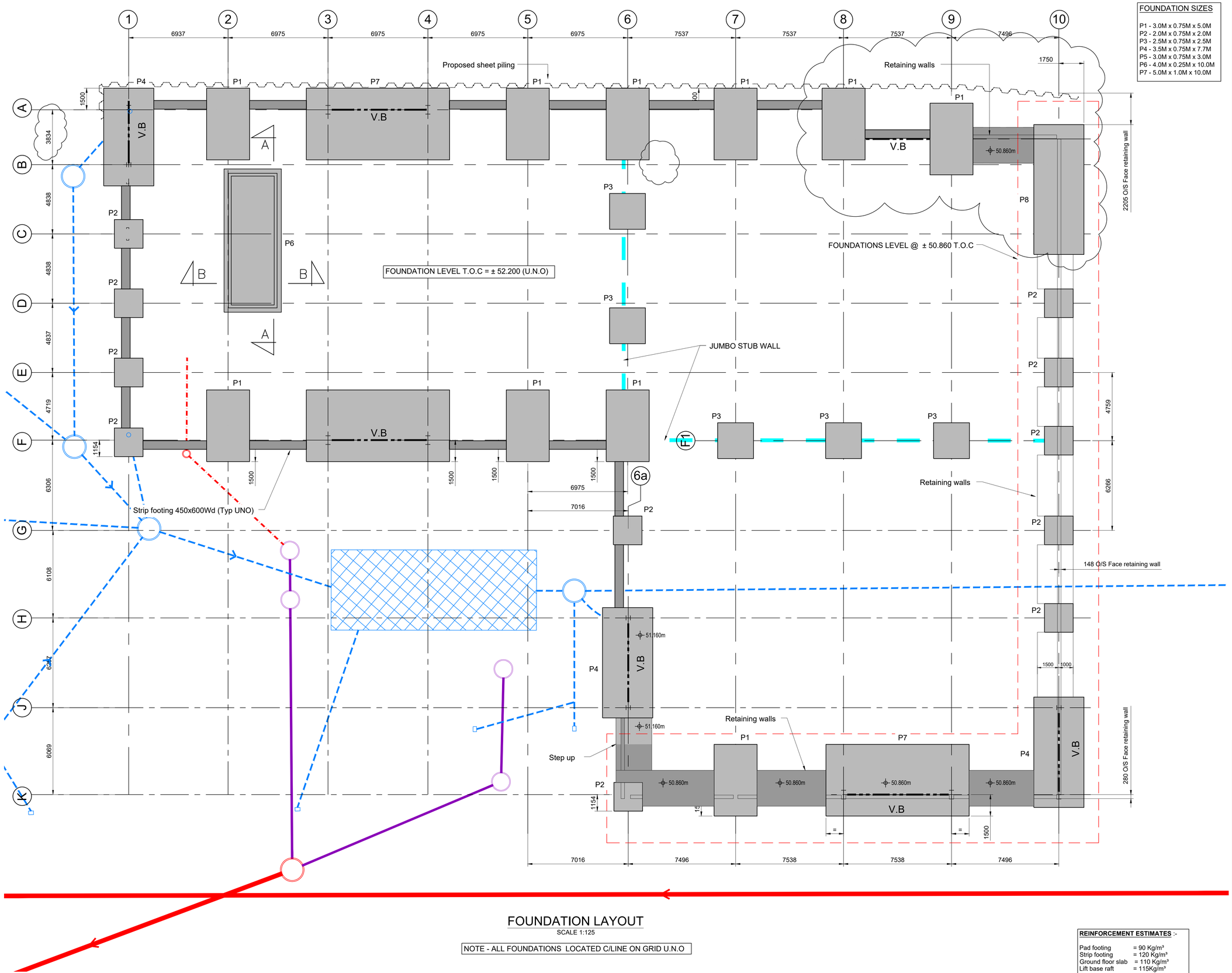

FOUNDATION LAYOUT

SCALE 1:125

NOTE - ALL FOUNDATIONS LOCATED C/LINE ON GRID U.N.O

FOUNDATION SIZES

P1 - 3.0M x 0.75M x 5.0M
P2 - 2.0M x 0.75M x 2.0M
P3 - 2.5M x 0.75M x 2.5M
P4 - 3.5M x 0.75M x 7.7M
P5 - 3.0M x 0.75M x 3.0M
P6 - 4.0M x 0.25M x 10.0M
P7 - 5.0M x 1.0M x 10.0M

REINFORCEMENT ESTIMATES :-

Pad footing	= 90 Kg/m³
Strip footing	= 120 Kg/m³
Ground floor slab	= 110 Kg/m³
Lift base raft	= 115Kg/m³
Retaining walls	= 115Kg/m³

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GENERAL NOTES

1. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, ENGINEERS, ARCHITECTS & SERVICES DRAWINGS, INCLUDING APPROVED BUILDERS WORK DRAWINGS. CONTRACTOR TO NOTIFY ENGINEER OF DISCREPANCIES BETWEEN STRUCTURAL DRAWINGS AND SPECIFICATIONS OR OTHER DRAWINGS.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. DO NOT SCALE FROM THE DRAWINGS OR THE COMPUTER DIGITAL DATA, ONLY FIGURED DIMENSIONS ARE TO BE USED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, ERECTION AND REMOVAL OF ALL TEMPORARY WORKS AND SHALL PROVIDE ALL TEMPORARY BRACING AS NECESSARY TO MAINTAIN STRUCTURAL STABILITY DURING CONSTRUCTION.
5. IF THE CONTRACTOR CONSIDERS THAT HE DOES NOT HAVE SUFFICIENT INFORMATION TO SAFELY COMPLETE THE WORKS DETAILED ON THIS DRAWING, HE SHOULD CONTACT THE ENGINEER.

CDM DESIGNER'S RISK ASSESSMENT

THOMASONS ASSUME THAT THE CONTRACTOR IS COMPETENT IN MATTERS OF HEALTH & SAFETY AND IS AWARE OF ALL THE NORMAL RISKS ASSOCIATED WITH CONSTRUCTION OF THE TYPE SHOWN ON THIS DRAWING. REMAINING UNUSUAL RISKS ARE :-

	CHK'D
CONSTRUCTION	
1. Potential asbestos containing materials in ground.	CH
2. High water table. Allow for pumping of excavations.	
3. Working adjacent to live railway.	
4. Working adjacent to existing structures to be retained, care to be taken to not undermine / damage these during the works.	
MAINTENANCE / CLEANING	
1. No unusual risks	CH
DECOMMISSIONING / DEMOLITION	
1. No unusual risks	CH

1. Drawing to be read in conjunction with Thomasons structural concrete specification.
2. Unless noted otherwise, the concrete grades are:

Location:	Grade	Sulphate Class	ACEC Class
Foundations	C35/45	DS-2	AC-2
Ground floor slab	C28/35	DS-2	AC-2
Mass concrete fill	C16/20	DS-2	AC-2
Concrete Blinding	GEN 3		

3. Mix details are noted in the concrete specification section E10.
4. Cover to reinforcement to be as shown on the reinforcement drawings. Min. cover to concrete below ground to be 50mm.
5. All finishes should be confirmed and checked with the architect before construction. see architects concrete finishes drawings.
6. 50mm thick blinding concrete is to be placed under all reinforced concrete in contact with the ground u.n.o.
7. No cutting or removal of placed concrete is permitted without prior agreement of 'Thomasons' Structural Engineer.
8. The positions and details of all construction joints not shown on the drawings are to be agreed with 'Thomasons' Structural Engineer before work commences. refer to specification for maximum spacing of construction joints.
9. Internal waterproofing or Damp proof membranes to lift pit to be to architects specification.
10. Holes/chases etc. other than those on the structural drawings should not be made without the approval of the Structural Engineer.
11. Reinforcements to be to BS4449: B - high yield steel stress 500 N/mm2
12. Welding of reinforcement is not permitted without prior approval.
13. Any discrepancies must be drawn to the attention of the contract administrator. The builders work drawings are to be issued to the engineer for review.
14. All holes in reinforced concrete are to be formed.
15. Starter kickers to all walls, columns etc to be 150 high unless otherwise noted.
16. Shallow depth excavations (<1.20m) in the made ground will require nominal support with at least pumping from sumps to control surface water ingress.
17. Concreting of foundations should take place as soon as formation level is exposed in order to prevent weakening of the subsoil due to the ingress of surface/seepage groundwater.

Rev	Description	By	Date	Chkd
P1	PLANNING ISSUE	MT	27.03.24	CH
T2	TENDER ISSUE	MT	21.01.23	CH
T1	TENDER ISSUE	MT	06.04.23	CH
P1	PRELIMINARY ISSUE	MT	30.01.23	CH

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STORAGE WORLD
AMBROSE STREET

FOUNDATION LAYOUT

Status: PLANNING

Drawing No.	Revision	Scale	Size	Drawn	Date	Passed (Tender)	Passed (Construction)
11325 - 001	P1	1:125	A1	MT	FEB 23	CH	-