

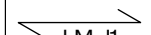
date: 16th July 2024

job no: 1920

project: M&W Manchester

Key

 = Indicates extent of raised slab, replacing the existing slab at the lower level.

Ref	Structure Key
 Ex.LM.S1	Existing 180thk. reinforced concrete slab
 LM.J1	50 wide by 150 deep C16 grade timber joists at 600 horizontal centres

Beam Schedule		
Ref	Size	Grade
Ex.LM.B2	590w by 300dp concrete beam	-
LM.B1	203 x 203 x 46 UC	S275
LM.B2	203 x 203 x 52 UC	S275
LM.B3	254 x 254 x 73 UC	S275

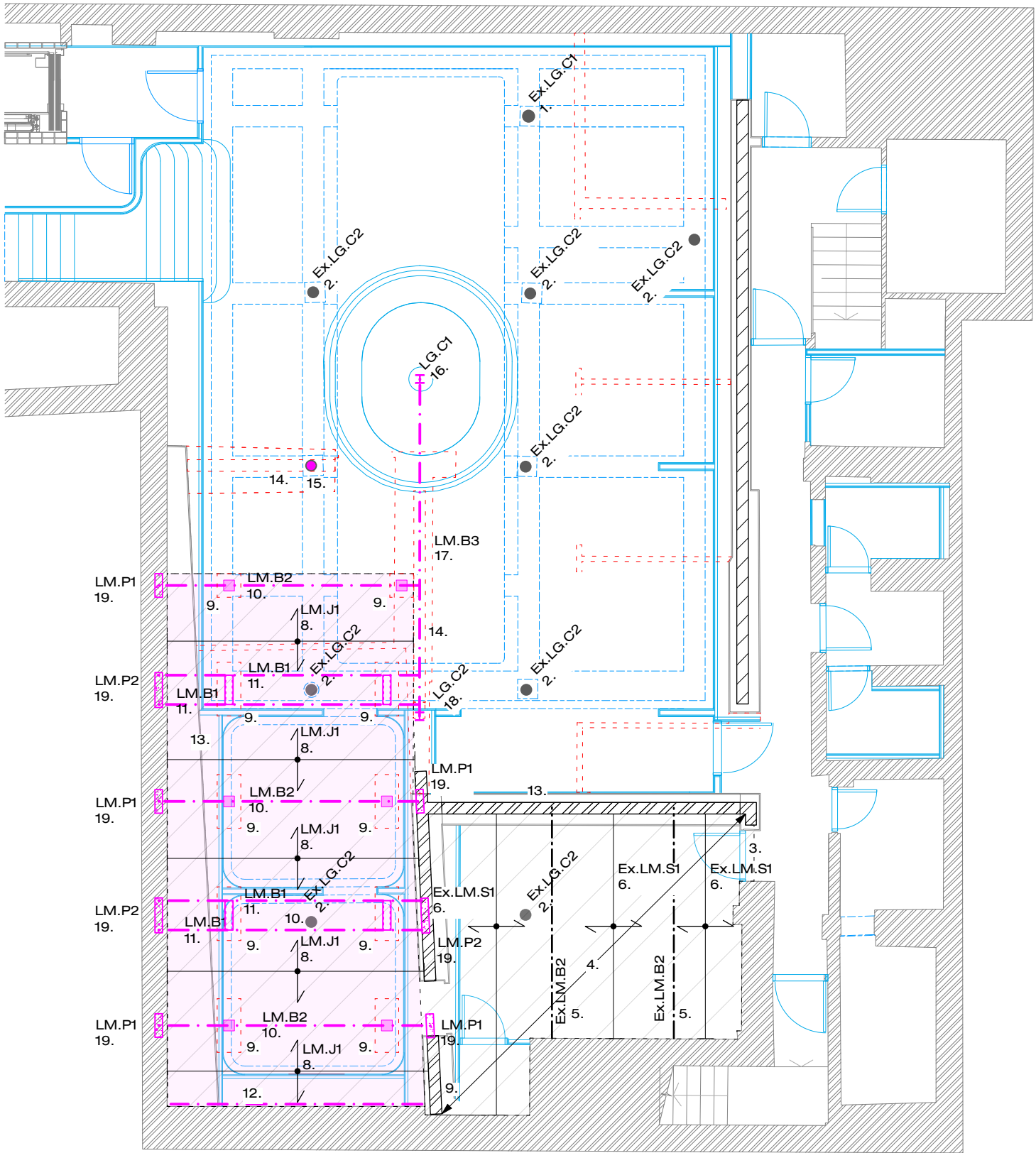
Column Schedule		
Ref	Size	Grade
Ex.LG.C1	114.3 CHS	-
Ex.LG.C2	200 dia. cast iron column (original)	-
Ex.LG.C3	200 x 90 x 30 PFC	-
LG.C1	152 x 152 x 37 UC	S275
LG.C2	152 x 152 x 37 UC	S275

Ref	Padstone Schedule
LM.P1	440 x 140 x 215h
LM.P2	650 x 140 x 215h

engineer: AF

checked: PG

sheet no: 1920/SK006



Notes:

This drawing to be read in conjunction with the architects drawings and all other relevant drawings.

1. Existing column, assumed to be a more modern addition compared to the remaining lower ground columns.

2. Historic cast iron circular columns.

3. Hatching indicates assumed extent of concrete slab. Top of slab located approximately 800mm below ground floor timber joists.

4. Extent of existing low level slab to be retained.

5. Assumed reinforced concrete downstand beams to be retained. Refer to the schedule for further details.

6. Assumed span direction of concrete slab. Refer to the schedule for further details.

7. Existing low level slab to be broken out (extent shown in pink). Based upon slab likely having been installed for bank security, allowances to be made for slab being heavily reinforced.

8. Span direction of new timber joists between new steel beams. Refer to the key for further details.

9. Blockwork piers, assumed to support ground floor beams above. Piers to be removed and replaced with steel packers or steel spreader beams to suit different beam arrangements.

10. New steel beams (LM.B2), installed at a higher level than the existing downstand beams. Beams to be positioned below existing high level structure. Steel packers to be installed where blockwork piers were previously located to replicate supports to existing ground floor structure above.

11. New pairs of steel beams (LM.B1), installed at a higher level than the existing downstand beams. Beams to be positioned below existing high level structure. New 150x90x24PFC S275 spreader beams to be installed to the underside of existing beams Ex.G.B3, as indicated. Spreader beams to be concealed within the depth of new steel beams LM.B1.

12. New full depth timber wall plate to match adjacent joists bolted to face of existing wall. Incoming timber joists to be screwed to the timber wall plate through joist hanger connections.

13. Brickwork wall to be retained. Wall thickness and overall length of the wall remain unconfirmed. Assumed to support RC downstand beams.

14. Existing masonry wall to be demolished. Exposed fabric to be made good.

15. Allowance to be made for a new column in this location. Further investigations required to confirm if an existing column is located within this wall.

16. New steel column, concealed within the centre of the new bar, to support new steelwork over.

17. New steel downstand beam to provide support to new steelwork. Downstand beam to replace existing load bearing masonry wall in this location. New steel beam LM.B3 to undersail existing primary timber beams spanning between cast iron columns.

18. New steel column to support new steelwork over.

19. New mass concrete padstones to be installed within existing external and internal masonry walls. Refer to padstone schedule for sizes.

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