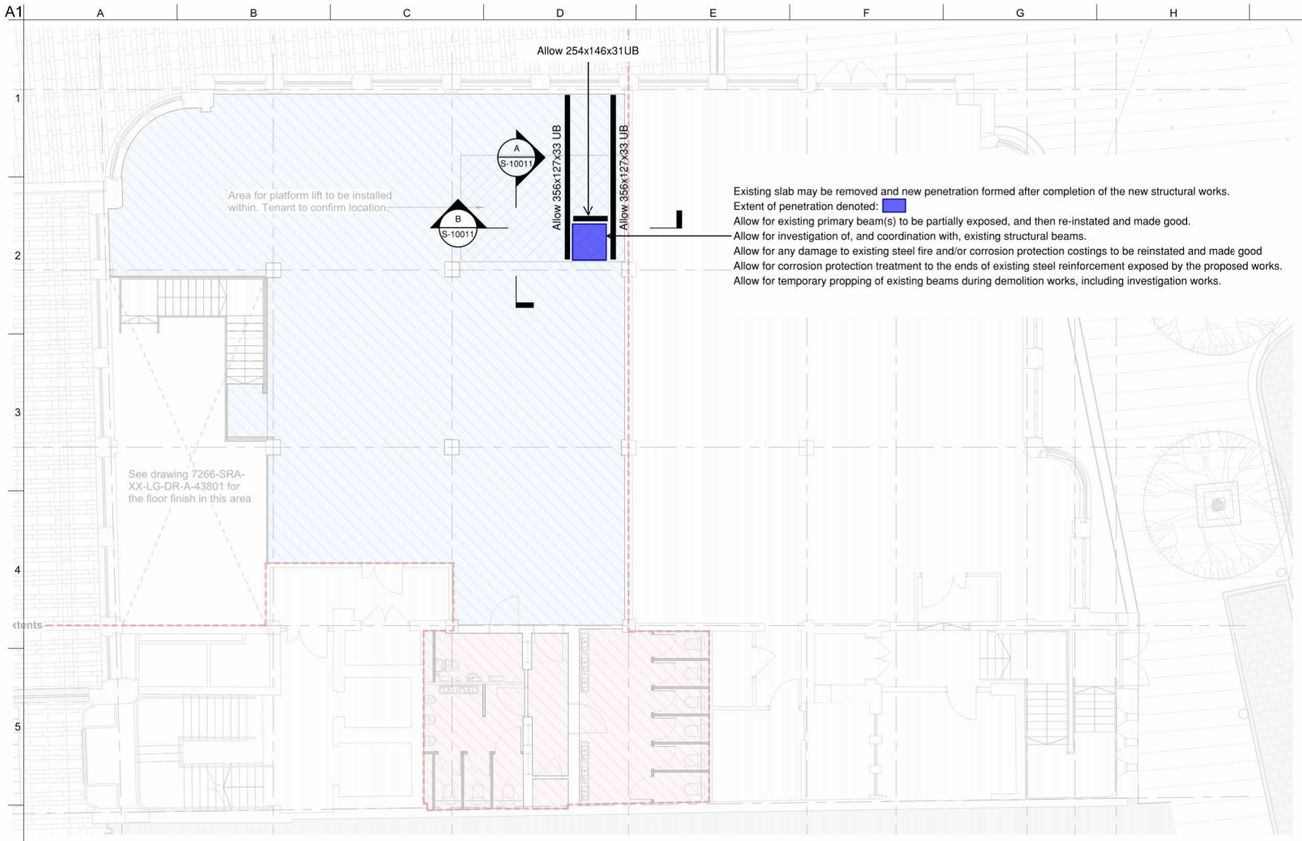
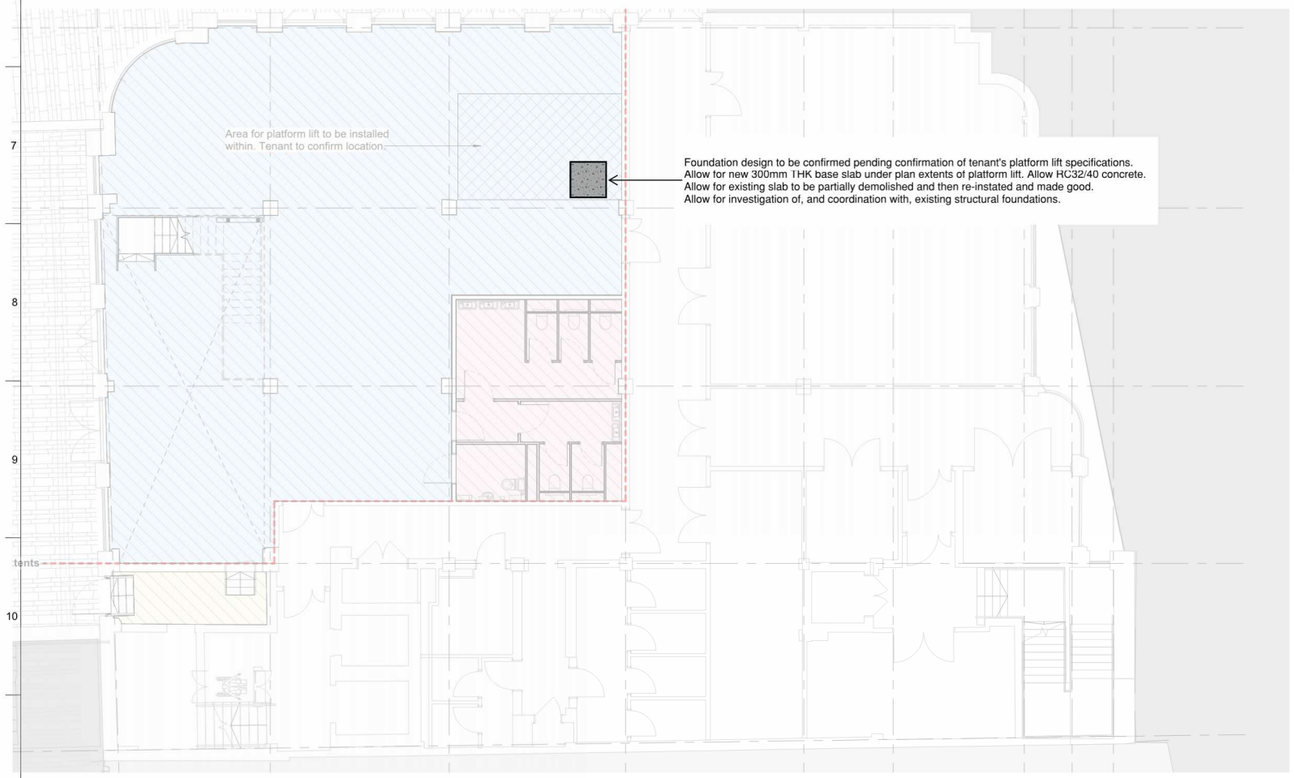


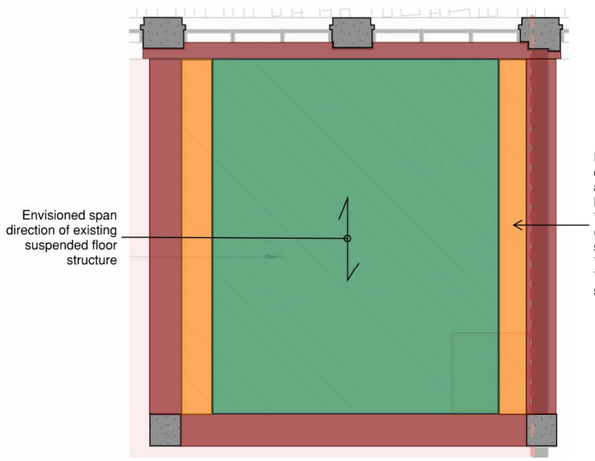
Platform Lift: Ground layout

Scale 1:100



Platform Lift: Lower Ground layout

Scale 1:100



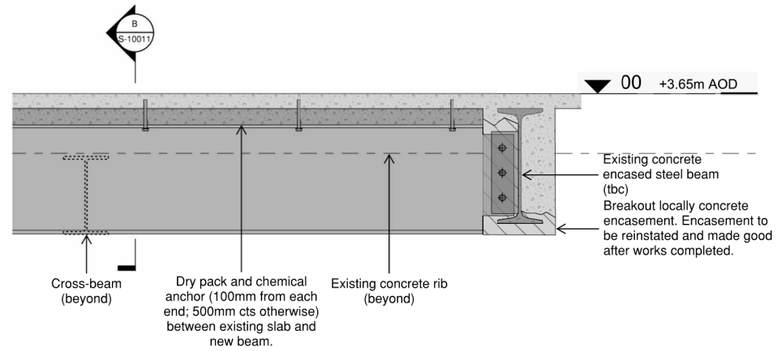
Platform Lift: Location guide

Not to scale

Note: Penetrations should be sized and positioned to cut/affect the minimum number of existing concrete ribs.

Colour key:

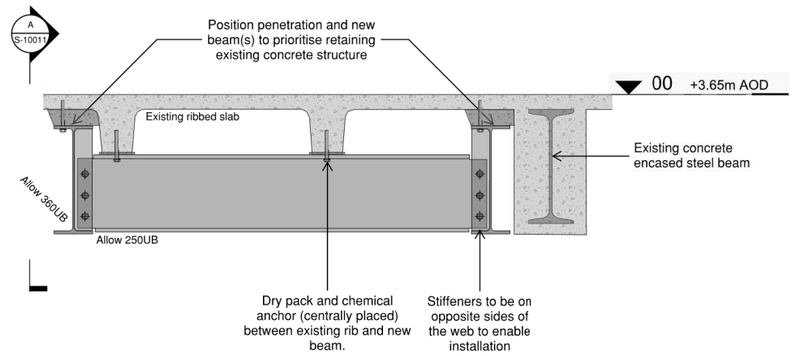
- Structurally-preferred location for lift
- Structurally-possible location for lift
- Primary beams to be retained unaffected by new lift



Section A: Primary beam

Scale 1:10

Note: Envisioned connection typical each end.



Section B: Cross-beam

Scale 1:10

Notes:

1. This drawing should be read in conjunction with other design documentation, work package scope of works, and all other supporting technical information.
2. All dimensions in millimetres, and all levels in metres unless noted otherwise.
3. Do not scale from this drawing.
4. Structure presented appropriate for planning and cost allowance purposes; structure not for construction, pending tenant fitout design information.
5. Structural Steelwork shall be protected from corrosion through the application of a compliant steel surface treatment.
6. Structural Steelwork shall be protected to satisfy any required fire resistance levels. Refer to architectural drawings and specifications for details.
7. For aesthetic and compliance paint treatments including fire protection), refer to architectural drawings and specifications for details.
8. For balustrades, refer to architectural documentation, and tenant fitout design.
9. All products, such as anchors, shall be installed in accordance with the supplier's specifications and written recommendations.
10. Steelwork fabrication drgs to be based on architectural setout and geometric site survey measurements.
11. Structural steelwork to be:
* Open sections: Grade S355 to BS EN 1993 uno.
* Hollow sections: Grade S355 hot finished to BS EN 10210 uno.
Subgrades to BS 5950-1:2000.
12. Structural steelwork to be fabricated to execution class EXC2 to BS EN 1090.
13. Cementitious grout to be minimum compressive strength of 40MPa to BS EN 196-1:2006 uno.
14. Existing structure to be retained uno.
15. All welds to be 6mm (min) throat thickness fillet welds uno. Welding electrode strength to be E51 to BS 639 uno.
16. Grade 8.8 bolts shall be to BS EN 24014, BS EN 24017, or BS 3692.

10/05/2023 12:46:28

Issue	Date	
P03	17/ 07/ 25	Issued for Information
P02	09/ 06/ 25	Issued for Information
P01	08/ 04/ 25	Issued for Information

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Client

MEPC

Project Title

Redfern Building, Manchester

Drawing Title

Platform lift
Envisioned Layouts & Section

Scale at A1	Dsg/Drw/Chkd/Appd
As shown	KW/ SCB

Role: Structural

Status: Issued for Information

Arup Job No	Rev
283842-00	P03

ID: RED-ARP-ZZ-ZZ-DR-S-10011

Do not scale

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