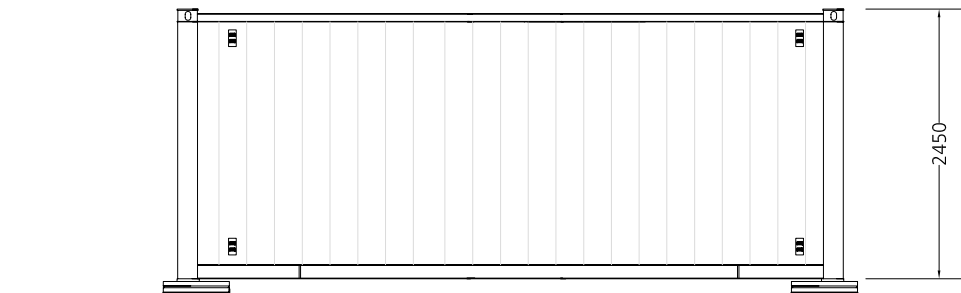
Energy:

U-value walls - 0.29 w/m<sup>2</sup>°C  
U-value roof - 0.27 w/m<sup>2</sup>°C  
U-value floor - 0.18 w/m<sup>2</sup>°C



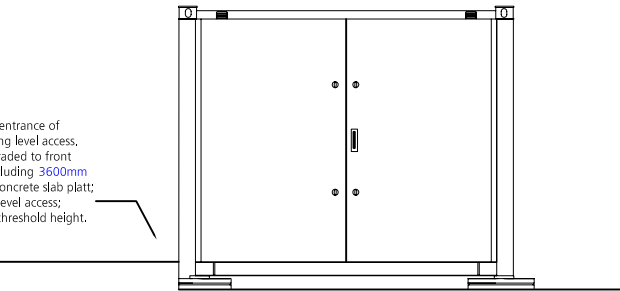
PLAN OF STORAGE CONTAINER

SCALE 1 : 50



SIDE ELEVATION OF STORAGE CONTAINER

SCALE 1 : 50



FRONT ELEVATION OF STORAGE CONTAINER

SCALE 1 : 50

Do not scale from this drawing  
All dimensions to be checked on site

Notes:	1500 Fluorescent Light Fitting with Prismatic Diffuser
2-D Fluorescent Light Fitting	
1kW / 2kW High Level Fan Heater	
7.2kW 25 / 45 Litre Water Heater	
Tubular Heater	
3kW Flow Through Water Heater	
2kW Hand Dryer	
Room Stat	
Frost Stat	
Single Gang Light Switch	
Twin Gang Light Switch	
Pull Cord Light Switch	
Emergency Pull Cord	
Key Switch	
Twin 13A Switched Socket Set At 450 Above Floor Level	
13A Fused Connection Unit Set At 450 Above Floor Level	
Consumer Unit	
4" Mechanical Extractor Fan (Timed)	
Emergency Lighting with Battery Back-up	

Amendments:	
Rev A	1. Insert grab rail to Toilet No.2 2. Increase clear opening width of Toilet No.2 door 3. Annotate - Insert note on fresh air inlets to consider. 4. Notes - Ceiling / Wall / Floor insulation type amended to 100mm Kooltherm 5. Notes - Unvalues for walls, roof and floor amended
Rev B - MEW	(All Rev B amendments made in red) 1. Allow for warning signs to be provided in respect of roof safety. 2. Upgrade the ceiling inlets to achieve a class 1 surface spread of flame. 3. Unvalue of roof amended to 0.27w/m <sup>2</sup> °C 4. Capacity of fresh air inlets noted.
Rev C - MEW	(All Rev C amendments made in red) 1. Additional information contained under "Structure" heading in relation to foundation thickness and supporting engineering plans.
Rev D - MEW	(All Rev D amendments made in blue) 1. Concrete slab plates shown to be 3.0m wide x 1.8m deep. 2. Specification of floor insulation amended. 3. Unvalues for roof and floor amended. (Further amendments made in purple) 1. Noted that the extinguishers to be provided by applicant. 2. Emergency light fitting to be non-maintained. 3. Ceiling and wall specifications subject to minor amendments. 4. Location of emergency light fitting amended on drawing. 5. High level fan heaters in changing rooms removed. 6. Width of storage container amended to 2.400m.

Drawing type:	STAS Approval
Client:	Scottish Football Partnership
Project:	SIBCAS Portacabins
Title:	Changing Room Containers and Storage Containers
Scale:	1:50 @ A2
Date:	19 May 2011
Drawn:	LJH
Checked:	ADM
Drg.no:	114669-001 - STAS
Rev:	D

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