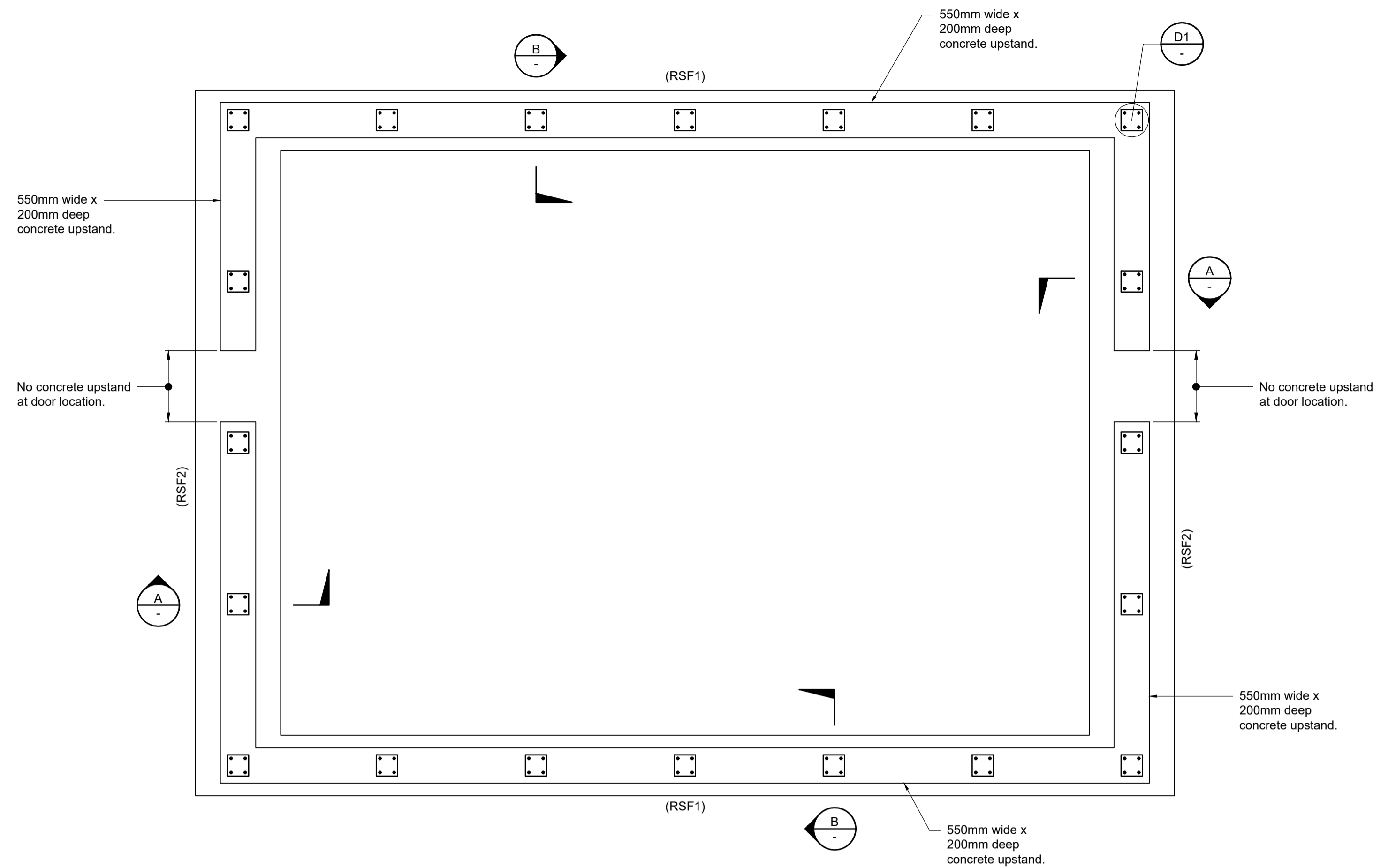


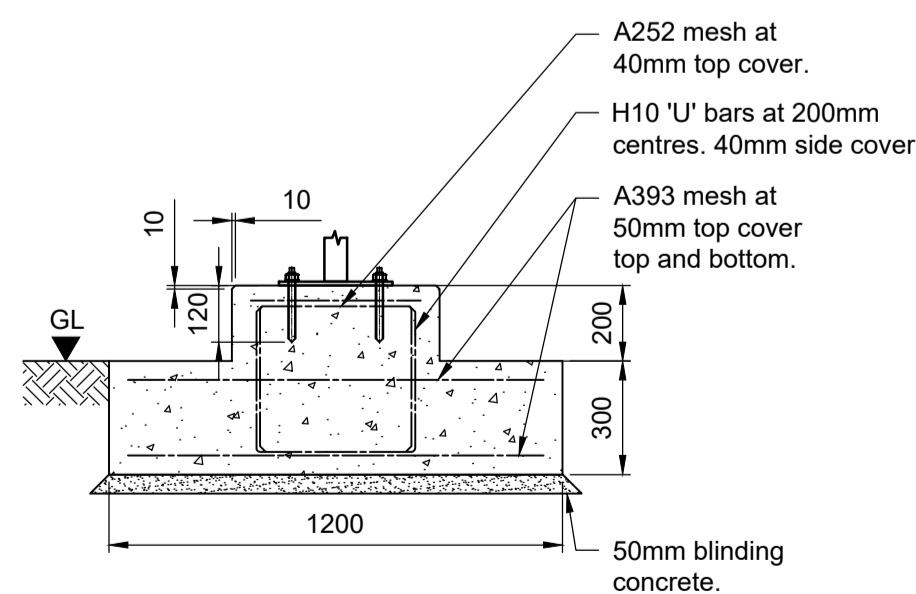
FIGURED DIMENSIONS ONLY TO BE USED



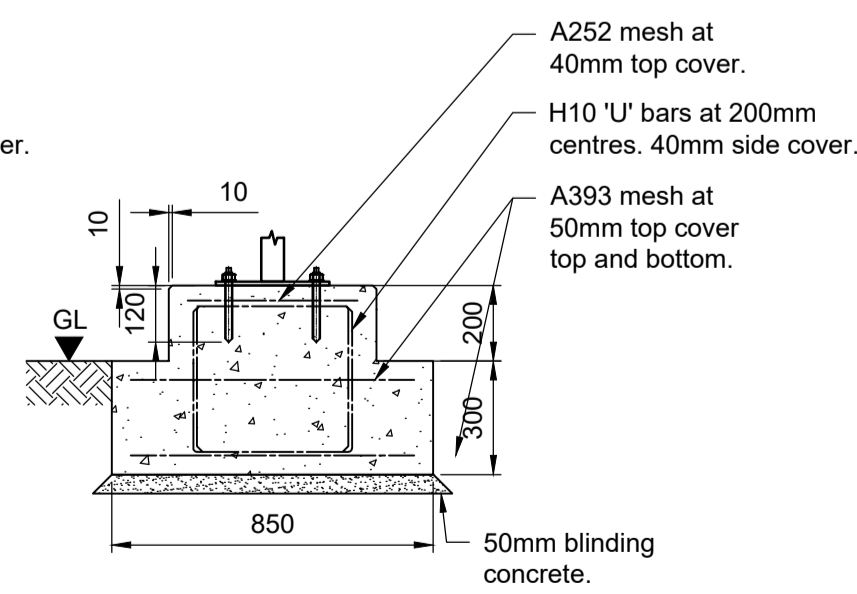
**FOUNDATION LAYOUT - INDUSTRIAL TENT**

SCALE 1:50

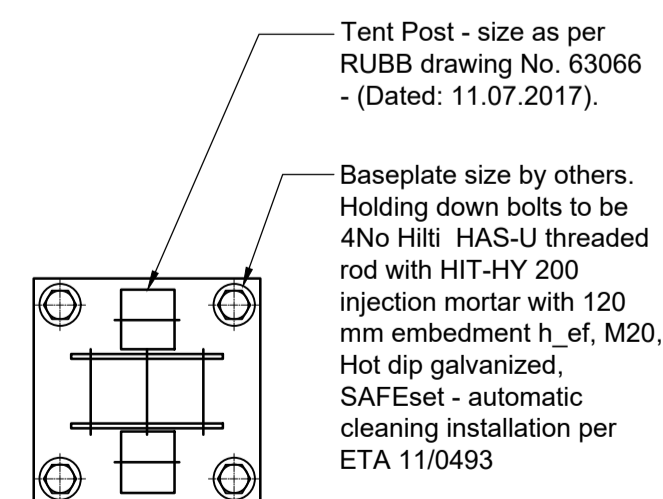
REINFORCED STRIP FOUNDATION SCHEDULE		
REF*	SIZE	REINFORCEMENT
(RSF1)	850x300mm GRADE XC2/AC-1 (RC28/35) REINFORCED CONCRETE STRIP FOUNDATION	A393 MESH AT 50mm BOTTOM COVER AND A393 MESH AT 50mm TOP COVER.
(RSF2)	1200x300mm GRADE XC2/AC-1 (RC28/35) REINFORCED CONCRETE STRIP FOUNDATION	A393 MESH AT 50mm BOTTOM COVER AND A393 MESH AT 50mm TOP COVER.



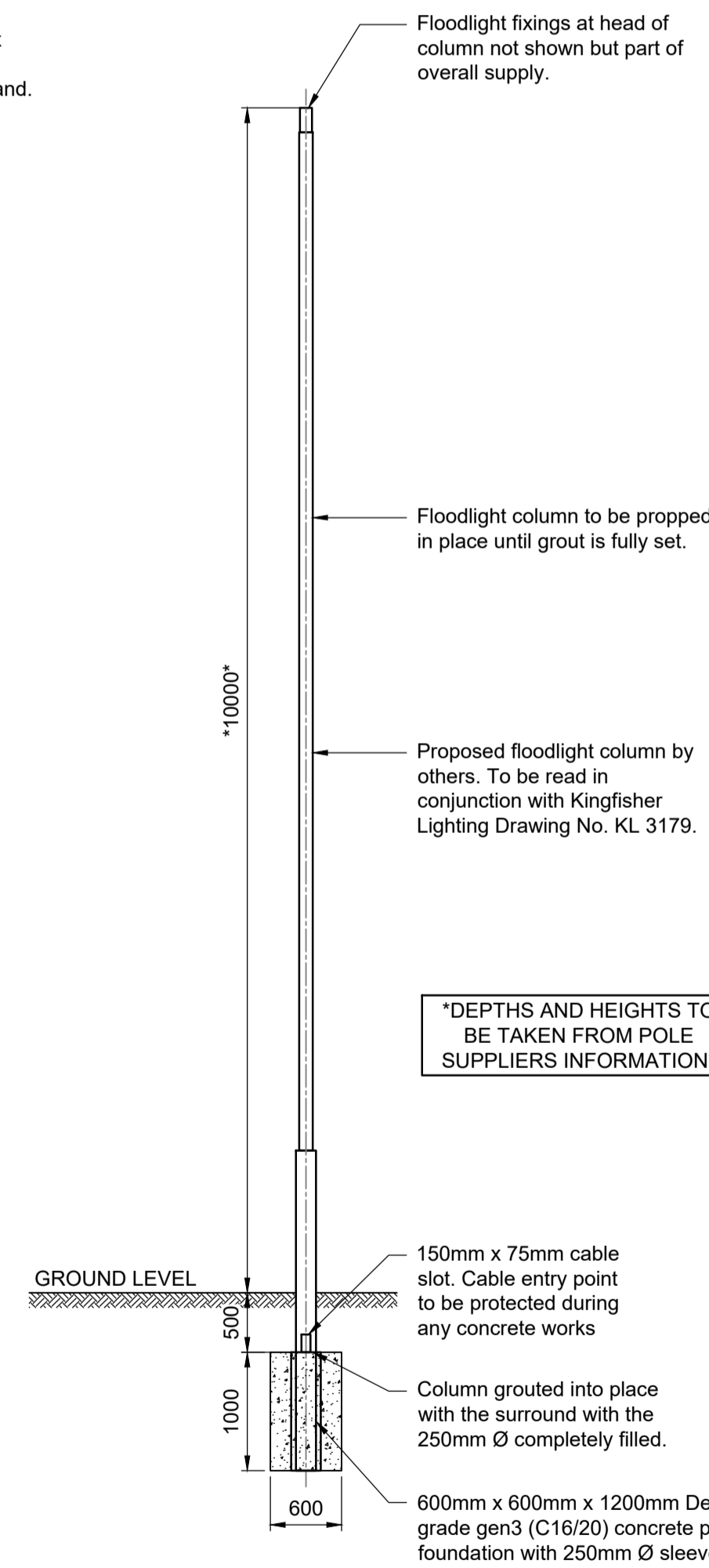
**SECTION A**  
SCALE 1:20



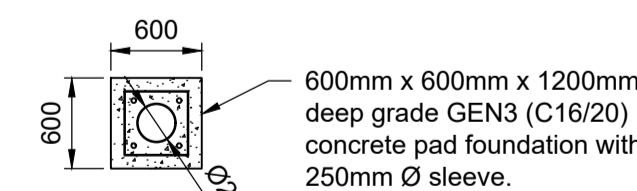
**SECTION B**  
SCALE 1:20



**DETAIL 1**  
SCALE 1:10



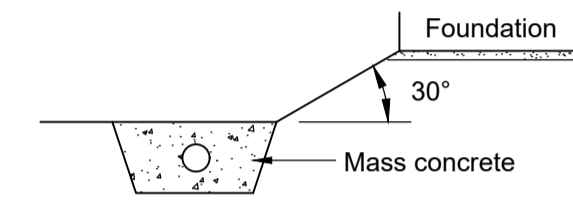
**FLOODLIGHT ELEVATION**  
SCALE 1:50



**FLOODLIGHT BASE PLAN**  
SCALE 1:50

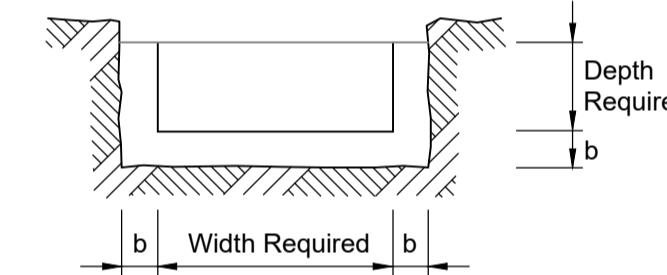
**FOUNDATIONS:-**

- All concrete to be in accordance with C+R's concrete specification.
- All reinforced foundation concrete to be Grade XC2/AC-1 (RC28/35).
- 50mm mass blinding concrete, GEN 1 (C8/10), to be placed under all foundations unless foundation concrete is placed immediately after excavations.
- Foundations have been designed to impose a maximum bearing pressure of 100kN/m<sup>2</sup> on the bearing strata of brown medium dense SANDS & GRAVELS. This strata was encountered in the soil investigation at a depth of 450mm below existing ground level. Where it is found necessary to excavate further to reach the bearing strata or a soft spot is encountered, the foundations are to be stepped down to the bearing strata. Alternatively the difference in levels is to be made up with mass concrete grade GEN 1 (C8/10) (on no account is fill material to be introduced to make up the level difference or to reduce under building depths).
- It should further be ensured that the levels to the underside of the foundations are formed at a minimum depth of 450mm below proposed finished ground level to ensure adequate frost cover is achieved. Additional care should be taken where it is intended to reduce the original ground level to ensure this depth is achieved.
- The SER Design Certificate is issued on the basis that the foundations are formed on the strata described above. Where ground conditions encountered vary from these described above the certifying engineer is to be contacted for further instructions.
- Mass Concrete Backfill: It is essential to check that all ground within a 30° line extending down and away from all foundations is undisturbed or when disturbed is removed entirely and backfilled with mass concrete. Detail A shows a typical method of complying with this requirement which should be checked for all future works in addition to existing works. Alternatively, a lower formation level to the foundation may be achieved by upfilling with GEN 1 (C8/10) mass concrete. In either case the lower formation should be excavated and backfilled before the higher.



**DETAIL A**

- Bottoms of all foundations are subject to the approval of the Local Authority who should be contacted to enable them to carry out an inspection prior to concrete being placed.
- Due cognisance should be taken of the proximity of tree's adjacent to foundations and foundations depths deepened where required in accordance with NHBC Standards, Chapter 4.2 Appendix A.
- Where the width of footing, was excavated, exceeds the dimension shown on the drawing, the Contractor shall either:-
  - Use formwork to limit the width to the value shown.
  - Increase the footing depth by an amount equal to the increase in width, see Detail B below.
  - Provide additional reinforcement in the lower face to the satisfaction of the Engineer.



**DETAIL B**

- Foundations to be reinforced with reinforcing mesh as shown on foundation section details.
- Minimum overlap of mesh reinforcement to be 450mm.
- Concrete cover to all reinforcement to be in accordance with Table A.9 of BS 8500-1. The lowest nominal cover to reinforcement to be as follows.
  - 75mm bottom cover if concrete is cast directly against the soil.
  - 50mm bottom cover if concrete is cast directly against blinding.
  - 75mm side cover if concrete is cast directly against the soil.
  - 50mm side cover if concrete is cast against formwork.
  - 50mm top cover.

**CONCRETE SPECIFICATION:-**

- All concrete construction to be in accordance with BS 8110, BS 8500 and BS EN 206.
- Designated concrete mix specification in accordance with BS EN 206: Part 1: 2004, Tables A.13 & A.14.
- No concrete pour should occur unless the temperature is 3°C and rising. Should low temperatures be expected following a pour, the contractor must take all necessary measures to protect the concrete.
- Concrete cube tests should be taken to check compliance of the mix with the design specification. At least one "sample", should be taken for each type of concrete mix on the day it is placed, prepared to the requirements of BS1881, or as agreed with C+R.
- Reinforcing bars to concrete to be in accordance with BS 4449, and reinforcing mesh to be in accordance with BS 4483.
- Unless noted otherwise, all reinforcement should be "H" high yield deformed bars with a minimum tensile strength of 500N/mm<sup>2</sup>.
- No admixtures are permitted without the prior agreement of C+R.

Issue	Revision	Initial	Date

**Cameron+Ross**  
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Client:  
**ABERDEEN WANDERER'S RUGBY CLUB**

Project:  
**PROPOSED FLOODLIGHT & INDUSTRIAL TENT, GROATS ROAD, ABERDEEN**

Drawing Title:  
**FOUNDATION LAYOUT**

Status:  
**BUILDING WARRANT**

Scale: 1:50 @ A1 Date: 10/11/2023  
By: SAD Checked: MKL Approved: JRA

Dwg. No. 230746-000-CAM-DR-S-100 Rev. -

This drawing has been overmarked with engineering information in relation to relevant warrant application.

Body number - SER1 - DB - 0198

See SER table for SER Certificate Number and Issue Date

SER Certification Table	
Certificate Number	Issue Date
000000	00/00/0000