

date: 25th March 2024

job no: 1920

project: M&W Manchester

Notes:

This drawing provides typical details, with structural elements shown indicatively only. It should be read in conjunction with the structural plans and details providing the actual sizes.

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

1. Indicative arrangement of existing masonry wall.

2. Existing assumed steel beam to support raised ground floor joists. Beam size and end bearing condition shown indicatively, subject to further investigation.

3. Existing blockwork pier provide support to existing assumed steel beams and ground floor joists. Pier currently supported on concrete slab. Pier to be carefully reduced in height and re-supported on new steel beams.

4. Existing timber joists at ground floor level.

5. New steel beams to support blockwork pier and new timber joisted ceiling.

6. New timber joists.

7. Minimum 25mm thick 3:1 sand : cement drypack well rammed in above beam.

8. Cast in-situ mass concrete padstone. Approximate size 440 long by 140 tall by 100 wide.

9. Existing masonry surrounding padstone bearing to be made good in units to match existing in class (iii) mortar.

10. Existing padstone to be amended as required to suit installation of new beam below.

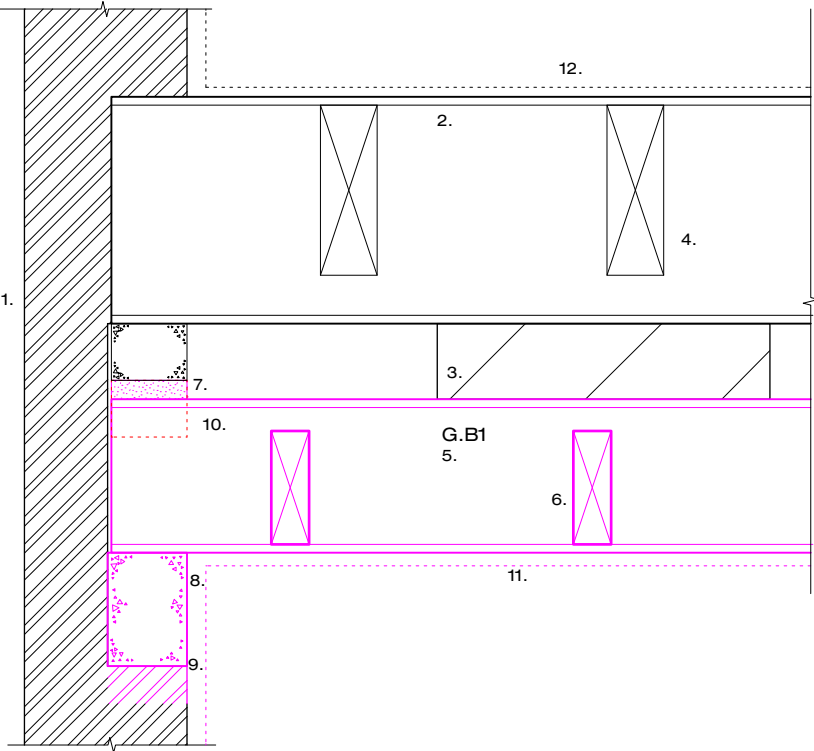
11. Indicative line of finishes to architect's specification.

12. Existing floor finishes.

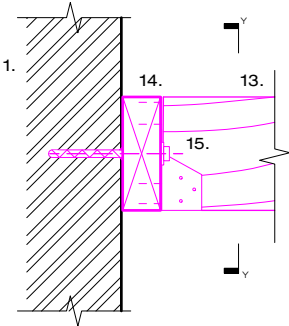
13. Indicates incoming 50 wide by 150 deep C24 timber joist. Provide full depth timber noggins at supports and third-span points, fully skew nailed into both faces of timber.

14. Full depth timber wall plate to match adjacent joists bolted to face of existing wall with M12 grade 8.8 anchors with Rawlplug KER II resin.

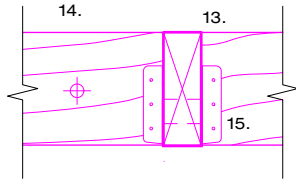
15. Timber joists supported on timber wall plate with Expamet BAT Maxi Speedy face-fixed joist hangers fully screwed to timber. Joist hangers to be installed in accordance with manufacturers directions.



SKETCH DETAIL 01 (S.01)
Typical Steel Beam Connection to Existing Masonry Wall



SKETCH DETAIL 02 (S.02)
Typical Timber Joist Connection to Existing Masonry Wall



SKETCH DETAIL 03 (S.03)
Detail Section YY

engineer: AF

checked: PG