



Paterson Redevelopment Project

Planning Condition 25 External Compound Materials

Rev P04

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Planning Condition 25 of approval 123748/FO/2019 dated 28 May 2019 states:

25) Notwithstanding the approved details, prior to construction of the external storage and servicing compound indicated on approved drawing PRP-BDP-Z01-00-PL-A-9001 Rev P01 commencing, details of the external appearance of any boundary fencing (or other means of enclosure), storage buildings, machinery and surfacing materials (including samples of materials where requested by the City Council) shall be submitted to and approved in writing by the City Council as Local Planning Authority. The external storage and servicing compound shall thereafter be constructed in accordance with the approved details.

Reason - In the interests of residential and visual amenity, pursuant to Policy DM1 in the Manchester Core Strategy.

This document provides details of the external appearance of the FM compound, including the boundary fencing, storage buildings, machinery and surfacing materials, and in doing so seeks to discharge this condition.

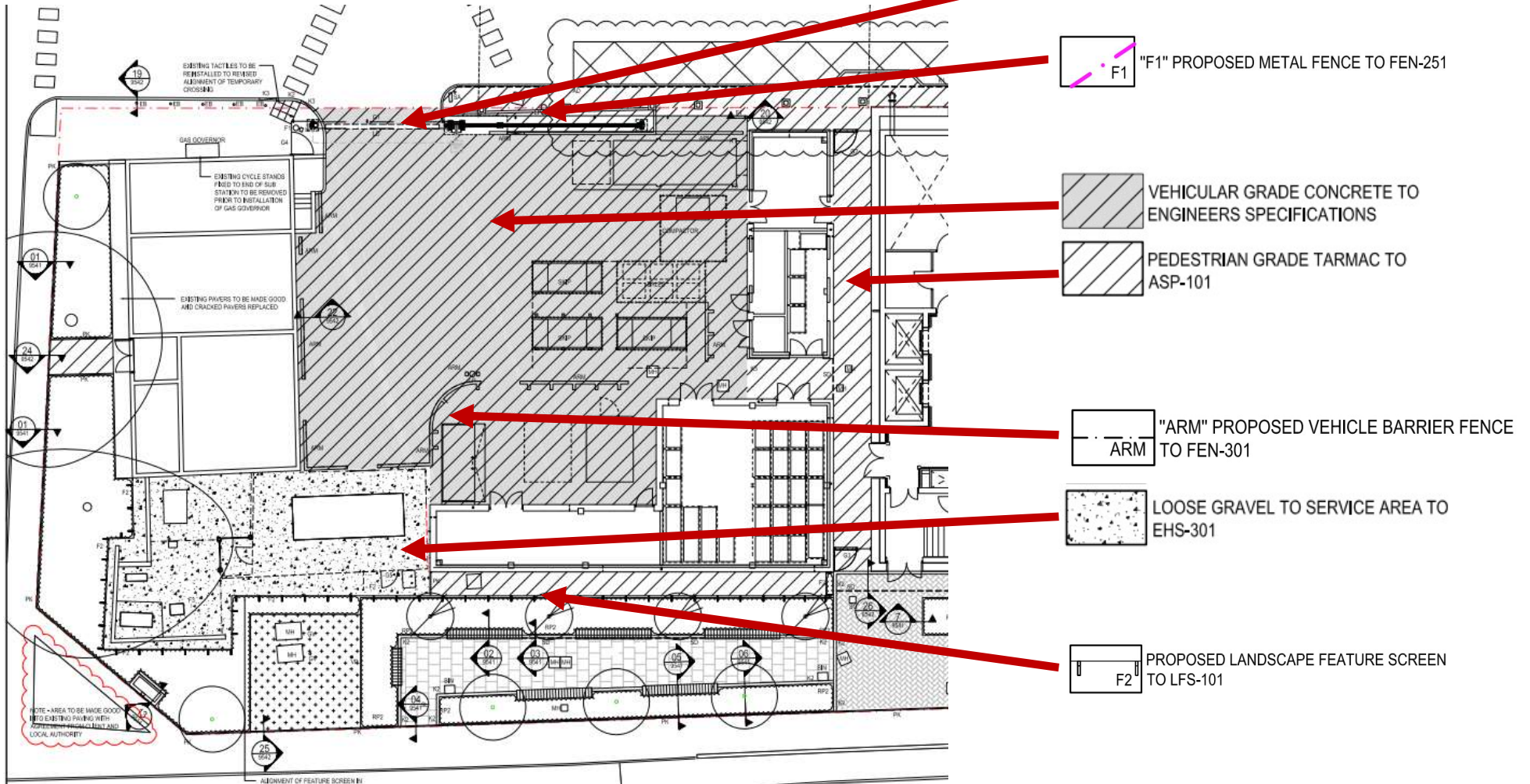
Introduction

Location of FM Compound

(Extract from PRP-BDP-Z01-00-PL-A-0901 to show location, compound buildings now changed)



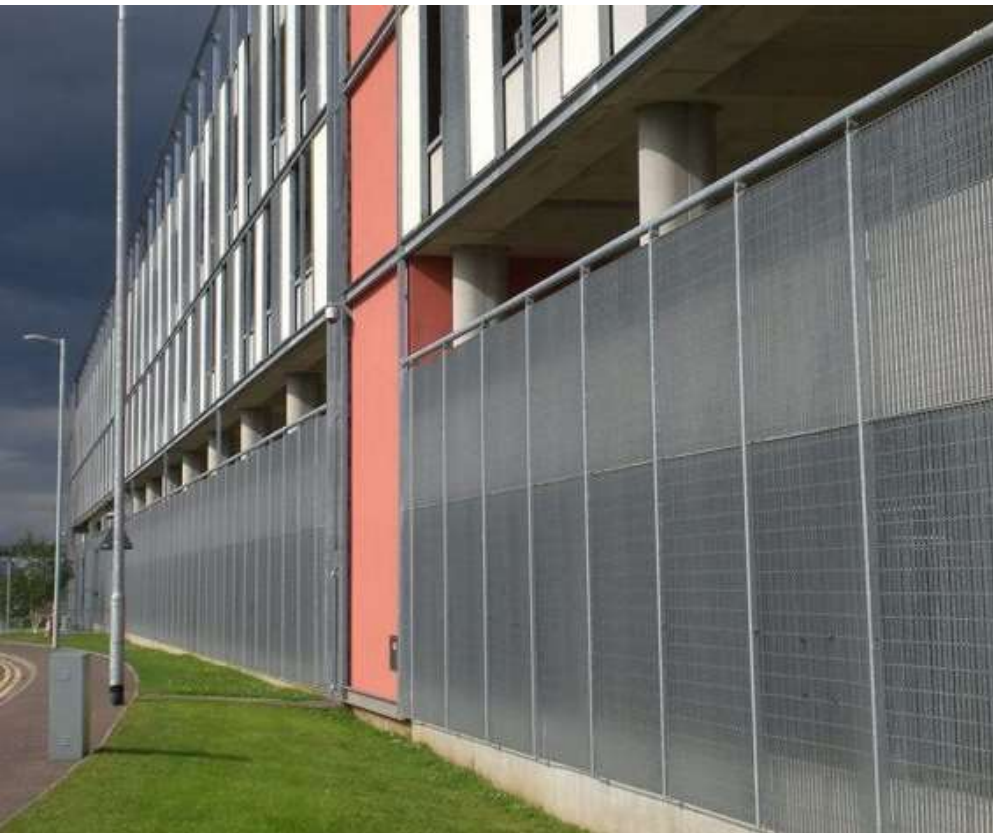
FM Compound Layout (Extract from PRP-BDP-Z01-XX-PL-L-9521)



Boundary Fencing Details

F1 Proposed Metal Fencing

Sample images and specification



Ss_25_14_67_51 FEN-251 Metal mesh panel fencing systems D

Systems

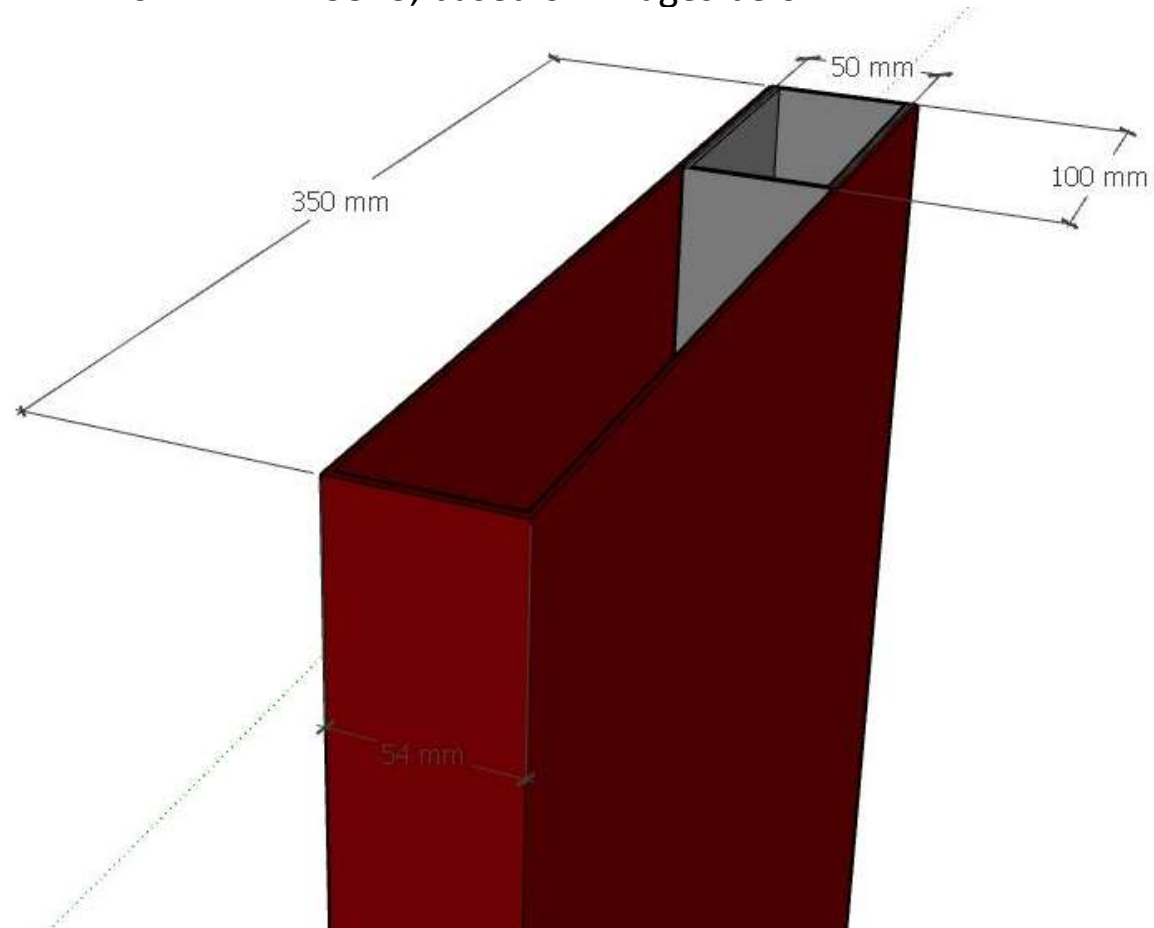
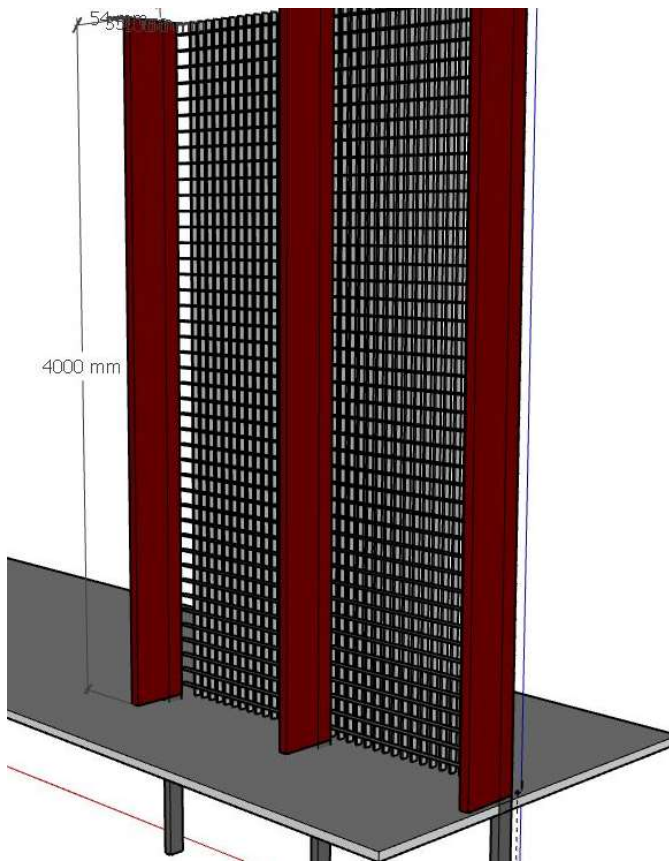
Ss_25_14_67_51 FEN-251 Metal mesh panel fencing systems D

1. Description: F1
Product: 'Stereo 3' steel grating panels, or similar approved
Colour: Dark grey, TBC
Size: 2.4m high x 1870mm wide panels
Other information:
 - Mesh fence panels and posts to be hot dip galvanised and powder coated
 - Fence posts to be set in below ground concrete foundation
 - Automatic sliding gate to service yard entrance to have mesh infill to match fence
 - Pedestrian access gates to service yard as above, with locking mechanisms, and infill panels

Boundary Fencing Details

F2 Proposed Landscape Feature Screen

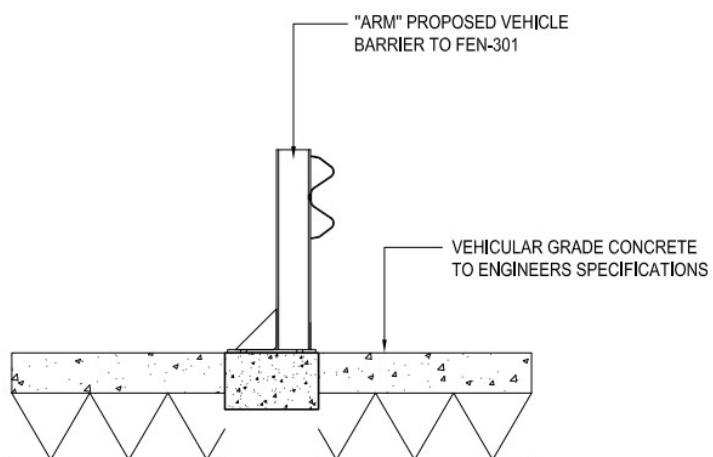
Landscape Feature Screen to be based on a standard 4m high sports fence, with 100mm long by 50mm wide posts, clad in corten, shown on PRP-BDP-Z01-XX-PL-L-9543, based on images below:



Vehicle Barrier Details

Proposed Armco Barrier

Typical Armco Barrier detail taken from PRP-BDP-Z01-XX-PL-L-9542 and image from www.armco.uk.com

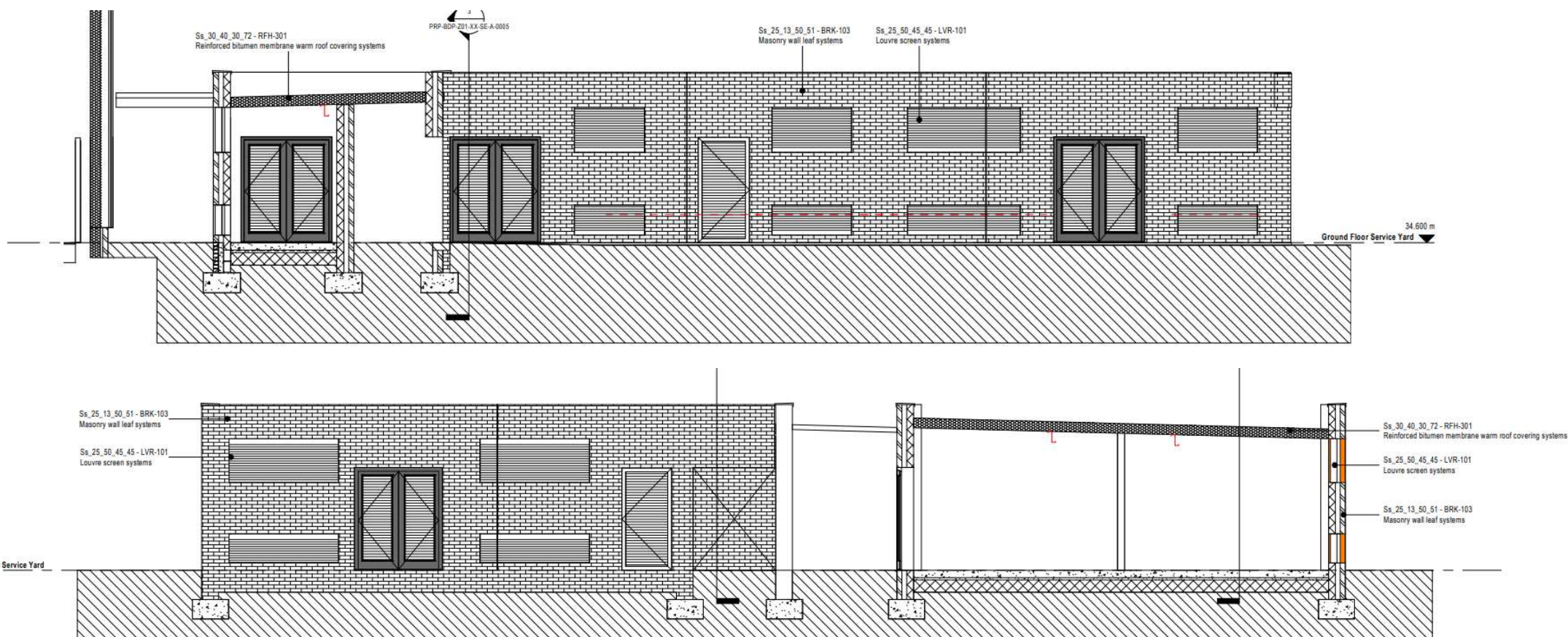


FM Compound/Storage Building

Masonry walls to be Engineering Facing Brickwork (Staffordshire Smooth Blue Solid) with mortar to match brick colour.

Roof to be reinforced bitumen membrane warm roof covering.

Details on PRP-BDP-Z01-XX-SP-A-2001 (Outbuildings Specification). Extracts below from PRP-BDP-Z01-XX-SE-A-0005:



FM Compound/Storage Building

Facing Brickwork Details



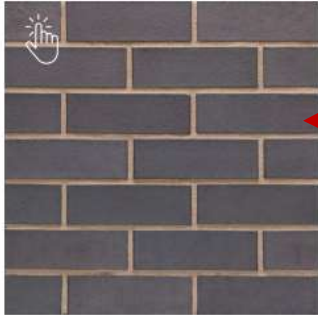
Wienerberger

Staffordshire Smooth Blue Solid

Product Technical Information Sheet	
Wienerberger Code	24331010 (K101)
Production Plant	Kingsbury
Manufacture	Extruded/Wirecut
Configuration	Solid
Colour	Blue
Appearance	Smooth
Work Size (mm)	215 x 102.5 x 65
Pack Quantity	400 No.
Individual Dry Brick Weight (kg)	3.2

Technical Properties to BS EN 771-1	
Size Tolerance (Mean/Range)	T2/R1
Gross Dry Density (kg/m ³ /Tolerance)	2190 (D1)
Compressive Strength (N/mm ²)	≥75
Thermal Conductivity (W/(m·K)) $\lambda_{10, dry, unt}$ value (EN 1745 tabulated: S1)	P=90% 0.79
Durability Designation	F2
Water Absorption (%)	≤7
Initial Rate of Water Absorption (kg/(m ² ·min))	Min. 0.0 Max. 0.5
Active Soluble Salts	S2
Reaction to Fire	Class A1

Issue Date: 07/09/2020
Technical data correct at time of issue. Individual dry brick weights can vary and are for guidance only. Any questions regarding this data should be referred to the Wienerberger Technical Department. Due to the limitations of screen and print colour representation of product images it is advised that brick samples are viewed prior to ordering.



Mortar colour indicative only. Actual mortar colour to match brick colour.



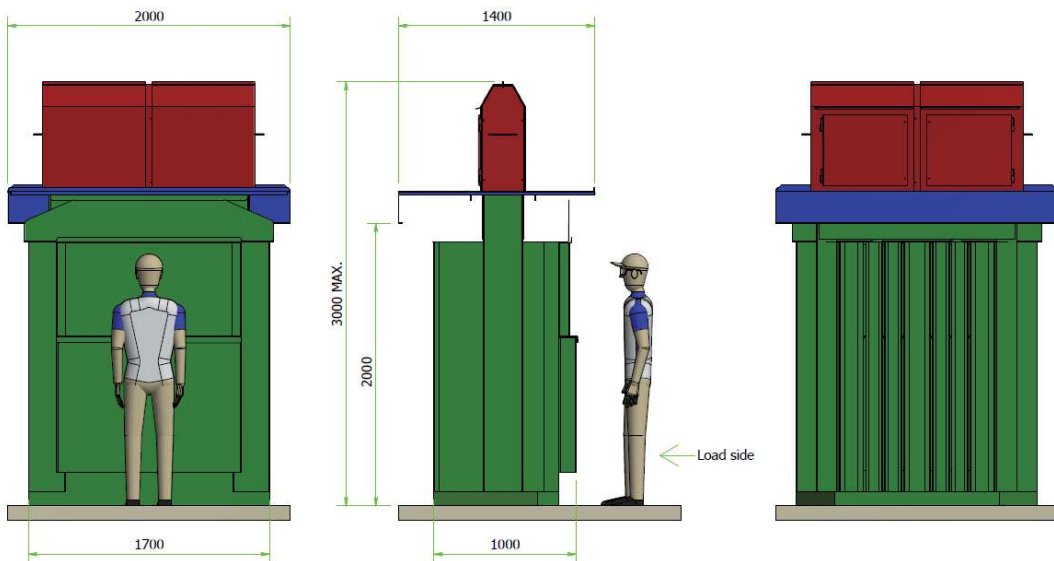
BIM Objects Download

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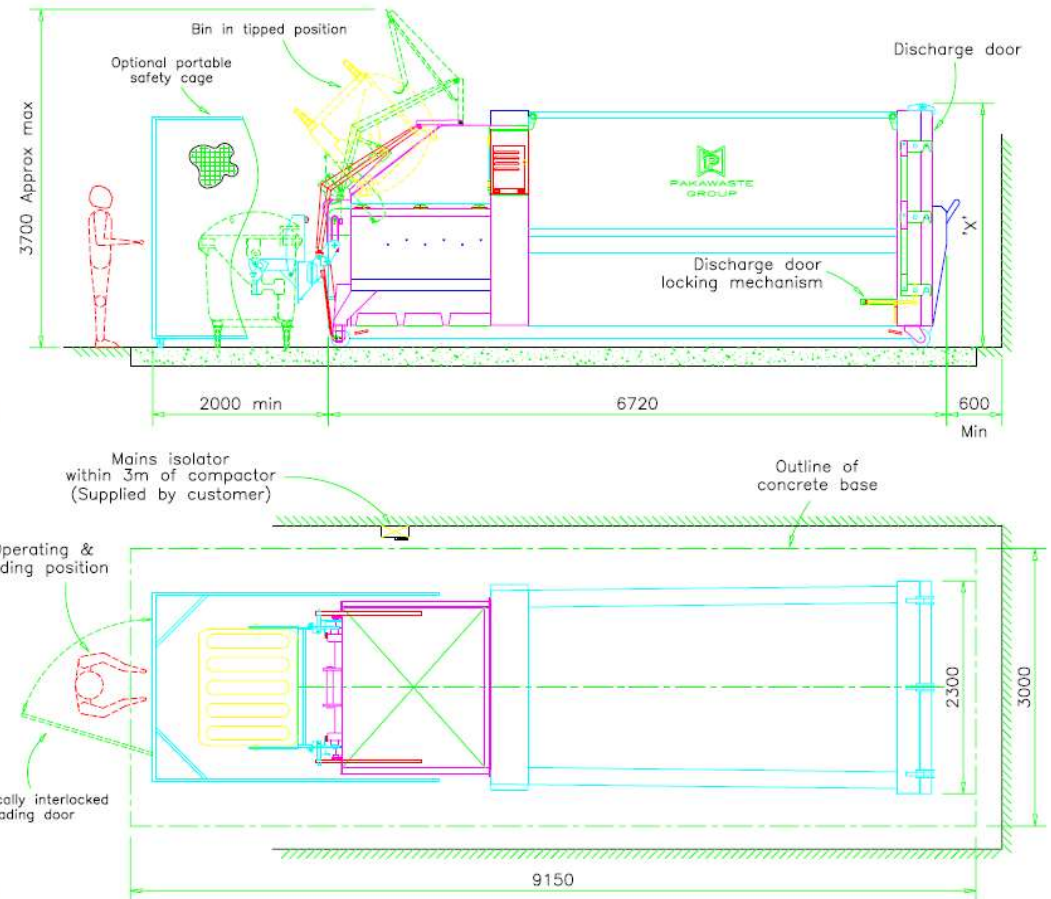
FM Compound/Machinery

Sample images of Compactor, extracted from 'Compactor Elevations' and 'Compactor Plan and Section' (colours indicative)



VIEW

VIEW



PK

FM Compound/Machinery

Data Sheet/Sample Image of Pre-fabricated Chemical Store taken from 'Chemstore Details' (colours indicative)

Chemstore Ireland
Clondrinagh Ind Est
Ennis Rd, Limerick, V94 XT27
Phone: 061 327 792
www.chemstore.ie
sales@chemstore.ie

Chemstore[®]
HAZARDOUS MATERIALS EXPERTS

Chemstore UK
329 Putney Bridge Road
London SW15 2PG
Phone: 0208 704 1807
www.chemstore.co.uk
sales@chemstore.co.uk

'3.5mWI-FV' Firevault



- 90 Minute fire rated construction ✓
- Fully bunded, tested and certified ✓
- Vandal proof ✓
- Maintenance free ✓
- Fork-liftable ✓
- Optional extras available ✓



Overall Dimensions:	2500L x 3500W x 2600H mm.
Storage:	156x25L drums.
Tare Weight:	3191kgs.
Access:	Robust hinged door and is fully key lockable complete with option of vandal proof shroud
Sumps:	Total Capacity: 1200L. Corrosion resistant epoxy coating over steel sump tray, fitted under floor level.
	Bund Test Certificates are issued with each unit. (Capacity exceeds current Environmental guidelines, 25% of the total volume and 110% of the single largest container).

FM Compound/Machinery

Data Sheet/Sample Image of Cylinder Gas storage taken from 'Cylinder Gas Storage' (colours indicative)

Chemstore Ireland
Clondrinagh Ind Est
Ennis Rd, Limerick, V94 XT27
Phone: 061 327 792
www.chemstore.ie
sales@chemstore.ie

Chemstore[®]
HAZARDOUS MATERIALS EXPERTS

Chemstore UK
329 Putney Bridge Road
London SW15 2PG
Phone: 0208 704 1807
www.chemstore.co.uk
sales@chemstore.co.uk

'48GSD' – 48 Cylinder Gas Storage Unit



Fully bunded, tested and certified

Vandal proof

Maintenance free

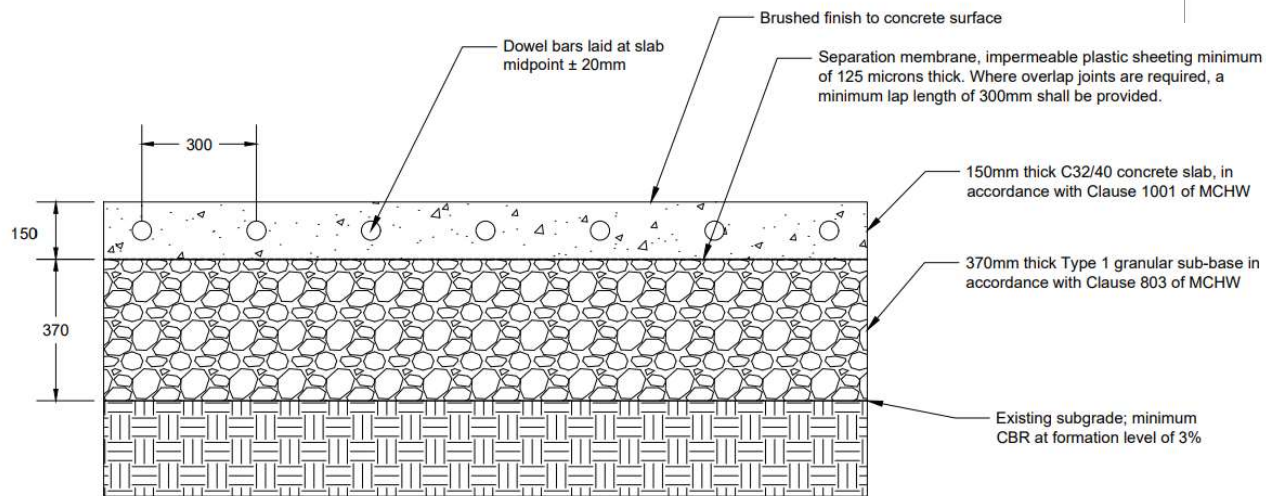
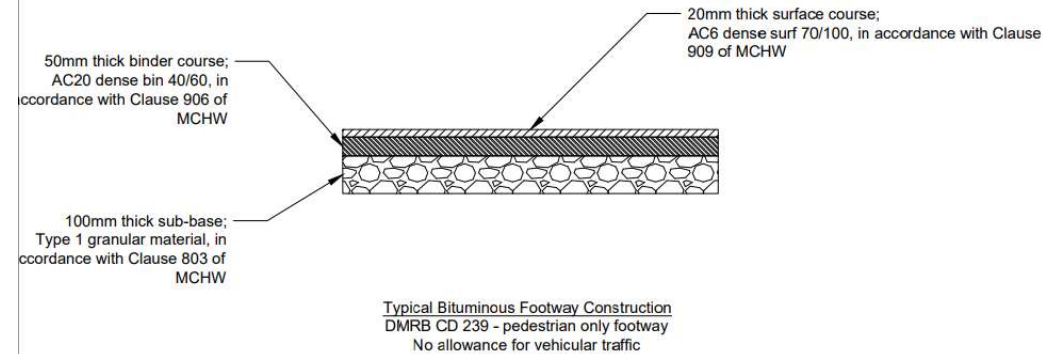
Optional extras available



Overall Dimensions:	2350H x 5100W x 1700D (2200 with ramp) mm
Storage Volume:	48 Gas Containers (max cylinder diameter 300mm)
Access:	Twin opening sliding meshed doors with pad-lockable lugs.
Tare Weight:	752Kg
Colour:	RAL 5017

FM Compound/Surfacing Materials

Extracts from PRP-ARUP-ZZZ-XX-DR-C-2843 showing concrete service yard surfacing and tarmac footway surfacing.



Typical Concrete Pavement Construction
Traffic Load 0.2msa
Design Life 40 years

In the absence of definitive vehicle movements for the service yard, the concrete slab has been designed to accommodate:

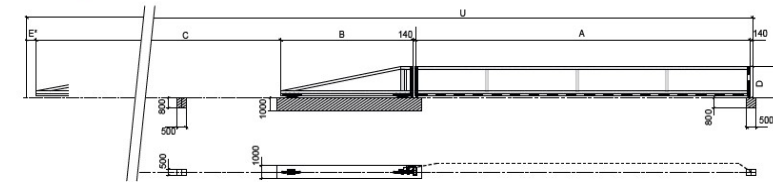
- 1 x Compactor Vehicle per week
- 1 x Baler Vehicle per week
- 1 x 8 yard skip vehicle per week

FM Compound/Gates

Vehicular sliding gate to be Heras Atlas 2:

- colour to be dark grey.
- height to be 2.4m
- opening width of 10.5m for vehicle access 6.6m wide:

Drawings (dimensions in mm)



*E = 500 mm (without rear safety edge); E = 150 mm (with rear safety edge)

Technical specifications

Width (A)	Tail width (B)	Back movement (C)	Total width (U)	Height (D)
14001-16000	6100	A-140	A+B+C+E+280	1000-2500
16001-18000	7100	A-140	A+B+C+E+280	1000-2500

Material	Frame: Steel Posts: Steel Beam: Steel
Colour (other colours available upon request)	RAL 6005 (moss green) RAL 7030 (stone grey) RAL 7016 (anthracite grey) RAL 9006 (white aluminium) RAL 9010 (pure white)
Finish	Epoxy primer 2K (60 microns DFT) + Top layer 2K (100 microns DFT)
Lock	Electrical (220/240 VAC, 50/60 Hz, max. 6 A)
Bearings	Triple sealed, heavy duty (marine grade lubricant)
Bottom beam profile (mm)	200 x 160 x 5 + 200 x 100 x 5 (A=14001-16000) 200 x 160 x 5 + 200 x 150 x 5 (A=16001-18000)
Post profile	140 x 140 mm
Drive (see separate drive datasheets)	Electric motor: 230 VAC, 400-800 W (speed 0.2 m/sec)

Certificates

- DoC (EN 13241; EN 12453; EN 12445; EN-IEC 60335-1;
EN-IEC 60335-2-103)
- DoP (EN 13241)
- Machine directives (2006/42/EC)
- Construction Products Regulation (305/2011)
- EMC directives (2014/30/EU)
- Wind class 2

Ordering information

Contact your local Heras office for precise ordering details.

Suggested accessories / products

- Safety cut-off mechanisms
- Cameras
- Flashing lights



Physical Samples available on request