



Atelier MB
Urban Architects

Planning Condition – Information to Support Discharge

Job: Paragon Mill: 1887

Planning Ref: 126171/LO/2020, 126170/FO/2020

- Refer to approval document for further details

FO condition 3 – PARTITIONS

Details TBC. Anticipated screw fixings into existing non-original blockwork walls.

FO condition 4...EXTERNAL PLANT TREATMENT



Example image of a vinyl wrap to external plant equipment.

“Further to our discussion earlier this week, and ahead of our formal submission of the discharge of condition 4 (6 for FO), please find attached details of the smallest plant enclosure possible. We have also shown by comparison the size of the equipment without this enclosure – using the vinyl wrap instead.

The plant enclosure is inevitably larger than the equipment, due to the air flow required around the equipment to enable it to operate.

If we were permitted to use the vinyl wrap instead, the plant itself would much less physically and visually intrusive on the Listed Building.

We consider the wrap a preferable solution, and would be grateful if you could reconsider this option.” Heloise Wood, AtMB email 18/03/21

“I have discussed the shroud with my group leader and the shroud looked the most appropriate option in this instance. Therefore, please proceed to discharge the condition.” Janine Renshaw Livesey , MCC, email 24/03/21



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FO condition 5...M&E FIXING

Wavin AS+

Installation and jointing

Wavin has designed its low-noise systems to reduce noise emissions in concealed and visible installations. However, to achieve a high level of soundproofing it is strongly recommended to follow the instructions given below.

Push-fit connections between pipes and fittings must be able to withstand thermal-related length changes of up to 10mm over a maximum length of 3m. Pipes should therefore be pulled out of the coupling by 10mm once the join is complete. Push-fit connectors used to join fittings to each other are not subject to changes in length, and can therefore be pushed fully home.

5.1. Connecting Wavin AS+ to fittings and pipes

Wavin AS+ connections are fitted as follows:

- ① Check the position and condition of the lip seal in the coupler channel. You may have to clean the fitting and lip seal.
- ② Clean the push-fit end of the pipe and/or fitting.
- ③ Push the end into the coupling so that it goes in fully.
- ④ Slide the pipe (not the fitting) back out of the push-fit coupling by 10mm

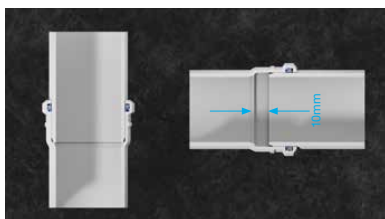


Figure 28: 10mm back outside.

When positioning pipes vertically, secure the individual lengths with brackets as soon as they have been fitted. This will prevent them slipping out of place and eliminate the 10mm dilatation space.

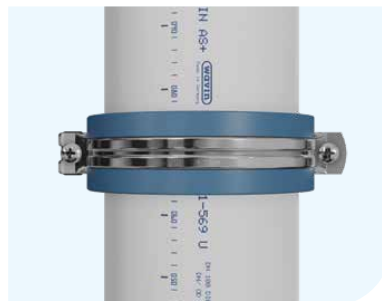
Cutting pipes to size

Pipes can be cut to size using standard pipe cutters. When cutting pipes to length, do so at an angle of 90° to their axis. Remove any burrs or unevenness from the cut ends and rub down sharp edges.



Fixing

In principle, Wavin AS+ soil and waste water pipe systems should be installed tension-free and able to withstand changes in length. The pipes should be secured with sound-absorbing brackets that are compatible with the external diameter of the pipes and completely surround the circumference of the pipes. We recommend the use of Wavin low noise brackets, designed for securing to the brickwork with screws and plastic wall plugs. Metal anchors may also be used, although these do not favour sound insulation.





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As per the existing situation, all new equipment and pipework will be fixed to the concrete soffit using stainless steel threaded screws onto painted galvanised steel brackets.



Typical fixing style.



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FO condition 6....EXTERNAL FIXING

Canopy

-We can confirm that the canopy will be screw fixed into the existing mortar joints of the brick façade.

CRL GLASS AWNINGS

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The use of eye and fork connections makes the installation of our Awning System quick and easy. The Connecting Rods are designed to make field adjustments on varying job conditions a snap. All components are 316 Alloy Stainless Steel for durability in even the harshest of environments.

For additional information, contact CRL Architectural and Ornamental Metals Technical Sales at (800) 421-6144 in the U.S., (877) 421-6144 from Canada, or (323) 588-1281 International. Ask for Ext. 7770. You can also e-mail us through our web site at crlaurence.com. From the home page click on Contact Us, and then click on Technical Sales.

SPECIFICATIONS:

Material: All 316 alloy stainless steel construction.

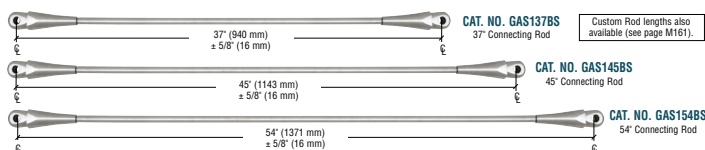
Typical Panel: 9/16" (14 mm) thick tempered laminated glass comprised of 1/4" (6 mm) tempered glass, .060" (1.5 mm) interlayer, and 1/4" (6 mm) tempered glass.

Glass Fabrication Required: Two 5/8" (16 mm), and two 1-1/16" (27 mm) diameter holes per panel.

Ordering Tip: Though sold individually, two Connecting Rods and two Mounting Kits are required for each panel.



NOTE: Glass Panel Not Included



CAT. NO. GAS137BS
37" Connecting Rod

Custom Rod lengths also available (see page M161).

CAT. NO. GAS145BS
45" Connecting Rod

CAT. NO. GAS154BS
54" Connecting Rod

- Brushed Stainless Finish



CAT. NO. GAS190BS
Mounting Kit



CAT. NO. GAS122BS

GLASS AWNING SYSTEM COMPONENTS

CAT. NO.	DESCRIPTION
GAS137BS	Rod for 36" (914 mm) Wide Panels*
GAS145BS	Rod for 42" (1067 mm) Wide Panels*
GAS154BS	Rod for 48" (1219 mm) Wide Panels*
GAS190BS	Mounting Kit Only for One Rod*
GAS122BS	Double Plate Pivot

*Minimum order: 1 each. *Two Rods and Two Mounting Kits required for each panel. Stainless Steel Mounting Screws not included.



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Gates

Extract from NBS:



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Gate Leaves

The gate leaves are constructed from a 60 x 40mm RHS perimeter frame with 25mm diameter tubes fitted vertically at 125mm centres. A mid-rail is supplied for strengthening purposes.

Top Track

Galvanised steel inverted channel section in which pulleys mounted on each leading edge run in and on.

Bottom Support

The gates are supported on floor bearings mounted at the side behind each jamb. Door Arrangements

The standard arrangement comprises two leaves each side folding at 90 degrees to the opening. Ironmongery

Handles are attached to each leading edge to allow manual operation in the event of power failure.

Finish

Galvanised as standard. Polyester powder coating to a range of standard RAL colours is available at extra cost.

Weight

Varies dependant on gate construction but typically 40 kgs per m2. Operation

Electrical operation is via two single phase motors mounted on the top of each pair of leaves with a common control panel and operating buttons. Disconnection to manual operation is provided in the event of power failure. Other controls are available at extra cost.

All fixings will be made into existing mortar joints in the masonry.

RAL colour 9004 (dark grey)



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Bolton Gate Company

MULTIFOLD GATES

DATA SHEET REFERENCE NO. 17-6

NOVEMBER 2019

Multifold Gates are the perfect solution to securing larger car park entrances whilst allowing the maximum ventilation necessary to allow exhaust fumes to escape.

The leaf design is available in a standard format or purpose-made to suit individual clients' requirements to interface with and complement external building cladding features.

The Multifold Gate particularly comes into its own when designers are faced with limited side-, head- or back-room which rule out rolling, overhead, hinged or sliding gates and the fact that the gates are sideways opening means that the leading edges are in constant view and therefore less prone to damage from vehicles passing through the opening.

The operation is simple and avoids the need for cables, springs etc., thus avoiding high maintenance after installation.

STANDARD SPECIFICATION

Gate Leaves

The gate leaves are available in various designs but typically comprise a 60 x 40mm RHS perimeter frame with 25mm diameter tubes or 25mm SHS uprights at 125mm centres. Higher gates have a mid-rail for strengthening purposes.

Tracks

The gate leaves are hung on four-wheel trolley bearing hangers which incorporate the panel hinges and run in a galvanised top track. An auxiliary top track is attached to allow the leaves to fold correctly.

Brass rollers connected to the bottom hinges run in a steel channel bottom track which is set for alignment within a 200 x 75mm chase before final grouting into position.

Gate Arrangements

The gates are normally face fixed to the inside of the opening but can be arranged to mount directly between jambs. They can be supplied as a single gate (bunching to one side) or bi-parting.

Operation

The gates are electrically operated as standard using a totally enclosed 3 phase motor gearbox mounted on the top track with open/close/stop push buttons adjacent to the opening at the slam side. Disconnection or emergency manual operation is provided at low level adjacent to the motor. Safety edges are fitted as standard to the leading edges.



MAXIMUM SIZES

Singles: 12 metres wide x 8 metres high
Pairs: 24 metres wide x 8 metres high

FINISH

The gates are galvanised as standard. Polyester powder coating in a wide range of RAL colours is an optional extra.

WEIGHT

Varies dependent on gate leaf design but typically 35 kgs per m2.

OPTIONS

- Wicket gates (in main gate or adjacent in a fixed section)
- Polyester powder coating in a range of standard colours
- Remote control
- Photocells
- Timer close
- Loop detectors



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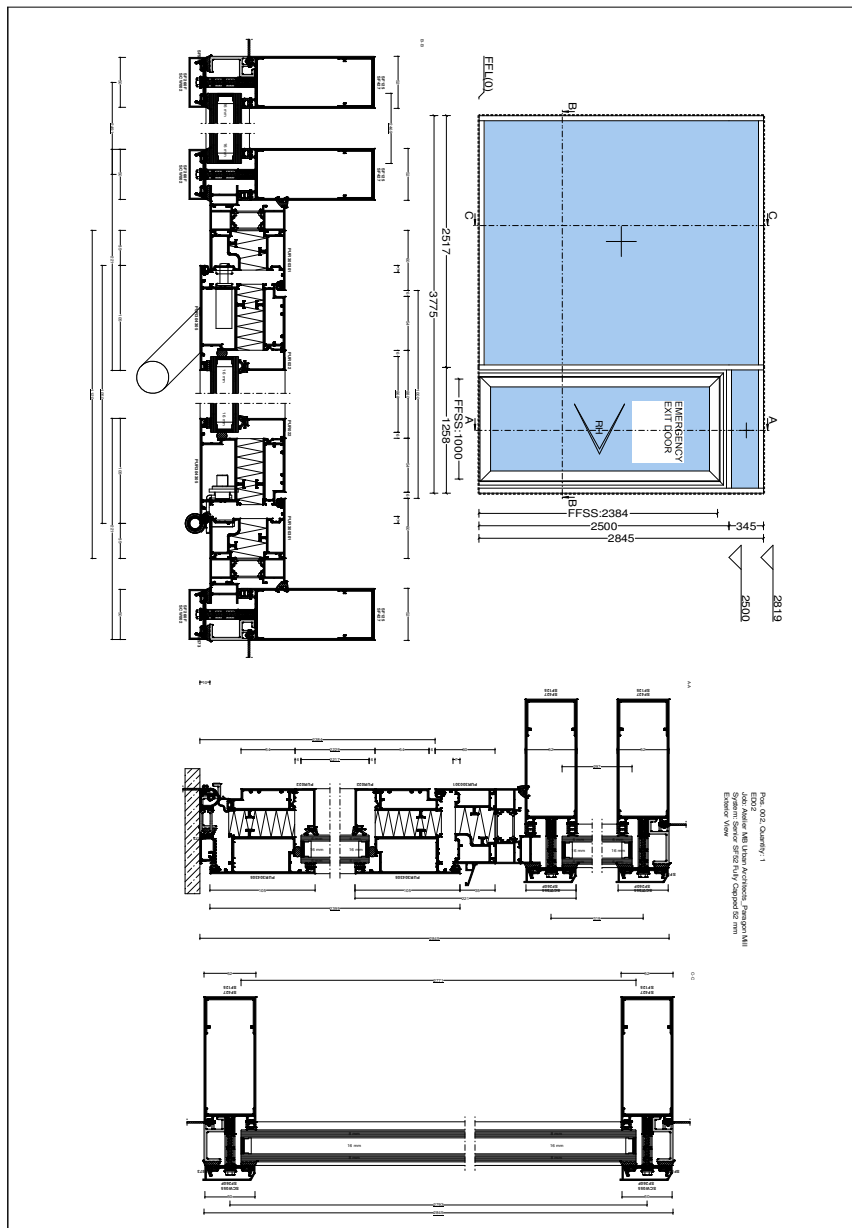
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Doors/Windows





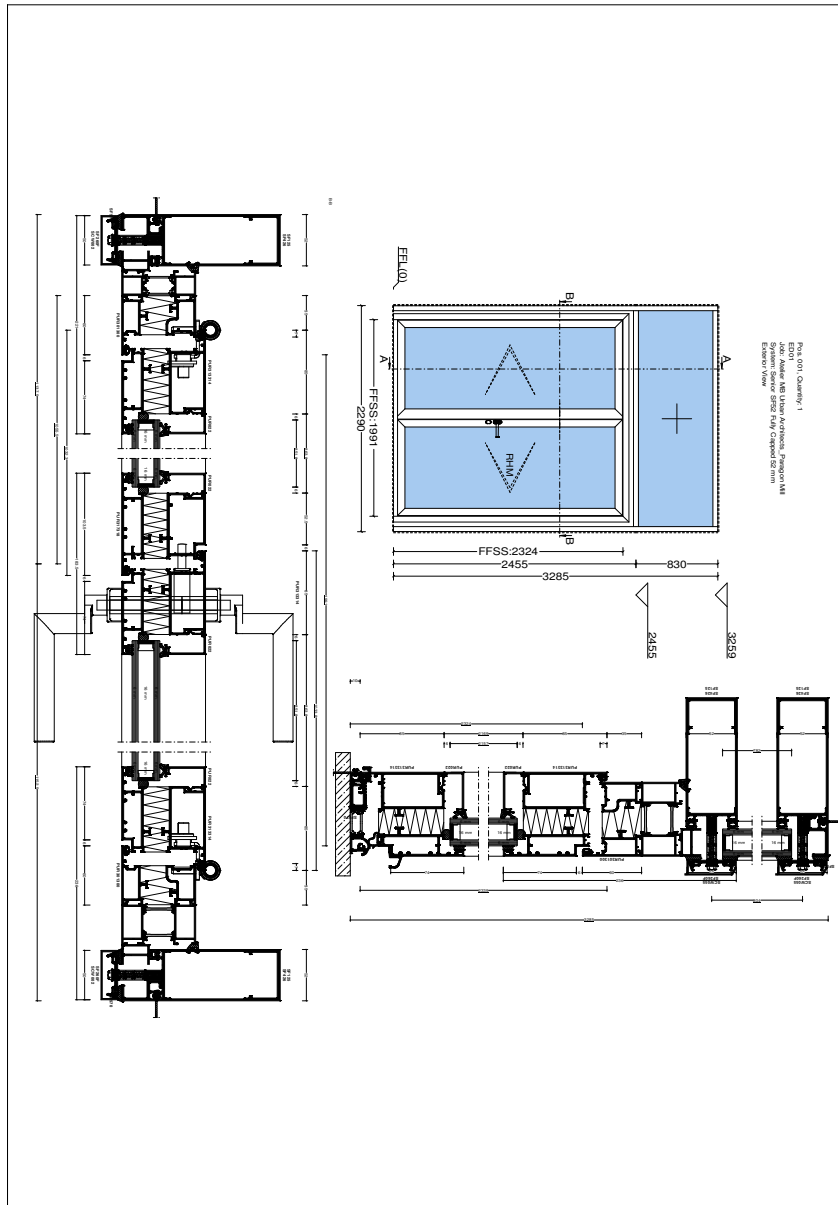
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Fixings back to the main substrate will be located within masonry reveals such that they are concealed once the door is fully installed. RAL 7016 (grey).



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LO condition 4....MATERIALS

See sample sheets.

LO condition 6....As FO 4 above.