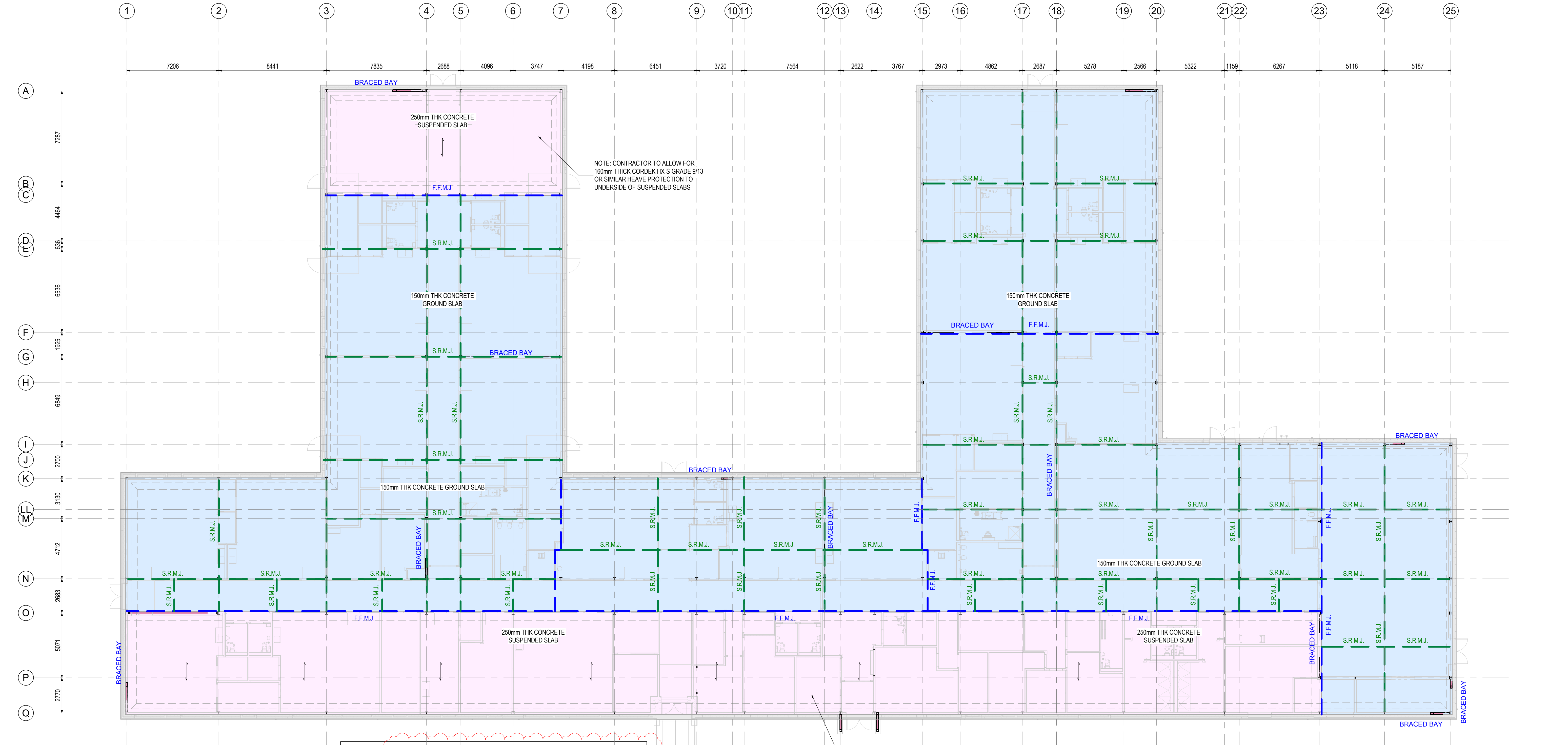




00 - GROUND FLOOR G.A.

SCALE 1 : 150

GAS MITIGATION STRATEGY

FOLLOWING THE RESULTS OF THE SITE INVESTIGATION AND IN LINE WITH THE LK REMEDIATION STRATEGY GROUND GAS PROTECTION STRATEGY TO MEET REQUIREMENTS FOR A CHARACTERISTIC SITUATION 2 ACHIEVING 2.5 POINTS FOR A TYPE C BUILDING IN LINE WITH THE LATEST VERSION OF BS 8485.

- AS A MINIMUM CONTRACTOR TO ALLOW FOR:
 - 2000 GAUGE PROPRIETARY GAS MEMBRANE INSTALLED TO REASONABLE LEVELS OF WORKMANSHIP IN LINE WITH GOOD PRACTICE UNDER CQA, COMPLETE WITH INDEPENDANT INTEGRITY TESTING AND VALIDATION. (2 POINTS)
 - REINFORCED CAST IN-SITU SUSPENDED FLOOR SLAB WITH MINIMAL PENETRATIONS. (1.5 POINTS)

ALTERNATIVELY IN AREAS OF GROUND BEARING SLAB CONSTRUCTION:

- 2000 GAUGE PROPRIETARY GAS MEMBRANE INSTALLED TO REASONABLE LEVELS OF WORKMANSHIP IN LINE WITH GOOD PRACTICE UNDER CQA, COMPLETE WITH INDEPENDANT INTEGRITY TESTING AND VALIDATION. (2 POINTS)
- CAST IN-SITU GROUND BEARING SLAB WITH NOMINAL MESH REINFORCEMENT (0.5 POINTS)
- FINAL SYSTEM TO SPECIALIST SUB-CONTRACTOR DESIGN, DETAIL AND SPECIFICATION AND TO BE AGREED WITH THE LOCAL ENVIRONMENTAL HEALTH OFFICER PRIOR TO INSTALLATION.
- ALL GAS MEMBRANES MUST BE VOC RESISTANT AS PER LK REMEDIATION REPORT

SLAB LEGEND

150mm THK CONCRETE GROUND BEARING SLAB TO BE FORMED ON APPROPRIATE SEPARATION MEMBRANE, OVER INSULATION TO ARCHITECTS DETAIL, OVER APPROPRIATE GAS AND VOC RESISTANT MEMBRANE OVER 25mm SAND BLINDING OVER 150mm DOT TYPE 1 OVER VIBRO IMPROVED GROUND (REFER TO S-00011 FOR FURTHER DETAILS)

250mm THK CONCRETE SUSPENDED, TO BE FORMED ON APPROPRIATE SEPARATION MEMBRANE, OVER INSULATION TO ARCHITECTS DETAIL, OVER APPROPRIATE GAS AND VOC RESISTANT MEMBRANE OVER 160mm THICK CORDEK HX-S OVER 25mm SAND BLINDING OVER 150mm DOT TYPE 1 OVER VIBRO IMPROVED GROUND (REFER TO S-00011 FOR FURTHER DETAILS)

*ALLOWANCE TO BE MADE FOR INDUCED SAWN JOINTS AT TYPICALLY 6 TO 8m CENTRES. JOINT LAYOUT TO BE DEVELOPED AT NEXT STAGE

MOVEMENT JOINT: FINAL LOCATIONS TO BE CONFIRMED WITH ARCHITECT AND CO-ORDINATED WITH PROPOSED SLAB POUR SEQUENCE. ALL FINISHES TO BE BROKEN AT MOVEMENT JOINT LOCATIONS.

SAWN CUT JOINT: FINAL LOCATIONS TO BE CONFIRMED WITH ARCHITECT AND CO-ORDINATED WITH PROPOSED SLAB POUR SEQUENCE. ALL FINISHES TO BE BROKEN AT MOVEMENT JOINT LOCATIONS.

NOTE: CONTRACTOR TO ALLOW FOR 160mm THICK CORDEK HX-S GRADE 9/13 OR SIMILAR HEAVE PROTECTION TO UNDERSIDE OF SUSPENDED SLABS

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REV	DESCRIPTION	DATE	BY	CHKD
P05	AMENDED AS CLOUDED	24/08/23	LG	NB
P04	VOC RESISTANT MEMBRANE NOTES	07/08/23	MR	NB
P03	ISSUED FOR INFORMATION	17/07/23	LG	NB
P02	ISSUED FOR INFORMATION	13/03/23	JKA	NB
P01	ISSUED FOR INFORMATION	17/03/23	KLM	NB

CLIENT:
MANCHESTER CITY COUNCIL

IN ASSOCIATION WITH:
ISG CONSTRUCTION

VARLEY STREET SCHOOL

TITLE:
GROUND FLOOR G.A.

DRAWN BY: LG CHECKED BY: AB APPROVED BY: NB
SCALE: As indicated @ A1 DATE: 10.02.2023

STATUS: S3 FOR INFORMATION

DRAWING No: VAR - RDG - ZZ-00-DR-S-00010
PROJECT: VAR ORIGINATOR FUNCTION: RDG SPATIAL: ZZ FORM: DR DISCIPLINE: S NUMBER: 00010 REV: P05

ORIGINATOR:



RIDGE PROJECT No: 5020683

ALL STRUCTURAL SLAB LEVELS (S.L.) TO BE:
+60.225m
UNLESS NOTED OTHERWISE