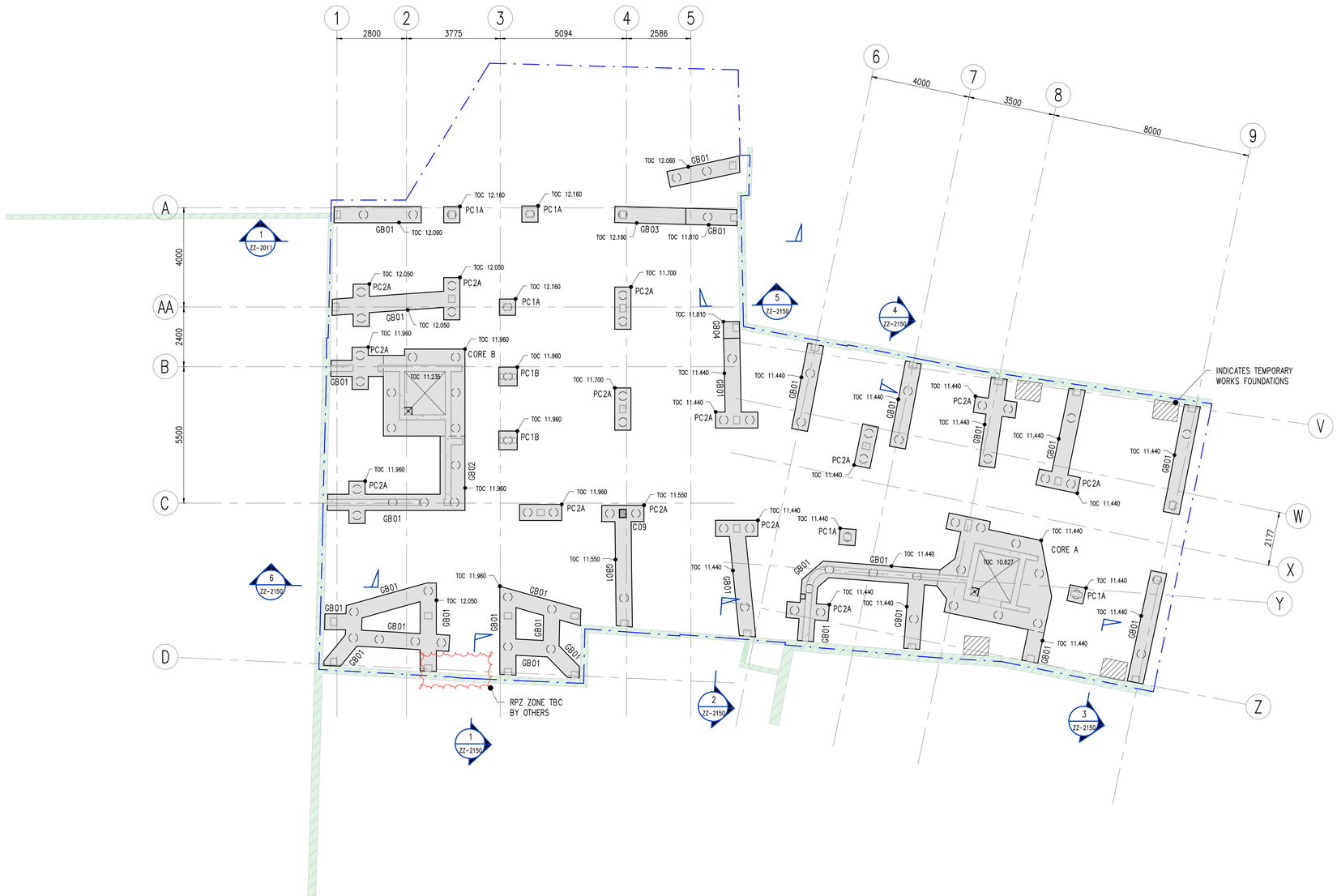

R.C. COLUMN SCHEDULE

REF.	SIZE
C01	200x300 R.C.
C02	200x450 R.C.
C03	200x700 R.C.
C04	250x300 R.C.
C05	250x450 R.C.
C09	280x330 R.C.

GROUND BEAM SCHEDULE

REF.	SIZE
GB01	650x800 Dp. GROUND BEAM
GB02	650x1000 Dp. GROUND BEAM
GB03	650x1150 Dp. GROUND BEAM
GB04	650x1170 Dp. GROUND BEAM

DEPTH OF GROUND BEAMS LIMITED TO 800mm. PILE DESIGNERS TO CONFIRM IF THIS ALLOWS SUFFICIENT DEPTH OF PILE REINFORCEMENT ANCHORAGE

TEMPORARY WORKS TO MITIGATE AGAINST RESIDUAL RISK OF UNDERMINING OF PARTY WALL FOUNDATIONS

PARTY WALL INFORMATION TAKEN FROM F3 MODEL 807HR-F3A-XX-XX-M3-A-0001, DATED 07.04.2025

LIFT PIT DEPTHS TAKEN AS 1200mm BELOW TOP OF 25mm TALL RAMP AT GF.

BLOCK A GF FFL: 11.802m (FROM ARCHITECT DRAWING 807HR-F3A-ZZ-00-ST-A-1703 REV S4P2
TOP OF RAMP: 11.827m
LEVEL OF BLOCK A LIFT PIT: 10.627m

BLOCK B GF FFL: 12.410m (FROM ARCHITECT DRAWING 807HR-F3A-ZZ-00-ST-A-1703 REV S4P2
TOP OF RAMP: 12.435m
LEVEL OF BLOCK B LIFT PIT: 11.235m

Notes

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES.

2. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS.

3. THIS DRAWING HAS BEEN PRODUCED ELECTRONICALLY AND MAY HAVE BEEN PHOTO REDUCED OR ENLARGED WHEN COPIED. HENCE, DO NOT RELY ON ANY SCALES QUOTED. WORK ONLY TO FIGURED DIMENSIONS (DO NOT SCALE). ALL DIMENSIONS TO BE CHECKED ON SITE. ANY ERRORS OR OMISSIONS TO BE REPORTED TO THE ENGINEER IMMEDIATELY.

4. STAIR FLIGHTS ASSUMED TO BE CONSTRUCTED USING STAIRMASTER OR SIMILAR WITH IN-SITU LANDINGS AND HALF LANDINGS.

5. FOR CONCRETE GRADE REFER TO CONCRETE PERFORMANCE SPECIFICATION. TYPICALLY:
- SLABS: C32/40
- COLUMNS: C40/50
- WALLS: C32/40
- BEAMS: C32/40
- UPSTANDS: C32/40
- STAIRS: C32/40
- FOUNDATIONS: C28/35 @ 28 DAYS TO ACHIEVE C32/40 @ 56 DAYS

6. CONCRETE EQUIVALENT EMBODIED CARBON (LCA STAGES A1-A3):

-SUBSTRUCTURE (C40/50): <245kgC02e/m3
-SUBSTRUCTURE (C28/35 & C32/40): <180kg C02e/m3
-SUPERSTRUCTURE COLS (C40/50): <245kg C02e/m3
-SUPERSTRUCTURE SLABS & WALLS (C32/40): <215kg C02e/m3

C.D.M.

SIGNIFICANT RISKS AND HAZARDS:

- UNDERMINING OF ADJACENT FOOTINGS.
- BURIED OBSTRUCTIONS IN THE WAY OF EXISTING SERVICES AND DRAINAGE.
- ROOT PROTECTION ZONE OF NEARBY TREE.
- FOR FURTHER DETAILS, REFER TO DESIGN RISK REGISTER AND DRAWING PRINT-WAL-ZZ-XX-DR-S-1602

KEY DESIGN DECISIONS TO REDUCE OR ELIMINATE HAZARDS:

- PILE FOUNDATION SOLUTION WITH CENTRE OF PILES OFFSET FROM FACE OF PARTY WALLS BY 1200mm. STRUCTURE SUPPORTING EDGE COLUMNS KEPT TO 650mm WIDE TO LIMIT EXTENT OF EXCAVATIONS REQUIRED ADJACENT TO PARTY WALL FOOTINGS.
GROUND BEAMS KEPT TO 800mm DEEP TO MINIMISE DEPTH OF EXCAVATION.
- EXISTING DRAINAGE AND SERVICES ASSUMED TO BE REMOVED PRIOR TO CONSTRUCTION OF FOUNDATIONS.

Rev.	Date	By	Details Of Revision
P02	05.09.25	MH	FOUNDATIONS AMENDED
P01	12.08.25	MH	PRELIMINARY ISSUE

Client: McAleer & Rushe

Project: THE PRINTWORKS

Title: BUILDING B807 FOUNDATIONS GENERAL ARRANGEMENT

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Structural and Civil Engineers
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Status: **PRELIMINARY**

Drawn	MH	A1 Scales	1 : 100		
Date	JUL '25	Eng.	AWM	Chk. EL	App'd.
WA Ref.	6056				Suitblty. _

ACTUAL DIMENSION = 80mm

Drawing No.	Rev.
807HR-WAL-ZZ-FD-DR-S-1000	P02

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