

GENERAL DRAWING NOTES

1. DO NOT SCALE FROM DRAWINGS. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM. ALL DIMENSIONS ARE IN mm (U.N.O.).
2. SETTING-OUT AND LEVELS ON STRUCTURAL DRAWINGS ONLY TO BE USED FOR FABRICATION/CONSTRUCTION IF CONFIRMED BY THE ARCHITECT.
3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, SERVICE ENGINEERS AND ANY OTHER WRITTEN INSTRUCTIONS ISSUED BY THE CONTRACT ADMINISTRATOR.
4. REFER TO SERVICE ENGINEER DRAWINGS FOR ALL PENETRATIONS AND CAST-IN COMPONENTS IN STRUCTURE (WHICH ARE NOT SHOWN ON STRUCTURAL DRAWINGS), PLANT SUPPORTS AND UNDERGROUND SERVICES.
5. THE CONTRACTOR SHOULD ALLOW FOR AND CO-ORDINATE WITH APPROPRIATE SUBCONTRACTORS FOR ALL NECESSARY FIXINGS TO STRUCTURE. (EG. CLADDING/FACADE, CLEANING/ACCESS EQUIPMENT, LIFT EQUIPMENT, MAJOR FITTINGS AND SERVICES/PLANT.
6. DO NOT SCALE FROM THE DRAWINGS. WORK TO FIGURED DIMENSIONS ONLY. ANY DISCREPANCIES IN DIMENSIONS SHALL BE REFERRED TO THE ARCHITECT, CONTRACT ADMINISTRATOR & ENGINEER AND RESOLVED BEFORE ANY WORK COMMENCES.
7. THE CONTRACTOR IS RESPONSIBLE FOR CO-ORDINATING ALL ASPECTS OF THEIR WORK, INCLUDING SUB-CONTRACTORS WORK.
8. THE CONTRACTOR IS TO MAKE THEMSELVES AWARE OF THE IMPLICATIONS OF CHANGES WHICH EITHER THEY OR THE SUB-CONTRACTORS MAKE WITH REGARD TO THE STRUCTURAL INTEGRITY OF THE BUILDING.
9. ALL PROPRIETARY SYSTEMS TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
10. ALL INSULATION, DPM's and DPC's TO ARCHITECTS DRAWINGS, DETAILS AND SPECIFICATIONS.
11. THE EXISTING STRUCTURAL FORM HAS BEEN ASSESSED THROUGH VISUAL AND INTRUSIVE INVESTIGATIONS UNDERTAKE BY MANN WILLIAMS.

CONCRETE

1. ALL CONCRETE TO BE IN ACCORDANCE WITH BS8500 PART 1 & 2 AND BS EN 1992-1 STANDARDS.
2. ALL CEMENT TO BE ORDINARY PORTLAND CEMENT (OPC) UNLESS OTHERWISE PROVIDED FOR IN THE ENGINEER'S CONCRETE SPECIFICATION. - SULPHATE CONCENTRATIONS ARE ASSESSED AS HAVING A DESIGN SULPHATE CLASS AND ACEC CLASS TO BE CONFIRMED ON RECEIPT OF FINAL SITE INVESTIGATION.
3. AGGREGATES FOR CONCRETE TO BS EN 12620.
4. CONCRETE DESIGNATION GRADES FOR ALL ELEMENTS AS FOLLOWS:-
GEN1: CONCRETE BLINDING
RC 32/40 : REINFORCED CONCRETE FLOOR SLABS & BEAMS;
5. NOMINAL CONCRETE COVER = MINIMUM COVER +ΔC
ΔC = CONSTRUCTION TOLERANCE = 10mm
6. NOMINAL COVER TO GROUND FLOOR SLABS = 30mm (TOP), 40mm (BOTTOM)
7. ADDITIONAL MIX REQUIREMENTS: ALL SUBSTRUCTURE CONCRETE (FOUNDATIONS, BASEMENT WALLS & SLABS ETC) TO BE DESIGNED WITH ACEC CLASSIFICATION AC-2 AND DESIGN SULPHATE CLASS DS-2.
8. MINIMUM LAP OF FABRIC AND BAR REINFORCEMENT TO BS EN 1992.
9. ALL CONCRETE TO BE FULLY COMPACTED BY MEANS OF POKER VIBRATORS AND WORKMANSHIP IN ACCORDANCE WITH THE RELEVANT CLAUSES OF BS EN 1992.
10. THE USE OF GROUND GRANULATED BLAST FURNACE SLAG OR PULVERISED FUEL ASH AS PART REPLACEMENT FOR ORDINARY PORTLAND CEMENT WILL ONLY BE PERMITTED WITH THE PRIOR AGREEMENT OF THE ENGINEER.
11. THE CONTRACTOR SHALL PROVIDE INFORMATION OF HIS METHODS OF CONTROLLING THE CURING OF THE CONCRETE AND SHALL DETAIL THESE IN A METHOD STATEMENT FOR SUBMISSION TO THE ENGINEER/ARCHITECT IN ACCORDANCE WITH THE SPECIFICATION.
12. NO HOLES, CHASES OR OTHER OPENINGS TO BE CUT OR ANY REINFORCEMENT TO BE CUT OR DISPLACED IN ANY PART OF THE STRUCTURE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
13. ALL REINFORCING DETAILING SHALL BE IN ACCORDANCE WITH BS EN 1992, B.S. 8666 AND THE STANDARD METHOD OF DETAILING STRUCTURAL CONCRETE.
14. ALL REINFORCEMENT BARS SHALL BE TYPE 2 "B500B" BARS IN ACCORDANCE WITH B.S. 4449.
15. ALL WIRE MESH SHALL BE TYPE 2 "B500B" BARS IN ACCORDANCE WITH B.S. 4482 AND B.S. 4483.
16. FOR DETAILS OF ALL BUILDERS WORK PENETRATIONS INTO AND THROUGH SUBSTRUCTURE OR ENVELOPE, REFER TO THE SERVICE ENGINEER'S AND TRADE CONTRACTOR'S DRAWINGS.
17. CONTRACTOR TO CHECK THE ARCHITECTS BUILDERWORK DRAWINGS FOR DETAILED SETTING OUT OF EDGES, OPENINGS AND STAIRS.
18. FOR ALL FIXINGS, SUPPORT REQUIREMENTS FOR CAST-IN CHANNELS, LIFTING BEAMS ETC. REFER TO SPECIALIST DETAILS BY CLADDING SUPPLIER AND LIFT MANUFACTURER.
19. CONTRACTOR TO CHECK SERVICE ENGINEERS DRAWINGS FOR DETAILS OF ANY CAST-IN FIXINGS REQUIRED TO SUPPORT BUILDING SERVICES THAT MAY NOT BE SHOWN ON THE ENGINEER'S STRUCTURAL DRAWINGS. CONTRACTOR TO CO-ORDINATE REQUIREMENTS.
20. IF ANY CAST IN FIXINGS FOR BRICKWORK AND BLOCKWORK THE CONTRACTOR SHOULD TAKE COGNISANCE OF THE ARCHITECTS MASONRY COURSING REQUIREMENTS.
21. MAX LENGTH OF TIME BEFORE POURING AGAINST PREVIOUS WORK IS 4 DAYS.
22. ALL CONCRETE FACES TO BE CAST AGAINST FORMWORK UNLESS PRIOR CONSENT IS OTHERWISE GRANTED BY THE ENGINEER.

FOUNDATIONS

1. NEW FOUNDATIONS: GROUND BEARING SLABS, PAD AND STRIP FOUNDATIONS AS SHOWN ON STRUCTURAL DRAWINGS.
2. A COMPETENT ENGINEER FROM THE CONTRACTOR'S TEAM IS TO INSPECT ALL FOUNDATION FORMATIONS. THE STRUCTURAL ENGINEER AND THE CONTRACTOR'S ENGINEER ARE TO AGREE AN ACCEPTABLE FORMATION ON SITE. THEREAFTER, NOTIFICATION MUST BE GIVEN TO THE STRUCTURAL ENGINEER THAT THE CONTRACTOR IS SATISFIED WITH THE FORMATION BEFORE THE LAYING OF ANY FILL OR FOUNDATION CONCRETE.
3. FOUNDATION EXCAVATIONS SHOULD BE SEALED AT THE EARLIEST OPPORTUNITY AFTER EXCAVATION AND INSPECTION.
4. MINIMUM ALLOWABLE BEARING PRESSURE / BEARING RESISTANCE OF THE FOUNDATION MATERIAL IS ASSUMED TO BE:
50kPa GROUND BEARING SLABS.
5. BACKFILL (WHERE REQUIRED): 75mm DOWN CLEAN, WELL-GRADED, WELL-COMPACTED INERT NON-FROST-SUSCEPTIBLE, SULPHATE-FREE, NON-EXPANSIVE, GRANULAR MATERIAL/HARDCORE TO APPROVAL.
6. HARDCORE AND BACKFILL: COMPACT IN LAYERS NOT EXCEEDING 150mm THICK.
7. ALL FOUNDATIONS TO BS 6031 AND BS EN 1997.
8. DAMP PROOFING AND INSULATION TO ALL FOUNDATIONS TO BE TO ARCHITECTS DRAWINGS AND DETAILS.
9. FLOOR SLAB FINISHES TO ARCHITECTS DRAWINGS AND DETAILS.
10. AGREE WITH THE ENGINEER THE LOCATION AND DETAIL OF ALL CONSTRUCTION JOINTS NOT SHOWN ON THE DRAWINGS.
14. 50mm CONCRETE BLINDING TO BE PLACED UNDER ALL REINFORCED CONCRETE ELEMENTS CAST ON THE GROUND.
- 15 ALL CONCRETE WORK TO BS EN 1992 AND THE NSCS.

DRAINAGE NOTES

1. ALL BELOW GROUND STORM AND FOUL WATER DRAINAGE IS TO BE DESIGNED IN ACCORDANCE WITH BUILDING REGULATIONS 2000 APPROVED DOCUMENT: PART H - DRAINAGE AND WASTE DISPOSAL.
2. ALL SUSTAINABLE URBAN DRAINAGE SYSTEMS (SuDS) HAVE BEEN DESIGNED IN ACCORDANCE WITH PRINCIPLES OUTLINED IN CIRIA C697 AND SIMILAR ASSOCIATED GUIDANCE.
3. ALL ABOVE GROUND DRAINAGE TO BE DESIGNED AND DETAILED BY "OTHERS"
4. ALL DRAINAGE TO BE PLASTIC PIPEWORK SUCH AS HEPWORTH ULTRARIB OR SIMILAR APPROVED.
5. ALL MANHOLE COVERS, INSPECTIONS CHAMBER COVERS, GULLY GRATINGS & CHANNEL GRATINGS TO BE AGREED WITH THE ARCHITECT.
6. ALL INTERNAL MANHOLES TO HAVE DOUBLE SEALED COVERS.
7. ALL EXISTING MANHOLES WITH AMENDED CONNECTIONS TO BE FULLY RE-BENCHED.
8. COVER TO ALL EXISTING INTERNAL MANHOLES TO BE REPLACED.
9. WHERE DRAINAGE PASSES UNDER OR THROUGH SUBSTRUCTURES, PROVIDE 300 LONG ROCKER PIPES WITH 150MM OF THE SUBSTRUCTURE FACE.

- NOTES
1. This drawing is copyright and may not be reproduced without the permission of Mann Williams.
2. All drawings are to be read in conjunction with the project specification with all works carried out in accordance with the latest British Standards and codes of practice.
3. Any ambiguities or discrepancies between this drawing and any other information given elsewhere must be reported to Mann Williams for clarification before work proceeds.
4. All dimensions to be checked on site and any discrepancies reported to the engineer before work commences.
5. Only figured or calculated dimensions should be used and no drawing, in any format should be scaled.

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P1	First Issue	TM	24/02/2026
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P-PRELIMINARY		T-TENDER	
		CONSTRUCTION	

PROJECT
Canolfan Soar

TITLE
Drawing Notes



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