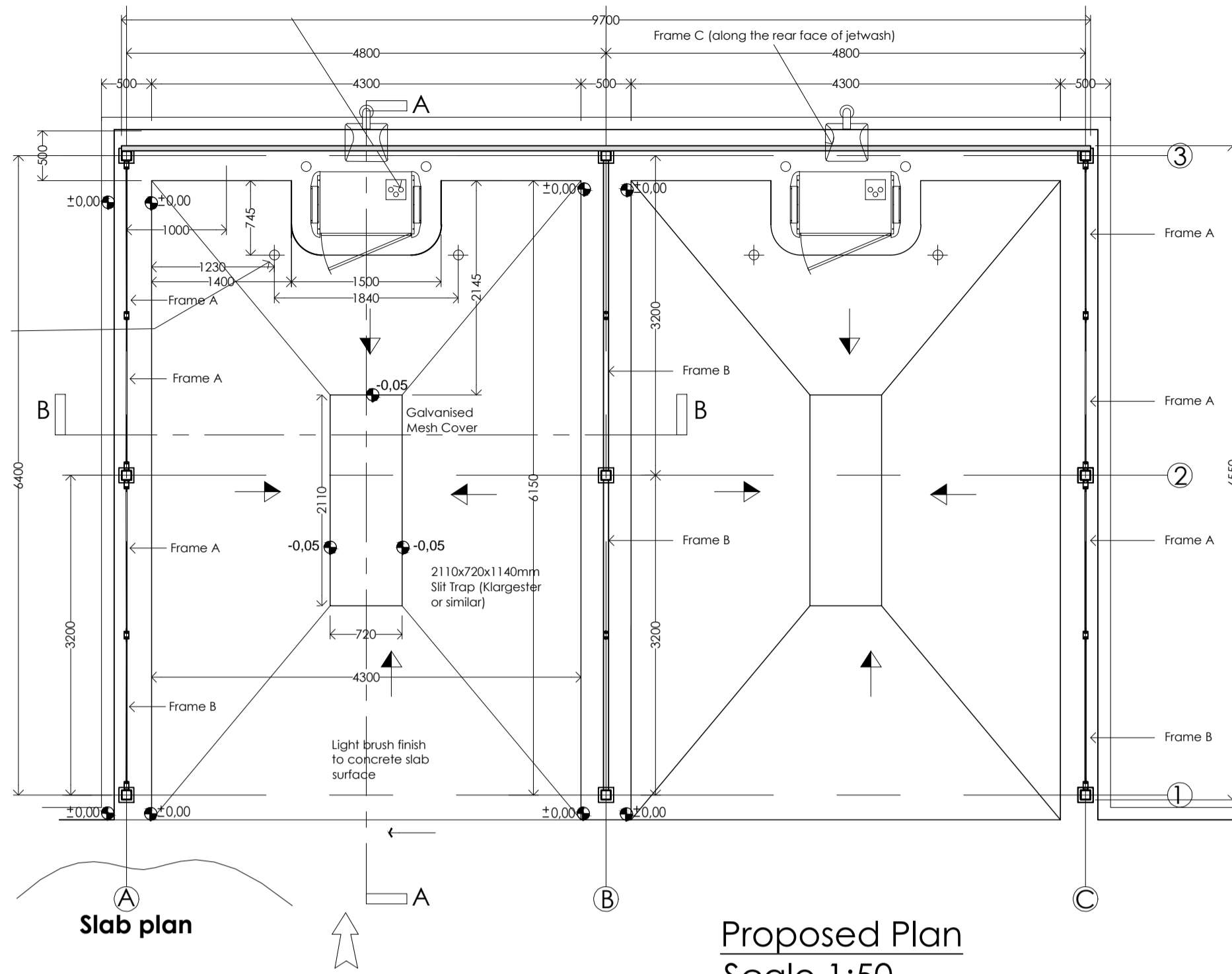
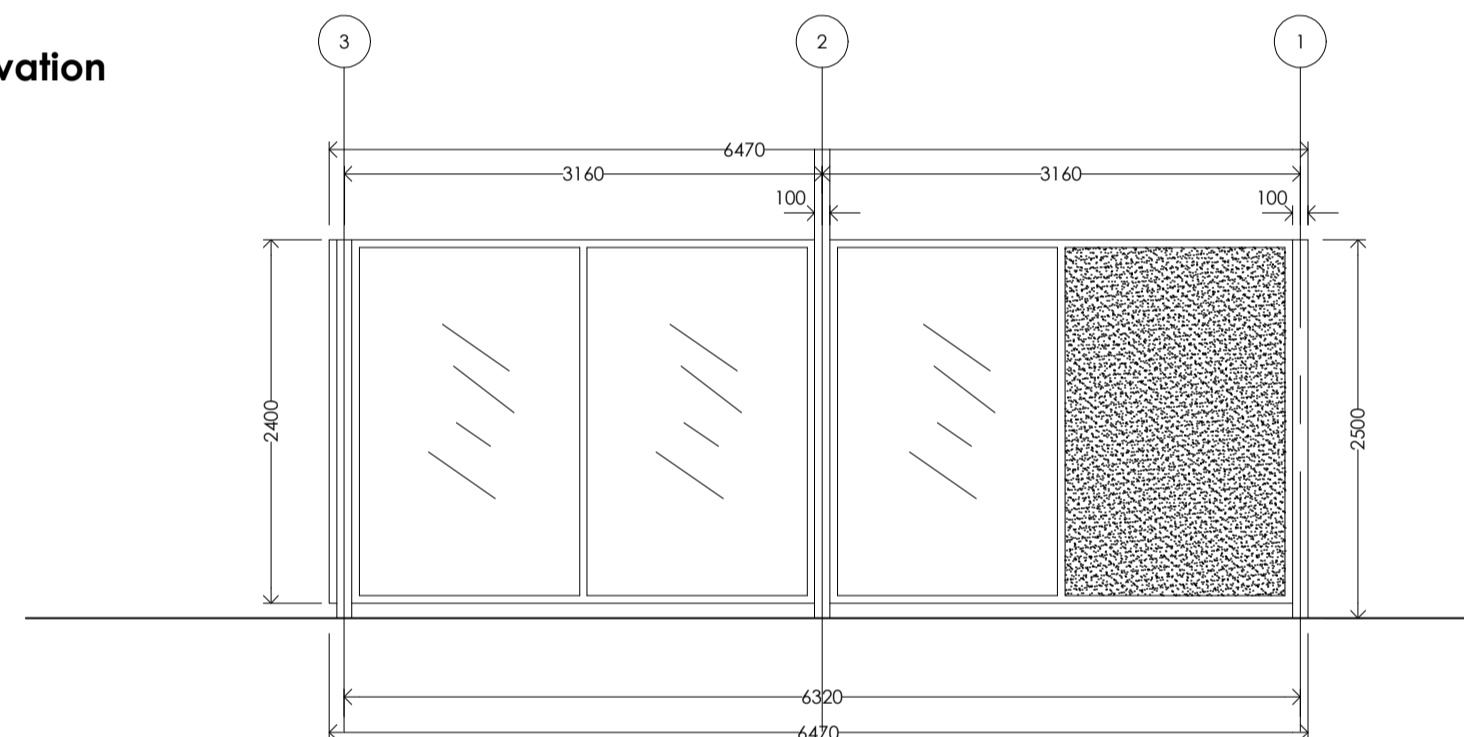


Indicative routes and locations for: 100dia. water duct with 1No. 32mm dia. MDPE water supply, and; 100mm dia. electrical duct for power supply cable. Refer to the specific utility layout plans for routing, etc.

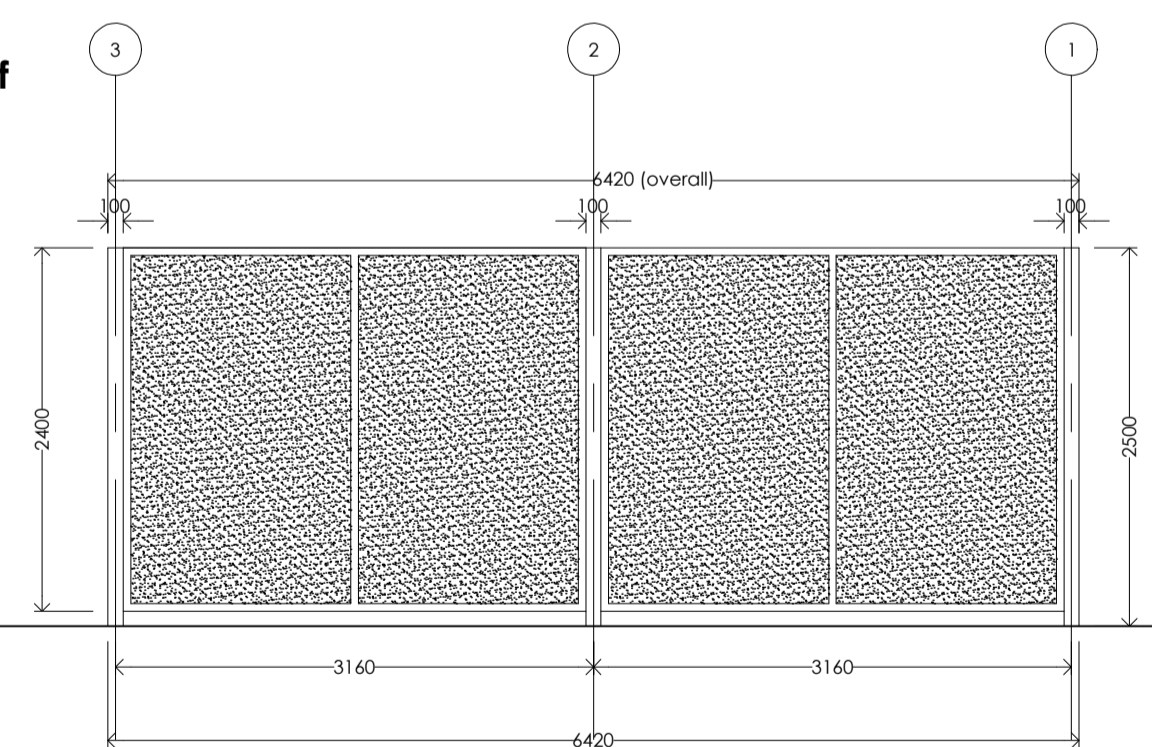


Proposed Plan
Scale 1:50

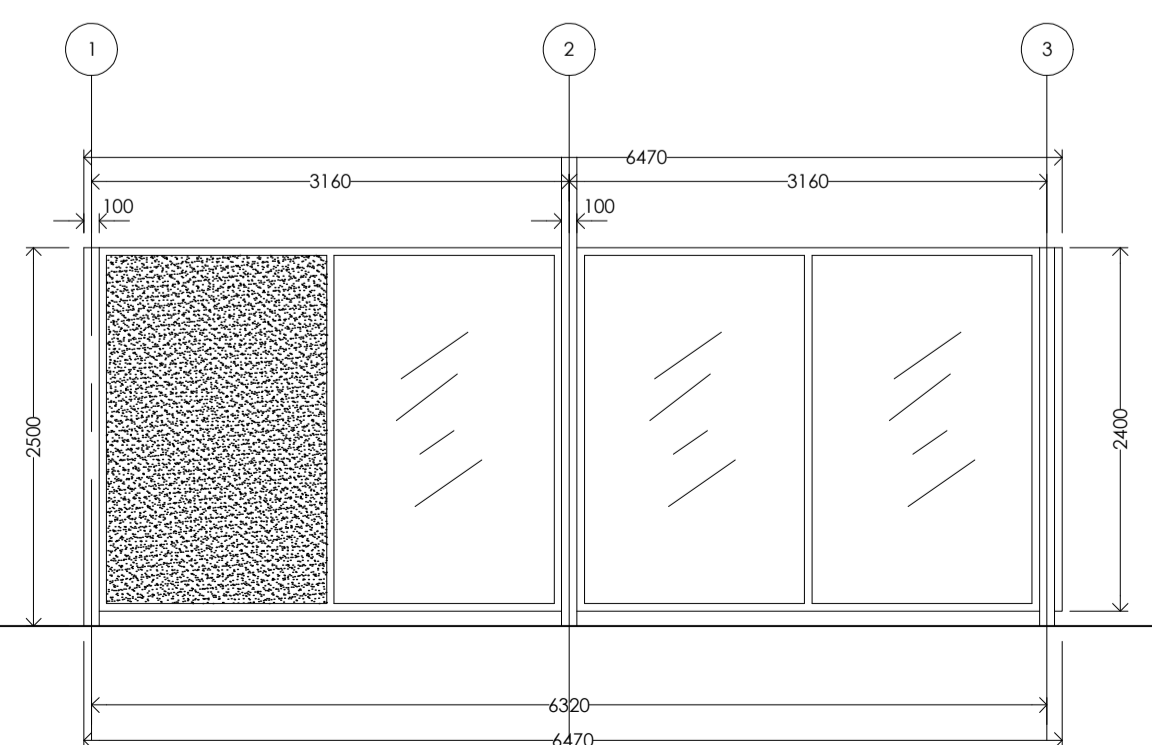
End elevation
(Grid A)



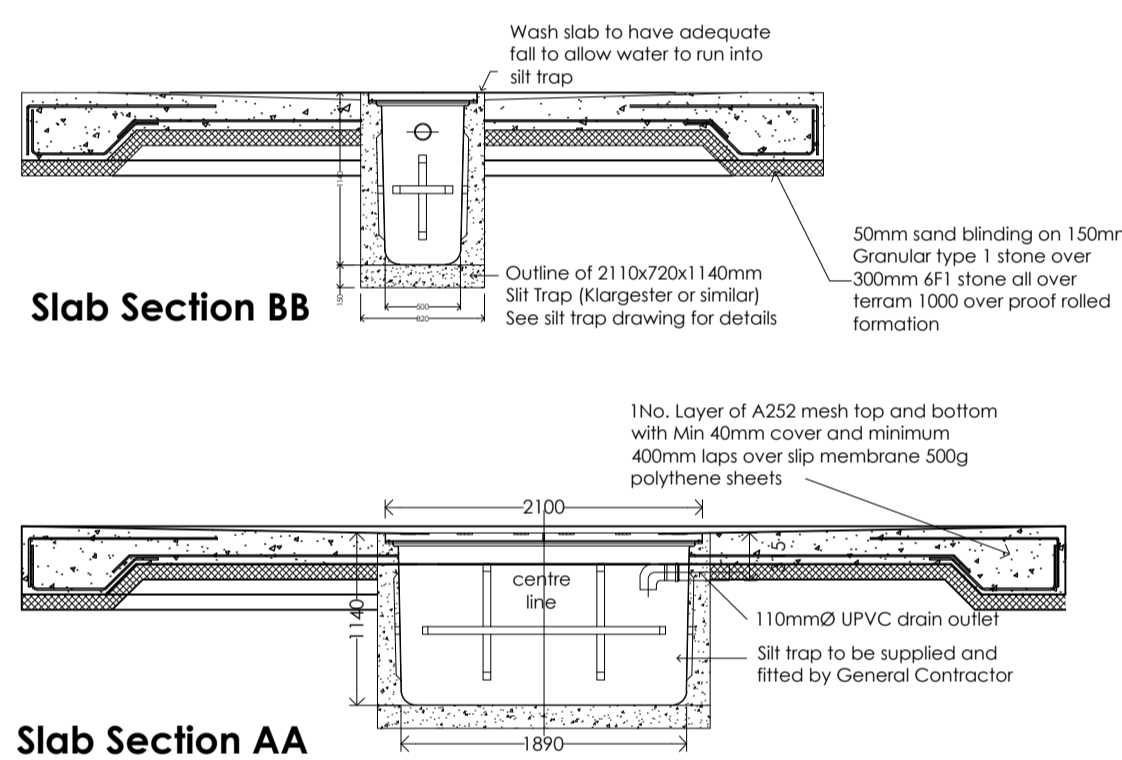
Internal elevation (of glazed screens)
(Grid B)



End elevation
(Grid C)

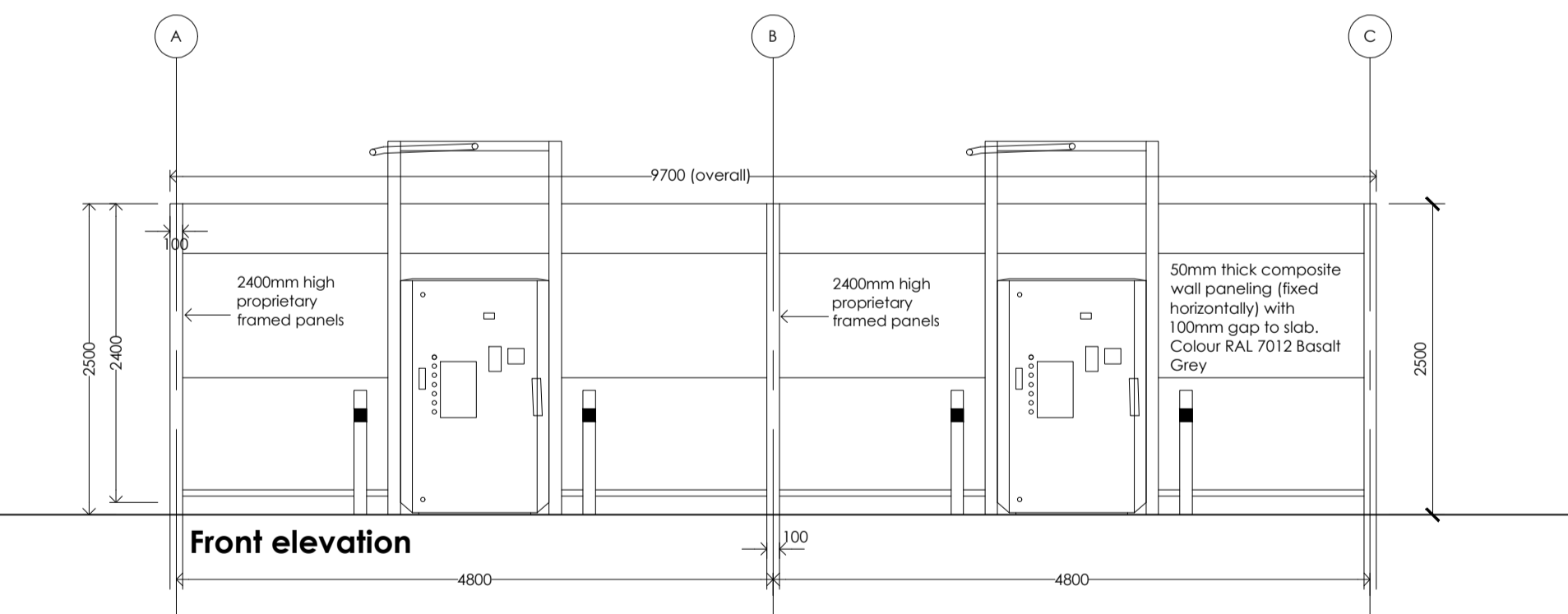


Proposed Elevations
Scale 1:50

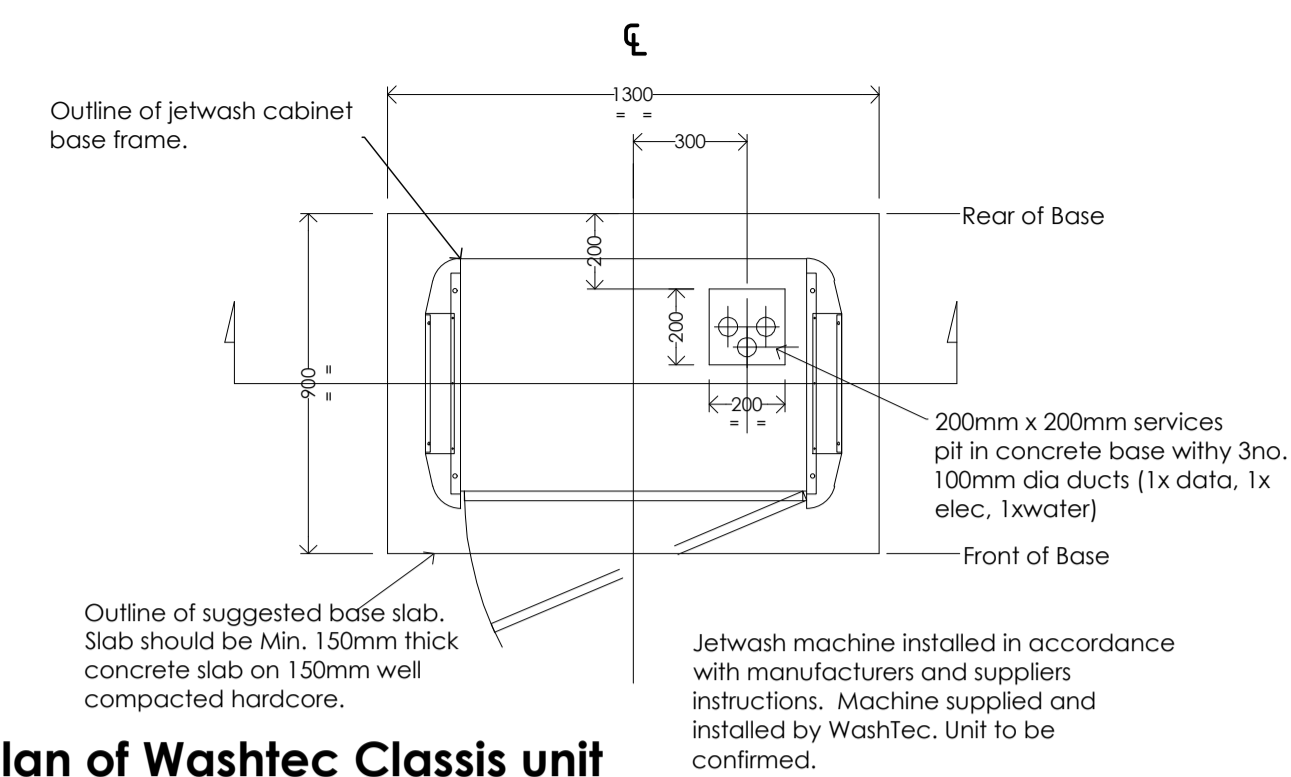
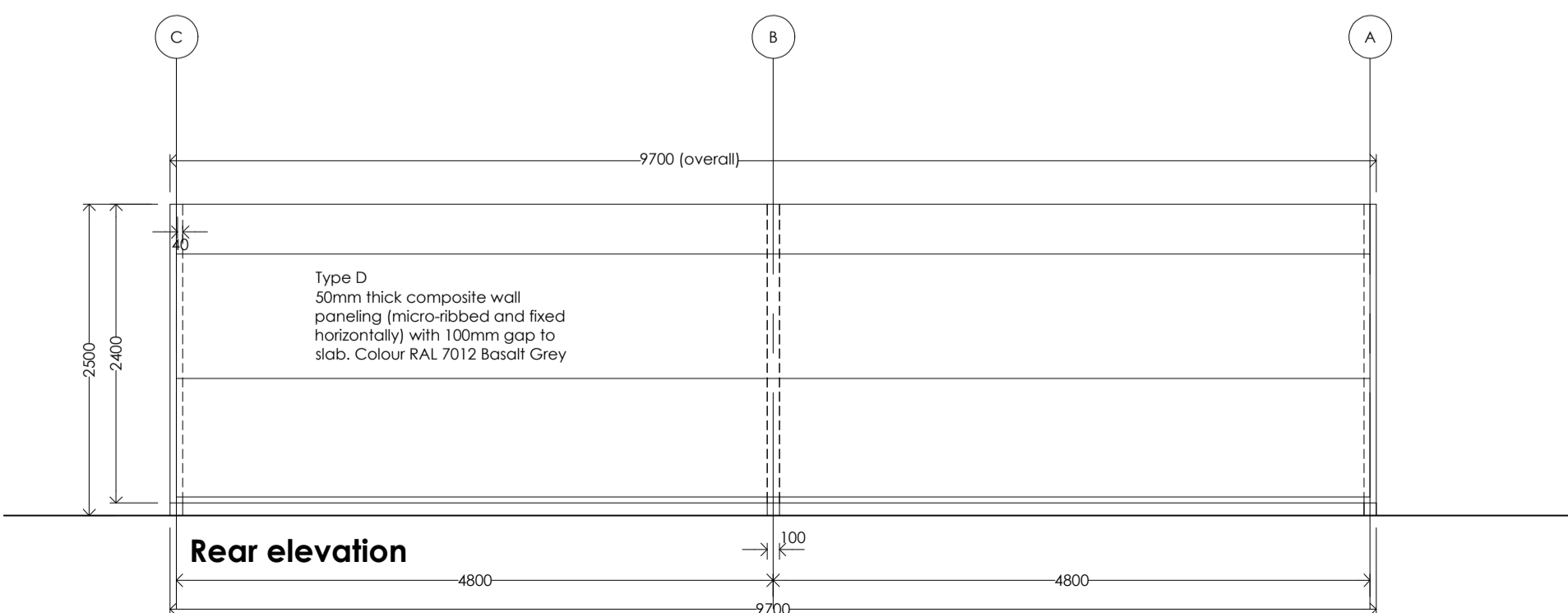


Proposed slab sections
Scale 1:50

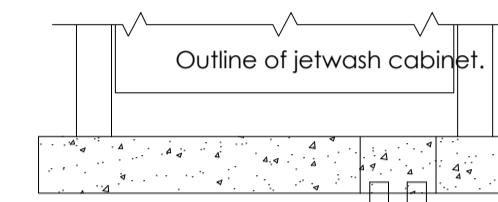
Front elevation



Rear elevation



Plan of Washtec Classis unit

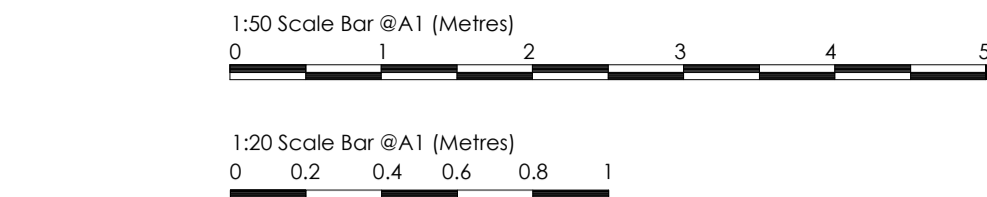


Section through base

Base details
Scale 1:20

WALL PANEL and FRAME TYPES

- FRAME A**
2400mm high proprietary glazing frame with glazed screen set 100mm above slab
- FRAME B**
2400mm high proprietary glazing frame with solid panel screen set 100mm above slab
- FRAME C**
Rear wall clad with full height 50mm thick cladding panels (fixed horizontally) with 100mm clear gap to slab. Panels to be micro-ribbed, colour RAL 7012 Basalt Grey



CONSTRUCTION OF JET WASH

JET WASH FOUNDATIONS.
To details and local authority requirements. C20 Mix to BS5328 minimum of 1000mm to base from ground level. 750 x 750 x 750 pads. Holding down bolts to be 16mm diameter by 450mm long. 125mm projection. 100 x 100 x 10 anchor washer plates. Grout base plates to be 1:2 cement sand, semi-dry mix, well worked into ball boxes and completely under base plates to fill all voids.

JET WASH SLAB.
40N/mm² mix - top 50mm, or full thickness if more practicable, to be air entrained. 150mm thick slab reinforcement to be 1 layer of 93 square mesh fabric, in top of slab (50mm cover), minimum side and end laps 300mm. Grout base plates to be 1:2 cement sand, semi-dry mix, well worked into ball boxes and completely under base plates to fill all voids.

Slab to incorporate proprietary GRP Silt Trap, 2110x720x140mm, with PW connection and galvanised heavy duty cover grating. See silt trap drawing for more details. Slab to be formed with falls to silt trap as shown. 2no. Level strips are to be formed for the wash screen column base plates & for the jetwash machine, to be bolted to slab.

STEEL FRAME.
Galvanised steel frame supplied and installed by specialist

GLAZING.
Supplied and installed by specialist

BELOW SLAB DUCTWORK.
Duct termination positions are fixed - actual routing of ducts dependent on site conditions

Allowance should be made where applicable for casting suitable PVC sleeves in concrete foundations for incoming utility ducts with polystyrene packing between ducts and sleeve.

Location of sleeves to be determined by specific site conditions.

PLUMBING.
Note: Jet wash specification dependent on MFG requirements- therefore main contractor to determine accurate position of service entries.

1. 25mm MDPE alkathene supply giving minimum 23 psi at 15 Litres / minute terminating in 1.0m tail of machine position.
2. The supply is to be terminated in a stop tap. The outlet side of the stop tap is to be terminated in 2"sp female.
3. A stop tap and a double check valve must be provided at the machine point.
4. All water supplies shall be run a minimum of 600mm below ground level in 100mm UPVC duct. Final water connection will be made by jet wash provider.
5. All water pipes for carwash system to be galvanised steel with BSP threads. Red Band for below ground. Blue band for internal pipes. Brown band for overflows. Joints to be made with hemp and Bos-Blue compound.
6. Pipes connected to mains water supplies shall be copper table X above ground. Copper table Y below ground (in PVC ducts).
7. All internal pipes shall be insulated with 25mm thick moulded Rockwool sections with aluminium covering.
8. All pipework to be provided with direction of flow arrows, and colour identification bands, to suit bylaws.
9. Compressor (if required) to be mounted on anti-vibration mounts in plant room.

ELECTRICAL REQUIREMENTS
All electrical works by site electrical contractor.

1. 20A three phase supply required.
2. All electrical equipment enclosures within the jetwash bay to be in accordance with classification IP55 of IEC standard 144.
3. 2 metres of cable protruding from duct to allow connection of machine.
4. Cable core size to be designed and determined by Client to allow for site conditions and distance of travel.
5. All electrics must pass through RCB mounted at the point from which the supply is taken.
6. MICC cables to have white plastic sheath and shrouds.
7. MICC and PVC SWA PVC cables to be terminated with glands as appropriate.
8. MICC cables terminating at motors and other equipment subject to vibration shall have an anti-vibration coil formed before the gland.
9. Earthing pig-tail type MICC pot seals shall be fitted appropriate to the equipment to which they are connected.
10. Suppression, as recommended by the cable manufacturer, shall be fitted to all MICCV cables feeding inductive circuits.
11. Where several MICCV cables share the same common route they shall be fixed by multi-way saddles, coloured white. All cables shall be dressed straight and symmetrical.
12. Conduits shall be white, high impact plastic, and all joints shall be cemented with the manufacturers recommended adhesive. Conduit connections to trunking and other equipment, shall be made by means of flanged couplings with male bushes.
13. All metalwork within the jetwash enclosure and plant room, including pipes, plant, pumps, control panels and any extraneous items, shall be solidly bonded together and to the T.E. earth bar within the Distributor/Control panel in accordance with the 17th Edition of the I.E.E. Wiring Regulations, all bonding points shall be visible.
14. Segregation between Medium and Low voltage cables shall be observed throughout the installation, particularly in cable trunking.
15. Suitable identification labels shall be fixed at intervals along Low voltage cable routes.
16. All dimensions and locations to be checked on site by the appropriate sub-contractor before manufacture or installation of equipment.
17. Bulk head lights to be Harvey Hubble 80w, MBFU 'Terminator'.

SAMPLE POINT
Allow for constructing sample pit on Foul Water run from silt trap outfall if requested by Project Manager. Proprietary GRP chamber. 450x450x600mm solid base chamber with a (BLACK) flat sealed composite cover & aluminium frame FL450, with 100mm dia pipe inlet & outlet, set at different levels. See sample pit chamber drawing for more details.

rev	date	by	description
~	03/11/20	DB	Drawing created.

CLIENT
SGN Limited
3 C Twyford Court, High Street
Dunmow, CM6 1AE

PROJECT LOCATION
Blairadam Forrest Services
Kelty, Fife (B914)
Scotland KY4 0JR

DRAWING
Jetwash Bays
Plans & Elevations

Wyeth
Projects Services
The Cart Shed, Amberley Court,
Amberley Lane, Millford, Surrey,
GU8 5EB, United Kingdom
Tel: +44 (0)1483 424704
Email: enquires@wyethprojects.com
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Date: November 2020	Draw By: DB	A1 original size
Scale: 1:50/1:20	Dwg No: WPS-SGN-002/P-11	
	Rev: ~	