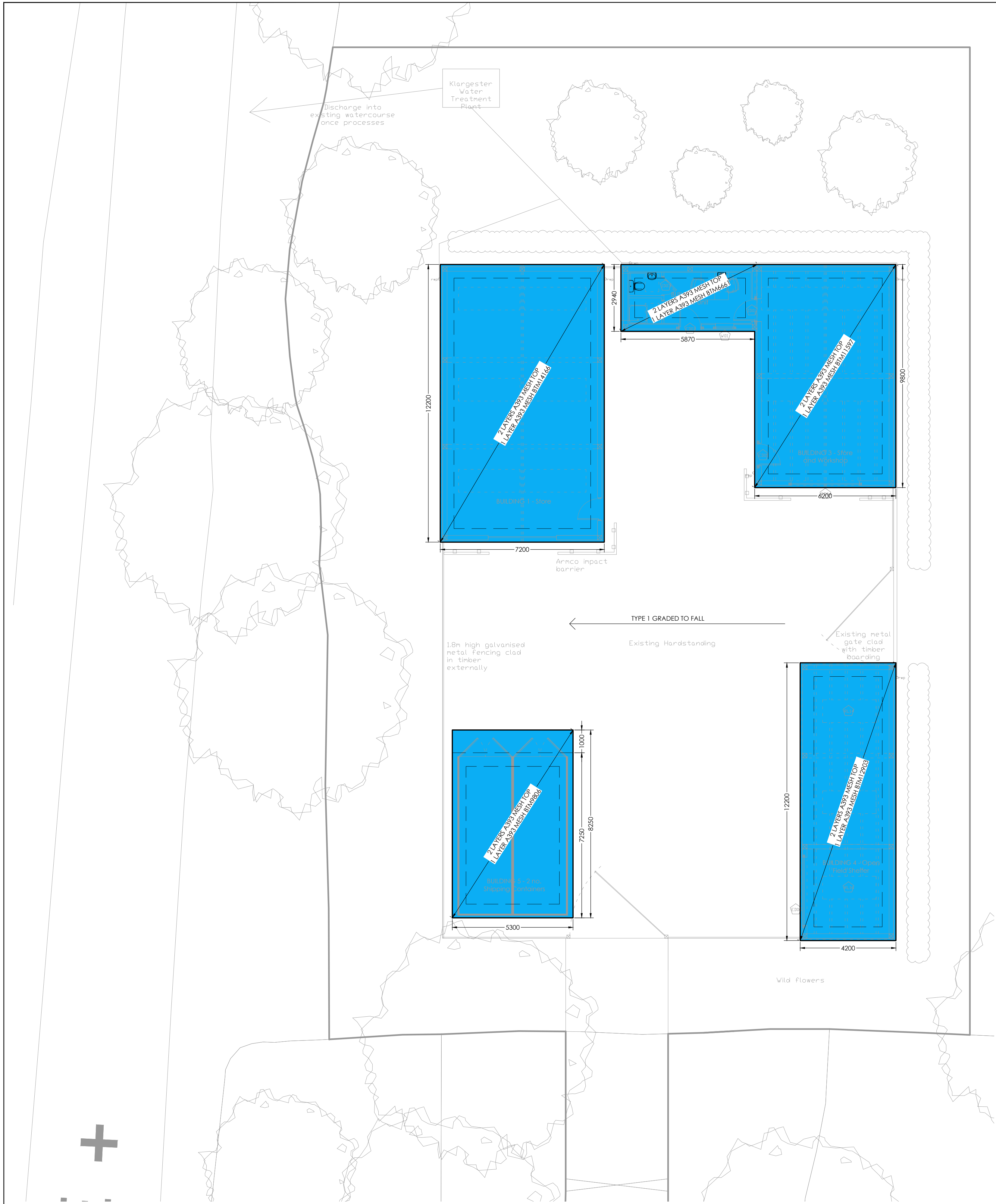




CONCRETE NOTES:

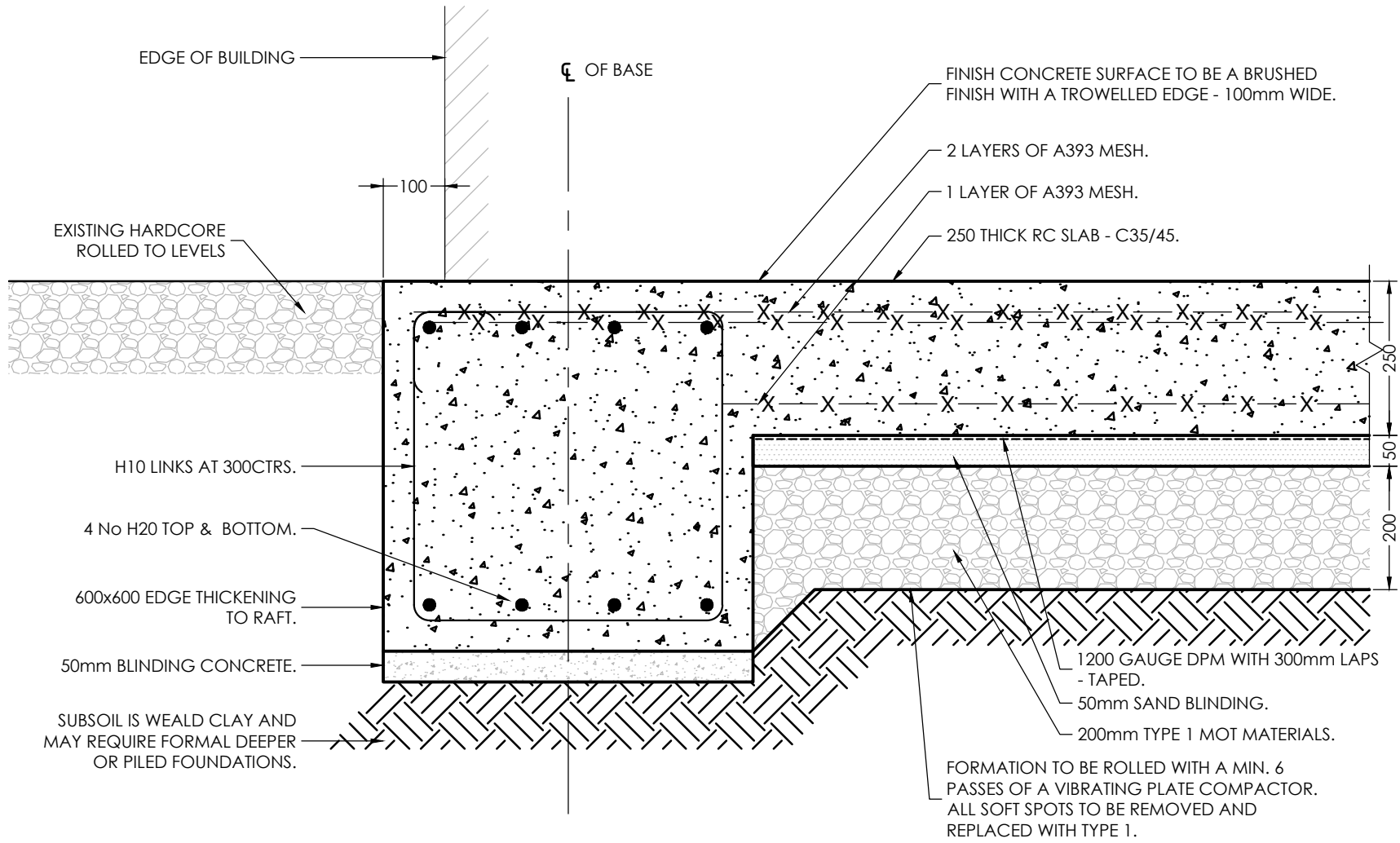
1. ALL CONCRETE TO CONFORM TO BS 8500-2
2. REINFORCED CONCRETE TO BE DESIGNATED MIX RC 28/35 U.N.O. CONCRETE WHICH IS EXPOSED EXTERNALLY IS TO BE DESIGNATED MIX RC 35/45 U.N.O.
3. MASS CONCRETE FOOTINGS / INFILL TO BE MIN DESIGNATED MIX GEN 3
4. SUB-STRUCTURE CONCRETE TO BE DESIGN SULPHATE CLASS DS-1, ACEC CLASS AC-1s.
5. BLINDING CONCRETE TO BE DESIGNATED MIX GEN 1 (1:10 ALL IN) N.C. PADSTONES TO BE DESIGNATED MIX RC 25/30 (1:24 OPC-SAND:AGG BY VOLUME)
6. REFER TO THE ENGINEER'S CONCRETE SPECIFICATION FOR DETAILED INFORMATION ON CONCRETE MIXES / GRADES.
7. PADSTONE WIDTH TO MATCH WALL THICKNESS AND TO BE TO THE SIZES AS SHOWN ON THE DRAWINGS - MIN STRENGTH 20N/mm²
8. CONCRETE COVER TO BE MAINTAINED BY THE USE OF CONCRETE OR PLASTIC SPACERS, PRE-WELDED CHAIRS, STOOLS ETC. BROKEN BRICKS OR TILES ETC. MAY NOT BE USED.
9. PROPOSED CONSTRUCTION METHOD, POURING SEQUENCE AND LOCATION OF CONSTRUCTION JOINTS OF THE SUPERSTRUCTURE AND GROUND FLOOR SLAB ARE TO BE ISSUED TO THE ENGINEER FOR COMMENT MINIMUM 14 DAYS PRIOR TO THE COMMENCEMENT OF WORK.
10. THE ENGINEER IS TO BE NOTIFIED WHEN REINFORCEMENT CAGES ARE AVAILABLE FOR INSPECTION PRIOR TO CONCRETE BEING POURED MINIMUM 7 DAYS NOTICE REQUIRED.
11. BAR REINFORCEMENT TO BE GRADE B500B OR B500C CONFORMING WITH BS 4449 ALL FABRIC REINFORCEMENT TO CONFORM WITH BS 4483
12. ALL REINFORCEMENT SUPPLIERS SHALL HOLD A VALID CERTIFICATE OF APPROVAL FOR MANUFACTURE AND / OR FABRICATION ISSUED BY 'CARES' OR EQUIVALENT
13. IF REINFORCEMENT IS CUT AND BENT BY OTHER THAN A 'CARES' SUPPLIER THE FABRICATOR SHALL COMPLY WITH BS8666 AND OPERATE A QUALITY MANAGEMENT SYSTEM TO BS EN ISO 9001.
14. REFER TO THE ARCHITECT'S DRAWINGS FOR THE SIZE AND LOCATION OF NON-STRUCTURAL RC UPSTANDS.
15. MINIMUM BAR LAPS TO BE AS NOTED ON RC DRAWINGS.
16. MINIMUM BAR ANCHORAGE LENGTHS TO BE AS NOTED ON RC DRAWINGS.
17. CONCRETE CUBES: (WHERE REQUIRED BY ENGINEER)
 - 1 SET OF 4 SHALL BE TAKEN AT THE FOLLOWING FREQUENCY:-
 - SET FOR EACH DAY OF CONCRETING.
 - 1 CUBE SHALL BE CRUSHED AT 7 DAYS & 28 DAYS.
 - THE REMAINING CUBES SHALL BE CRUSHED ONLY IN THE EVENT OF A TEST FAILURE.
 - RESULTS ARE TO BE SUBMITTED TO THE ENGINEER.

GROUND BEARING SLAB:

1. GRANULAR FILL UNDER GROUND FLOOR SLAB TO BE HA TYPE 1 OR 6F2 MATERIAL MINIMUM 300mm THICK AFTER COMPACTION IN MAXIMUM 150mm THICK LAYERS. SUFFICIENT FINES ARE TO BE PRESENT AS TO LEAVE TOP SURFACE SMOOTH AND LEVEL.
2. ALL SURPLUS TOPSOIL, FILL AND DELETERIOUS MATERIAL IS TO BE REMOVED FROM THE SITE. SUB-GRADE TO BE PREPARED TO RECEIVE H.A. TYPE 1 OR 6F2 GRANULAR FILL MECHANICALLY COMPACTED IN ACCORDANCE WITH H.A. SPECIFICATION PT 3.
3. SUB-GRADE IS TO BE PROOF ROLLED WITH 4 PASSES OF AN 8 TONNE ROLLER AND IF SOFT SPOTS ARE ENCOUNTERED, SOIL IS TO BE REMOVED AND FILLED WITH COMPACTED HA TYPE 6F2 GRANULAR FILL IN MAXIMUM 150mm THICK LAYERS UP TO A MAXIMUM OVERALL THICKNESS INCLUDING SUB-BASE OF 600mm.
4. SOFT SPOTS WHICH WOULD GIVE RISE TO A TOTAL DEPTH OF GRANULAR FILL OF GREATER THAN 600mm ARE TO BE FILLED WITH MASS CONCRETE INFILL TO A LEVEL SO AS TO LIMIT THE TOTAL DEPTH OF GRANULAR FILL TO 600mm.
5. ANY EXISTING HARD SPOTS FORMED BY OLD FOUNDATIONS, MANHOLES ETC. ARE TO BE BROKEN DOWN 450mm BELOW UNDERSIDE OF SLAB AND FILLED AS NOTED ABOVE.
6. ENSURE THAT NO SIGNIFICANT OUT OF BALANCE FORCES OCCUR ON MASONRY WALLS DURING THE FILLING PROCESS BY BALANCING FILLING ON EACH SIDE OF THE WALL - REFER TO NHBC OR LABC FOR GUIDANCE.

GENERAL NOTES:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL SPECIFICATIONS AND ALL RELEVANT ARCHITECTS, ENGINEERS, SERVICES AND SPECIALISTS DRAWINGS.
2. SHOULD NOTES GIVEN ON THIS DRAWING DIFFER FROM THE SPECIFICATION CLARIFICATION IS TO BE SOUGHT FROM THE ENGINEER. REFERENCES TO UK BUILDING REGULATIONS, BRITISH, EUROCODE OR OTHER NATIONAL STANDARDS OR CODES OF PRACTICE SHALL APPLY TO THE LATEST RELEVANT PUBLISHED VERSION INCLUDING ANY RELEVANT AMENDMENTS.
3. THE WORKS DESCRIBED AND SPECIFIED ON THIS DRAWING AND ASSOCIATED DRAWINGS SHALL BE UNDERTAKEN IN ACCORDANCE WITH ALL CURRENT HEALTH AND SAFETY LEGISLATION. ALL DUTIES REGARDING THE WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONSTRUCTION DESIGN AND MANAGEMENT (C.D.M.) REGULATIONS 2015.
4. DO NOT SCALE THIS DRAWING. - IF IN DOUBT - ASK
5. ALL DIMENSIONS AND LEVELS SHOWN ON THE DRAWINGS WHICH RELATE TO EXISTING BUILDINGS AND FEATURES ARE BASED ON SURVEY DRAWINGS AND THE CONTRACTOR IS TO SATISFY HIMSELF THAT DIMENSIONS, LEVELS ETC. ARE SUFFICIENTLY ACCURATE AND COMPLETE FOR FABRICATION, WITHIN THE SPECIFIED TOLERANCES, OF ALL PREFABRICATED ELEMENTS.
6. ALL LEVELS ARE RELATED TO THE DATUM. WHERE THIS DATUM IS UNCLEAR CLARIFICATION SHOULD BE SOUGHT FROM THE ARCHITECT. THE CONTRACTOR SHALL, AT THE OUTSET, ESTABLISH WITH THE LOCAL AUTHORITY, THEIR REQUIREMENT FOR INSPECTING THE WORKS, AND ADHERE TO THESE.
7. WHERE A SEQUENCE OR METHOD OF CONSTRUCTION IS NOTED ON A DRAWING, IT SHOULD BE ADHERED TO AND ANY VARIATION TO THIS SHOULD BE AGREED IN ADVANCE WITH THE ENGINEER.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL TEMPORARY WORKS AND IS TO SUBMIT FULL PROPOSALS TO THE ENGINEER MINIMUM 14 DAYS PRIOR TO COMMENCING WORKS. ANY CHECKING UNDERTAKEN BY THE ENGINEER DOES NOT ALLEViate THE OVERALL RESPONSIBILITY OF THE CONTRACTOR FOR THE TEMPORARY STABILITY OF THE WORKS.
9. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES PRIOR TO ANY WORKS COMMENCING.
10. REFER TO ARCHITECTS DRAWINGS FOR ALL NON-STRUCTURAL WATERPROOFING AND WEATHERING DETAILS ETC.
11. FURTHER NOTES APPEAR ON HOCKLEY & DAWSON DRAWINGS, WHICH ARE IN ADDITION TO THOSE WHICH APPEAR ON THIS DRAWING.
12. ALL PROPRIETARY PRODUCTS ARE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
13. ALL CONSTRUCTION PRODUCTS USED IN THE WORKS ARE TO CARRY THE CE MARK IN ACCORDANCE WITH THE CONSTRUCTION PRODUCTS REGULATIONS (CPR).
14. REFER TO THE ARCHITECT'S DRAWINGS FOR ALL DIMENSIONS, LEVELS AND SETTING OUT.
15. **U.N.O.:** MEANS UNLESS NOTED OTHERWISE



RAFT EDGE SECTION
1:10

NOTE:
DESIGN IS FOR TENDER AND
SUBJECT TO SITE INVESTIGATION
RECOMMENDATIONS/FINDINGS.

rev	description	date
Hockley & Dawson Consulting Engineers Hockley & Dawson Consulting Engineers Limited Telephone 01483 548784 admin@hockleyanddawson.co.uk www.hockleyanddawson.co.uk 5 Birtley Courtyard Bramley Surrey GU5 0LA		
project SNOXHALL FIELDS MACHINE SHED PROJECT CRANLEIGH		
drawing title STRUCTURAL SCHEME RAFT FOUNDATIONS TENDER ISSUE © COPYRIGHT		
Drawn DH	Checked CS	
Date Oct 2025	Scale As stated at A1	
Job No 22277	Dwg No 1 01	Rev