

KEY

- Existing floors to be retained
- Existing floors to be strengthened / repaired by augmenting existing or adding new elements.
- Proposed new or replacement floors
- Existing beams / lintels
- New beams
- One way spanning
- Two way spanning
- ## Beams located within joist zone

MEMBER SCHEDULE

S1	FLOORS 150mm thk insitu RC slab (1xA393 mesh) on 150mm MOT Type 1 sub-base	FP1 600W x 600L x 300D mass concrete pad foundation
S2	New 200x50 (C24) Timber joists @ 400mm C/C topped with 1No. layer of 18mm hardwood plywood	FP2 400W x 400L x 300D mass concrete pad foundation
S3	200mm thk limecrete slab on assumed 150mm thk insulation (to architect's specification)	L1 100W x 215D precast concrete lintel (Naylor Hi-spec or similar approved)
A	Existing timber joists to be retained and reused where required. Allow for replacing 25% of joists like for like over full area. Assume 200x50mm joists @ 400 C/C	L2 100W x 140D precast concrete lintel (Naylor Hi-spec or similar approved)
B	Double up existing joists by adding new 50Wx200D joists in existing spaces between joists. Existing timber joists to be retained and reused where required. Allow for replacing 25% of joists like for like over the full areas. Assume 200x50mm joists @ 400 C/C	P1 215W x 440L x 215D precast concrete padstone (Naylor or similar approved)
EB1	BEAMS Existing 305x165x??UB	WP 50W x 200D timber wall plate (C24) fixed to face of masonry with M16 Hilti HLC Stud Anchors @ 300 mm C/C (Or similar approved)
B1	203x133x25UB (S355)	
B2	152x152x37UC (S355)	
B3	203x133x30UB (S355)	
B4	100Wx200D timber beam (C24) comprised of 2No. 50Wx200D sections bolted together with M12 bolts at 400mm C/C (horizontally)	
B5	150Wx200D timber beam (C24) comprised of 3No. 50Wx200D sections bolted together with M16 bolts at 400mm C/C (horizontally)	
C1	100x100x5.0 SHS (S355)	
C2	150Wx200D timber column (C24) comprised of 3No. 50Wx200D sections bolted together with M16 bolts at 400mm C/C (vertically)	
C3	100x100 timber balustrade post (C24)	
W1	WALLS 140mm thk Dense Blockwork Wall	

Install rodding eye onto existing clay pipe to permit access for maintenance. Rodding eye point at surface to architects details and specifications.

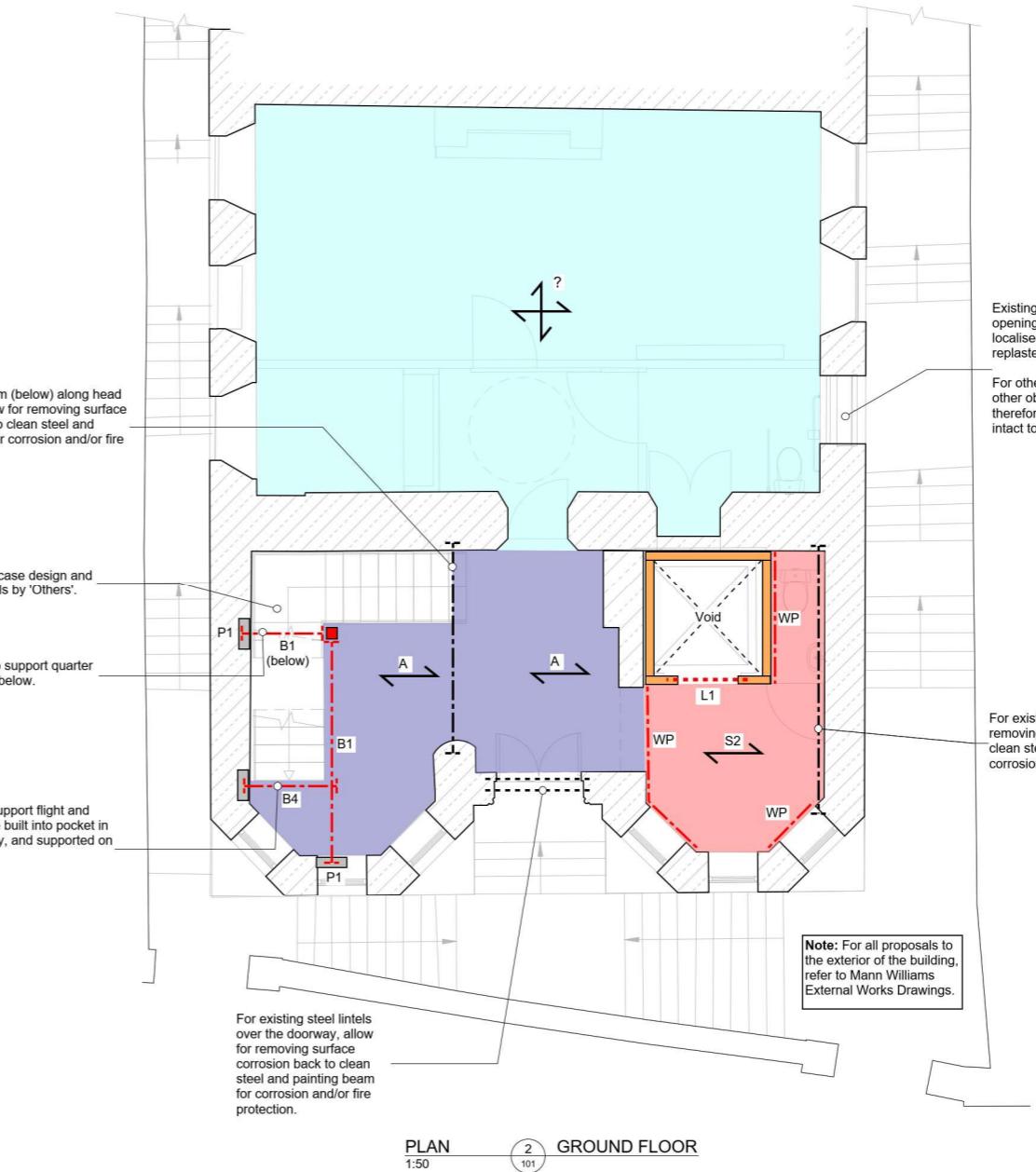
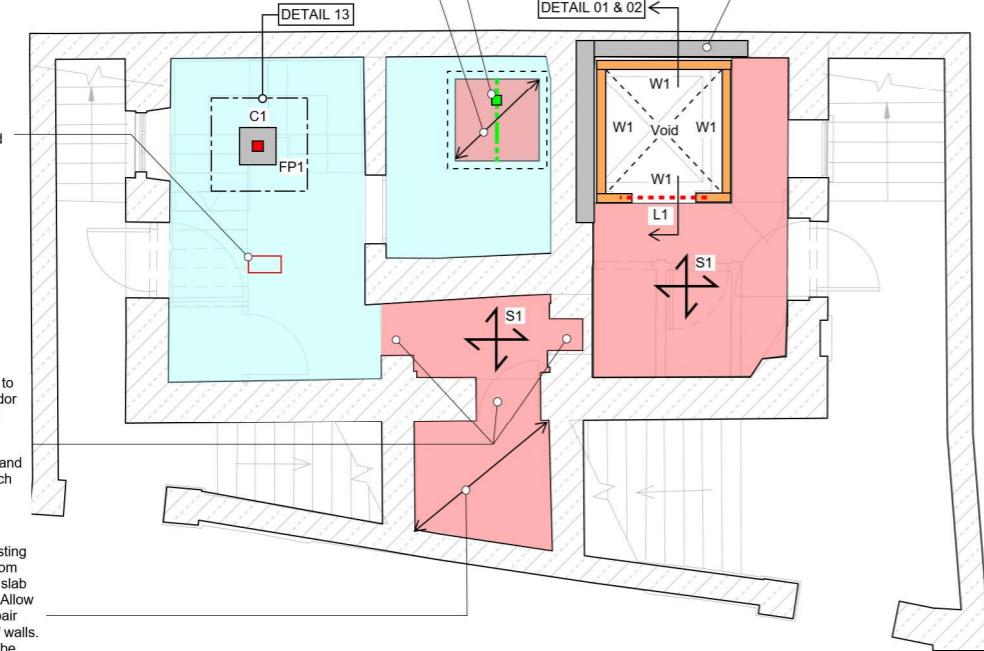
Surround existing pipe in 'TYPE A' granular material to achieve 150mm cover on all sides then backfill the chamber with hardcore ground to dust at the underside of the proposed sub-base. Construct a new 150mm thk insitu RC slab dowelled into existing slab with 400mm long x M10 threaded rods @ 400mm C/C. Slab to be underlaid with 150mm MOT Type 1 sub-base.

Allow for removing existing blockwork column as part of alterations to floors and stairs over. New beam to be provided over to support stair partitions and floor joists.

Existing doorway to be raised to allow circulation through corridor beneath main steps. Allow for temporarily propping existing masonry and stone slab over, removing blockwork columns and installing 4No. L2 lintels at each doorway.

Allow for clearing out existing rubble within this room from outside once the landing slab over has been removed. Allow for localised masonry repair works to internal faces of walls. Extent of repair works to be confirmed upon clearance of room.

PLAN 1:50 101 LOWER GROUND FLOOR



NOTES

- This drawing is copyright and may not be reproduced without the permission of Mann Williams.
- All drawings are to be read in conjunction with the project specification with all works carried out in accordance with the latest British Standards and codes of practice.
- Any anomalies or discrepancies between this drawing and any other information given elsewhere must be reported to Mann Williams for clarification before work proceeds.
- All dimensions to be checked on site and any discrepancies reported to the engineer before work commences.
- Only figured or calculated dimensions should be used and no drawing, in any format should be scaled.

CDM RESIDUAL STRUCTURAL AND ENVIRONMENTAL RISKS
1. Risk of undermining existing wall footings during excavations for lift pit.
In accordance with the Contractors (Design & Management) Regulations 2015, Mann Williams has undertaken a design risk assessment for the elements of work shown on this drawing, residual risks are identified above.
Note: For all proposals to the exterior of the building, refer to Mann Williams External Works Drawings.

REV DESCRIPTION BY DATE

P1 PRELIMINARY JB 28.02.24

P-PRELIMINARY T-TENDER CONSTRUCTION

PROJECT MERTHYR TYDFIL SYNAGOGUE

TITLE PROPOSED LOWER GROUND & GROUND FLOOR GENERAL ARRANGEMENT

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DRAWN CHKD SIZE SCALE DATE

JB PR A1 1:50 27.02.2024

STATUS

PRELIMINARY

PROJECT 9684 DRAWING 101 REV P1