



Drainage Notes:

- On commencement of work all existing manholes to be lifted. Existing drain runs are to be removed and replaced with new 150mm dia. uPVC drain runs to be internally resurfaced to keep existing runs the during construction works.
- All redundant manholes and drain runs to be gibbed up and dead pipe runs permanently sealed with concrete.
- All new drains to be installed in accordance with the use of existing connections to underground drainage where possible. Refer to M&E Consultant information for all details on below ground drainage.
- Existing the runs which need to be permanently maintained have are to be checked and repaired where necessary.
- Particular care is to be taken when installing for any new drainage runs. The Contractor is to establish the exact location and level of the existing foul sewer pipe running within the building.
- All existing surface water and foul downpipes are to be replaced for new cast iron pipes are to be in uPVC.
- All downpipes (both RWPs & SVPs) are to be provided with an inline screw capped flooding access point 150mm above the finished floor level. clad pipes with 12mm plywood board on 50 x 50mm sw timber cecasing. Provide an access panel into the ceiling.
- All toilet pans/drains draining into lightwell 3 & 4, unless else was indicated, are to be replaced with new 150mm dia. uPVC drain runs to be internally resurfaced to keep existing runs the during construction works.
- The Contractor is to probe the works to replace existing SVPs & toilets throughout the site are to be formed to match the original detail.
- At no point throughout the works should any one floor be without one of the two localised either adjacent lightwell 3 or 4 in operational use.
- SVPs and RWPs to be taken up through the building and diverted to terminate in the existing foul sewer system.
- Flashing to be provided at the point of roof penetration.

Upper walls (any walls above finished ceiling level) in bridge room 001 to both new wall runs to be lined with Gypcrete. Unreinforced concrete walls shall be replaced with 12.5mm Gypcrete. Wallboard TEN plasterboard with a density of 10kg/m³ and skim coat ready to receive point finish. Contractor to trim new timber ceiling detail to bridge room 001.

To prevent summertime over heating and risk of condensation to u/s of glass powder concrete blockwork shall be installed in the upper section perimeter wall (both lightwells) to promote better air flow across the glass. Where possible new gillies are to be installed within reduced openings of former windows to be blocked up. This shall be done in accordance with the use of existing connections to underground drainage. The Contractor is to consider the use of an additional Vent Axia system or similar to the Mechanical Engineers specification. Exact number position and size of gillies is to be determined on site with the Mechanical Engineer and Architect in attendance. The Mechanical Engineers details is to take precedent in all instances.

Existing exhaust duct currently discharging within both lightwells are to be broken out and blocked up using 100mm thick dense concrete blocks. The existing duct is to be upstand. Refer to the M & E Consultants information for full detail.

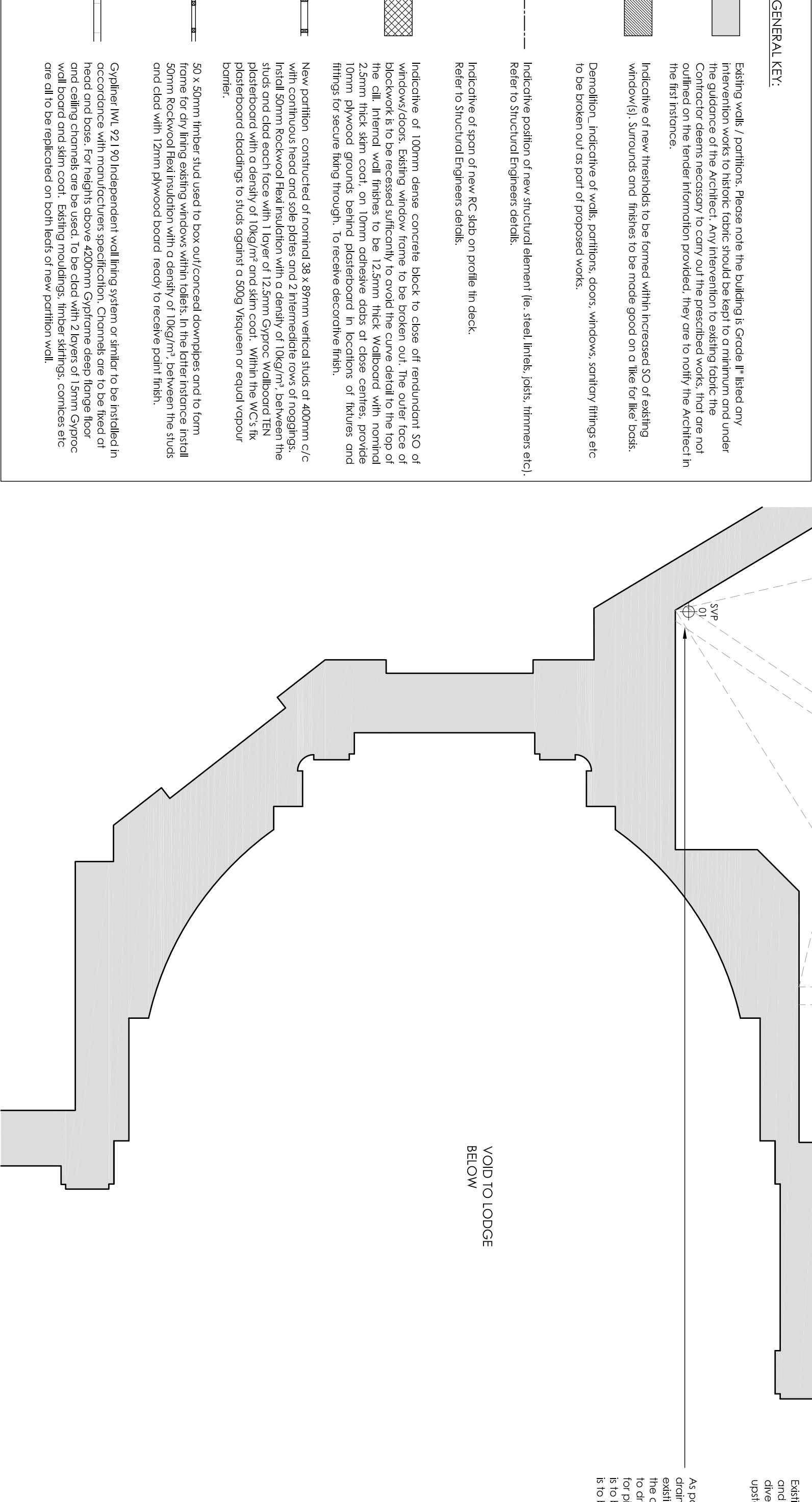
- Existing work / partitions, Please note the building is Grade II listed any alterations to the building must be in accordance with the listed building consent. The Contractor deems necessary to carry out the prescribed works, that are not outlined on the tender information provided, they are to notify the Architect in the first instance.
- Indicative of new thresholds to be formed within increased SO of existing window(s). Surrounds and finishes to be made good on a like for like basis.
- Demolition, Indicative of walls, partitions, doors, windows, sanitary fittings etc to be broken out as part of proposed works.

- Indicative position of new structural element (ie. steel lintels, joists, timbers etc). Refer to Structural Engineers detail.
- Indicative of span of new RC slab on profile in deck. Refer to Structural Engineers detail.

- Indicative of 100mm dense concrete block to chase off redundant SO of windows/doors. Existing window frame to be broken out. The outer face of blockwork is to be recessed sufficiently to avoid the curve detail to the top of the wall. Internal wall finishes to be 12.5mm thick wallboard with nominal 10mm plywood grounds behind plasterboard in locations of fixtures and fittings for secure fitting through. To receive decorative finish.

- New partition constructed of nominal 38 x 80mm vertical studs at 400mm c/c. Install 50mm Rockwood flex insulation with a density of 10kg/m³ between the studs and clad each face with 1 layer of 12.5mm Gypcrete. Wallboard TEN plasterboard with a density of 10kg/m³ and skim coat. Within the WC's fix plasterboard claddings to studs against a 50kg Vapour or equal vapour barrier.
- 50 x 50mm timber stud used to box out/conceal downpipes and to form frame for dry lining existing windows within lightwells. In the entranceance install and clad with 12mm plywood board ready to receive point finish.

- Gypcrete MW 12120 independent walling system is similar to be installed in head and base, for heights above 400mm Gypcrete deep linear box and ceiling channels can be used. To be clad with 2 layers of 15mm Gypcrete wall board and skim coat. Existing mouldings, timber skirtings, cornices etc are all to be replaced on both levels of new partition wall.



Existing fire door and frame are to be carefully broken out and the structural opening blocked up using 100mm dense concrete blocks. Door to be repositioned within the wall to avoid new horizontal pipework. Existing door and frame is to be reused. Lintel above to Structural Engineers detail.

Existing PWC from upper roof level is to be diverted from lightwell and is to be connected into new RWP 01. All existing pipework is to be replaced for new, RWG of upper roof level is to be adapted to accommodate 150mm Ø CI pipe.

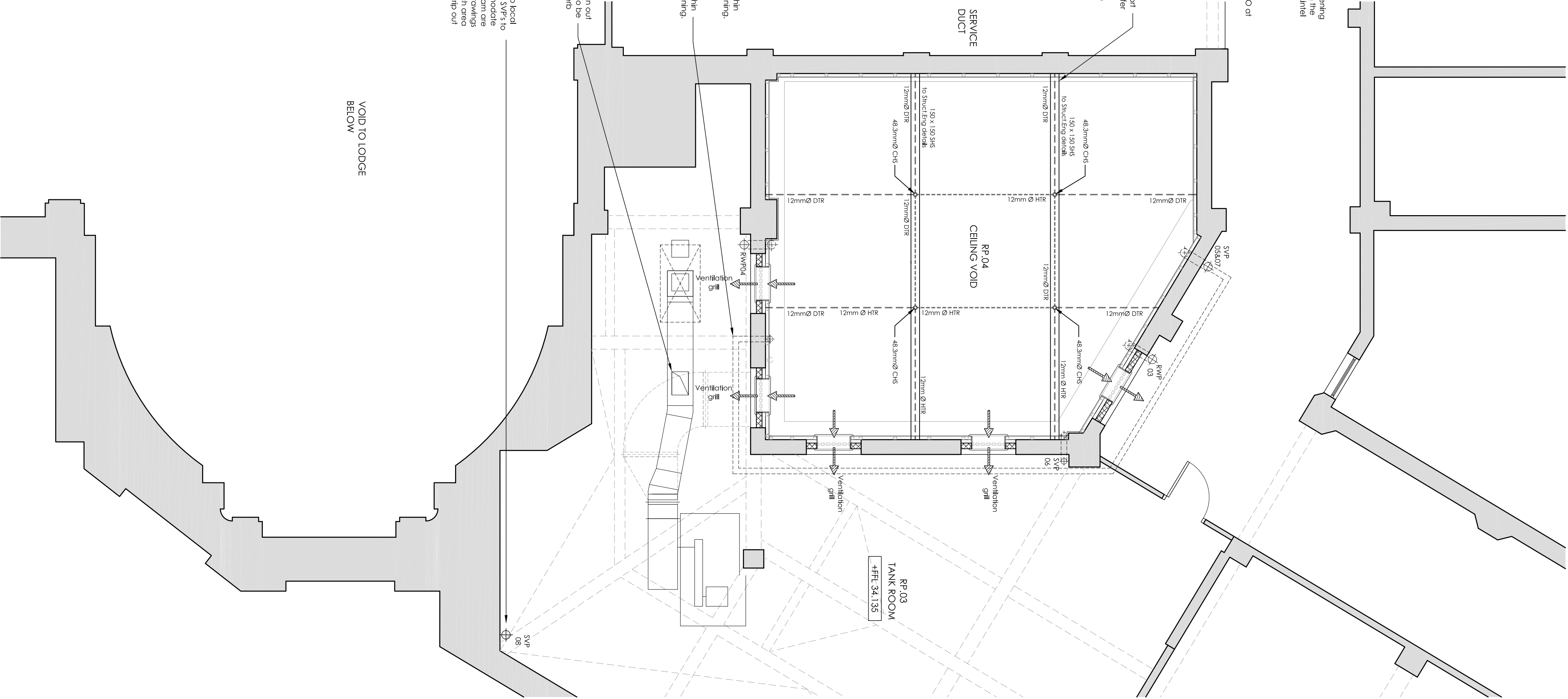
The layout shown is indicative of primary & secondary structural layout to support frameless glazed roof canopy above (also see drawings WD 020, 021 & 022). Refer to Structural Engineers information for full specification. Engineers drawings are to be used in conjunction with the use of existing connections to underground drainage. The Contractor is to consider the use of an additional Vent Axia system or similar to the Mechanical Engineers specification. Exact number position and size of gillies is to be determined on site with the Mechanical Engineer and Architect in attendance. The Mechanical Engineers details is to take precedent in all instances.

SVF 02 to connect into vent stock SVF 04 via horizontal pipework at low level within tank room. Any vertical pipework within lightwell is to be concealed within wall lining.

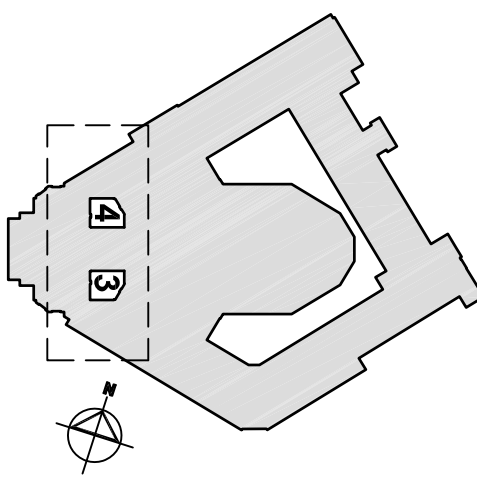
SVF 05 to connect into vent stock SVF 07 via horizontal pipework at low level within tank room. Any vertical pipework within lightwell is to be concealed within wall lining.

Existing exhaust duct currently discharging within both lightwells are to be broken out and blocked up using 100mm thick dense concrete blocks. The existing duct is to be upstand. Refer to the M & E Consultants information for full detail.

As part of enabling works for later phases, new SVPs are to be installed to pick up local drainage from adjacent columns / joints at each level. Connection of the new SVPs to existing drainage runs are to be done at a later date. SVPs will have to accommodate the change in external wall location between levels. The client's maintenance team are to be responsible for the installation and maintenance of the SVPs. The Contractor is to provide the SVPs. Exact setting out and extent of site out/roading good works to each area is to be determined on site by the design team in conjunction with Contractor. Site out is to be kept to the minimum necessary to facilitate the new SVPs.



- General Notes:
- All drawings are the copyright of MRDA and cannot be reproduced without approval.
 - The drawing must not be scaled by electronic means as not to be altered without the consent of MRDA.
 - Dimensions/level accuracy only applies to the drawing information issued by MRDA to be cross referenced where necessary with Contractors information.
 - If it doesn't call.



General Notes:

- All drawings are to be read in conjunction with Structural and M&E Engineers information.
- All dimensions given are between blockwork.
- All new and existing finishes (unless otherwise indicated) are to be made good on a like for like basis with surrounding fabric. decorative works, make an allowance for the setting out and profile of the structural slab refer to the Structural Engineers detail.
- Structural slab level (+s1) to be set typically 50-60mm below existing floor finish at each level.
- The Contractor is responsible for checking all dimensions and levels on site prior to commencement. Any discrepancies to be confirmed with the Architect. If in doubt ask before proceeding.
- It is the Contractor's responsibility to ensure adequate protection is provided to all of the works.
- All work installations to relevant British standards and codes of practice.
- Contractor is to make allowance for integrating new areas into buildings current Building Control Inspector / Fire Officer regarding requirements.
- Between 60 & 90 minutes fire protection is to be provided to the structural slab level (+s1) above ground. Refer to the Building Regulation Consultants information. Any rules made in the structural slab for services are to receive the column & beam element prior to disposal. That they do not with to retain any redundant windows, fixtures and fittings etc.

CONSTRUCTION

Job No.	1510.01	Date.	06.12
Dwg No.	WD.007	Rev.	C1
Scale.	1:50 @ A1	Drawn by.	CB
		Checked by.	RD

Client / Organisation.
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