

Installed to the existing walls using appropriate fixings in accordance with the manufacturer's guidance and site conditions. 01. Proposal Overview: The works comprise the design, fabrication, supply, and installation of: - A metal gate with an adjacent fixed panel, and - A set of double gates within existing openings providing access to the external courtyard The purpose of the installation is to: - Provide secure access to a bin storage area, and - Maintain a safe and compliant means of escape in accordance with relevant standards The proposal represents a minor alteration within existing openings, with no change to the building footprint, height, or overall form. 02. Design and Appearance: All elements shall be of a simple, robust, and functional design, appropriate for a service yard/courtyard setting. The construction shall comprise: - Mild steel box section perimeter frames	- Vertical steel bar infill to upper sections, allowing visibility and reducing visual impact - External-grade vertical cedar timber infill boards installed within the steel frame to provide durability, screening and resistance to impact from bins - Horizontal rails at top and mid-level to divide solid and open sections and improve rigidity Single Gate with Fixed Panel: - Formed as a coordinated assembly, aligned within the same opening - Designed for regular pedestrian access Set of Double Gates: - Comprising two equal leaves forming a central opening - Providing the full clear width required for operational and maintenance access - Incorporating a rebated meeting stile or overlap detail to improve security and alignment - Matching the design, materials and finish of the single gate and panel The overall appearance will remain simple and subordinate to the surrounding buildings. The use of timber infill to the lower sections provides a softer and less utilitarian appearance, while the open steel railings above reduce the visual mass of the gates. This treatment is considered appropriate to the courtyard setting and the context of the surrounding listed buildings.	03. Materials and Finishes: The structural frames, rails and associated metal components shall be fabricated from mild steel and finished as follows: - Hot-dip galvanised in accordance with BS EN ISO 1461 - Polyester powder coated in RAL 9005 Jet Black, matt finish - Lower sections to comprise external-grade vertical timber infill boards installed within the steel frames - Timber infill boards to have a clear or natural finish, subject to the selected timber species - The lower timber infill panels are designed to provide screening and withstand repeated impact from bins while maintaining long-term durability 04. Ironmongery and Operation: All gates shall be fitted with heavy-duty, external-grade ironmongery suitable for frequent use. Single Gate: - Heavy-duty steel hinges (welded or bolted) - Panic bar/push bar compliant with BS EN 1125 to the internal face, allowing single-action escape - External key-operated locking mechanism (where required) - Gate stop or buffer	Set of Double Gates: - Heavy-duty hinges - Primary locking bolts - Panic bar/push bar Second Gate: - Top and bottom locking bolts - Gate stop or buffer All ironmongery shall be fitted with the following: 05. Installation and Commissioning: - Installation of gates to be in accordance with the manufacturer's guidance - Fixing of gates to be in accordance with the manufacturer's guidance - All elements to be in accordance with the manufacturer's guidance - Final check of gates to be in accordance with the manufacturer's guidance
--	--	--	---

ates:

ges to both leaves

include:

ism (key-operated or latch)

compliant with BS EN 1125 where forming part of an escape route

to include:

shoot bolts/flush bolts to secure the leaf in position

optional hold-open devices

shall be corrosion-resistant and suitable for external conditions.

in existing structural openings between courtyard walls

plates, anchor bolts or chemical fixings appropriate to the existing substrate

be installed plumb, level and correctly aligned

its shall be carried out to ensure:

and safe operation

engagement of locks and bolts

ent clearances

06. Performance and Compliance

The installed works shall:

- Provide a secure enclosure
- Maintain a safe and compliant
- Be suitable for high-frequency
- Be resistant to corrosion, we

Where forming part of an escape route

- BS EN 1125 (panic exit device)

07. Impact on Building and Surroundings

- Located entirely within existing
- No impact on the scale, mass
- The combination of natural-f
- 9005 Jet Black steel railings a
- utilitarian appearance within th
- Minimal visual impact due to
- No adverse impact on neigh



description:

Proposed Metal Gates
Details



head office:
the old stone masons, 10 st johns st,
aberavenny, monmouthshire. np7 5rt
tel: 01873 851125 fax: 01873 851127

newport:
first floor, 5 gold tops,
newport, south wales. np20 4pg
tel: 01633 245020

e-mail: info@jdwarichitects.co.uk
w: www.jdwarichitects.co.uk

drawn:	scale:	
jw	AS	@A1
date:	sheet	of:
Feb 22	-	-

job dwg. no:

jw1077-670

rev:

A

Notes:

do not scale

Detailed drawings and larger scale drawings take precedence. Figured dimensions are to be taken from this drawing.

dimensions:

All building and site dimensions, levels and sewer invert levels at connection points are to be checked and verified on site by the contractor prior to the commencement of works. All dimensions are to be checked prior to the placement of orders for materials or the fabrication of work and any discrepancy, omission or error is to be reported to the Architect immediately for verification.

specification:

The contractor is to comply with current Building Regulation, British Standard Specifications, Building Regulations etc. whether or not specifically stated on this drawing. This drawing must be checked against the read in conjunction with any structural or other relevant specialist and design documentation provided.