

NOTES

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS, TOGETHER WITH THE GROUND INVESTIGATION REPORT.
- CONCRETE AND WORKMANSHIP TO BE IN ACCORDANCE WITH BS 8110 AND BS 8500.
- CONCRETE TO BE A DESIGNED MIX SUPPLIED IN ACCORDANCE WITH THE RELEVANT CLAUSES OF BS 8500 PARTS 1 AND 2: 2002. MIX DESIGNS TO BE SUBMITTED FOR ACCEPTANCE PRIOR TO COMMENCEMENT OF WORK.
- CONCRETE TO REINFORCED GROUND BEAMS (UNLESS NOTED OTHERWISE) TO BE GRADE C32/40 HAVING A MINIMUM CHARACTERISTIC STRENGTH OF 40N/mm². A MINIMUM PORTLAND CEMENT OF 300kg/m³. CONSISTENCY CLASS TO BE S3 AND A MAXIMUM FREE WATER CEMENT RATIO OF 0.55. MAXIMUM AGGREGATE SIZE TO BE 20mm TO BS882. BLINDING CONCRETE TO BE GRADE C12/15, HAVING A MINIMUM CHARACTERISTIC STRENGTH OF 15N/mm², AND A MAXIMUM CEMENT CONTENT OF 200kg/m³.
- GENERAL CONTRACTOR TO LOCATE AND MARK POSITION OF EXISTING FOUNDATIONS, BURIED OBSTRUCTIONS AND SERVICES PRIOR TO COMMENCEMENT OF EXCAVATION OR PILING WORKS.
- GENERAL CONTRACTOR TO SURVEY 'AS-BUILT' PILE POSITIONS AND INFORM ENGINEER OF OUT OF POSITION PILES NOT LESS THAN 7 DAYS PRIOR TO CONCRETING PILE CAPS AND GROUND BEAMS.
- PILE CUT OFF LEVEL TO BE AS NOTED ON DETAILED SECTIONS.
- PILES TO HAVE MINIMUM SAFE WORKING LOAD OF **250 kN**. CALCULATIONS TO BE SUBMITTED BY PILING SUB CONTRACTOR FOR COMMENTS 10 DAYS BEFORE INSTALLATION. MINIMUM PILE DIAMETER TO BE AS NOTED ON DRAWING. PILES TO BE FULLY CONCRETE FILLED TO ACHIEVE SAFE WORKING LOAD. DIRECT BEARING OF STEEL PILE WALL OF 'HEAVY WALL' STEEL PILES INTO UNDERSIDE OF PILE CAP IS NOT PERMITTED DUE TO LOCAL COMPRESSIVE STRESS OF THE C35 GRADE CONCRETE.
- MINIMUM PILE DESIGN FACTOR OF SAFETY TO BE 2.5
- PILE REINFORCEMENT TO BE FULLY TIED INTO GROUND BEAM/PILE CAP REINFORCEMENT TO ACHIEVE FULL LAP LENGTH OF 40 x REINFORCEMENT BAR DIAMETER.
- MINIMUM COVER TO REINFORCEMENT TO BE 50mm (unless noted otherwise).
- MINIMUM LAPS TO BE 40x BAR DIAMETER. Eg. FOR H16's LAP = 640mm.
- GROUND BEAMS TO BE SET CONCENTRICALLY ABOUT GRID LINES AND/OR WALL CENTRE LINES (UNLESS NOTED OTHERWISE) WITH TOP OF CONCRETE SET AS NOTED.

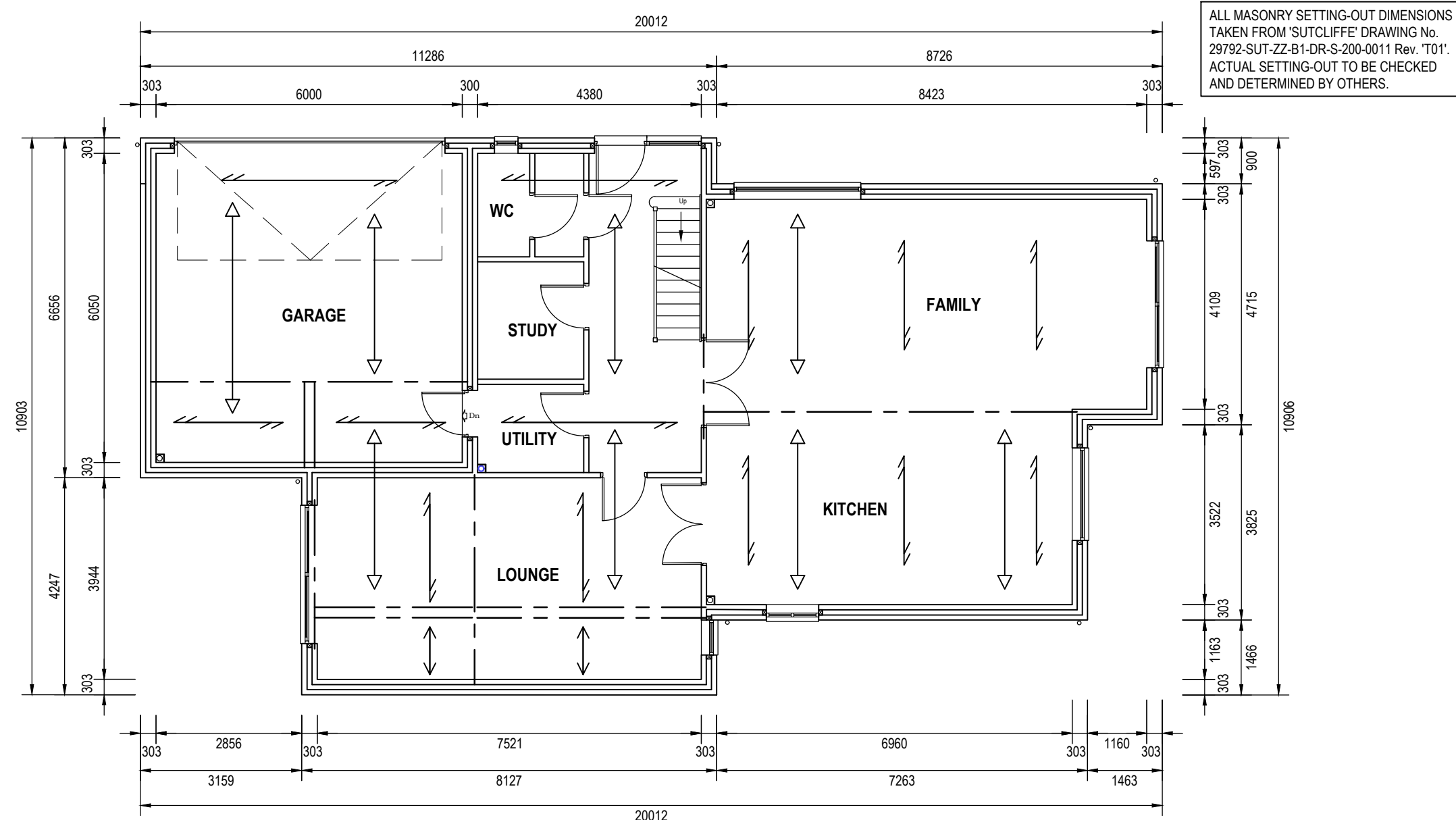
NOTE:
ALL SETTING-OUT AND RELATIVE LEVELS etc. TO BE CONFIRMED BY ARCHITECT / BUILDER.

FOR DERIVATION OF LOADINGS THE FOLLOWING SPAN DIRECTIONS FOR STRUCTURAL ELEMENTS HAS BEEN ADOPTED:

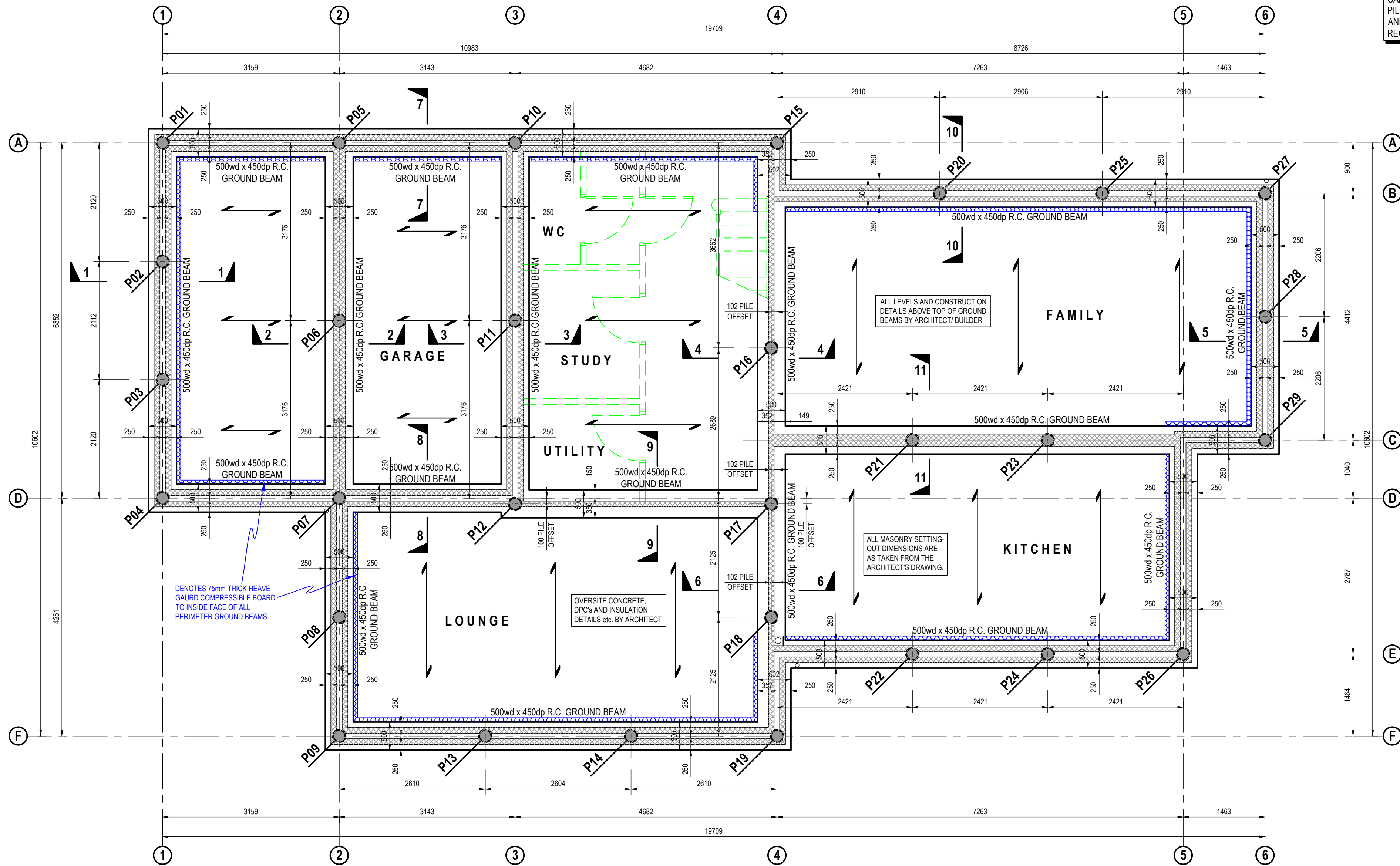
- DENOTES SPAN DIRECTION OF PRECAST CONCRETE BEAMS TO BEAM AND BLOCK GROUND FLOOR CONSTRUCTION.
- DENOTES SPAN DIRECTION OF TIMBER ROOF TRUSSES TO ROOF CONSTRUCTION.
- DENOTES SPAN DIRECTION OF TIMBER JOISTS TO FIRST FLOOR CONSTRUCTION.
- DENOTES SPAN DIRECTION OF TIMBER JOISTS TO FLAT ROOF CONSTRUCTION.

PRIOR TO COMMENCEMENT CONTRACTOR TO BE FULLY AWARE OF ALL EXISTING DRAIN / SERVICE / ELECTRIC CABLE RUNS ACROSS AREA OF PROPOSED WORKS. WHOLE AREA TO BE CAT SCANNED AND EXCAVATIONS TO BE HAND DUG TO AVOID ANY POSSIBLE PROBLEMS.

NOTE:
ALL PILES TO ACHIEVE A MINIMUM SAFE WORKING LOAD (S.W.L.) OF **250 kN**. PILE CALCULATIONS TO BE SUBMITTED BY PILING SUB-CONTRACTOR FOR COMMENT AND TO LOCAL AUTHORITY FOR BUILDING REGULATIONS APPROVAL.



PROPOSED GROUND FLOOR PLAN SHOWING ARCHITECTS MASONRY SETTING-OUT
SCALE 1:100



PROPOSED FOUNDATION GENERAL ARRANGEMENT LAYOUT
SCALE 1:50

PROJECT PROPOSED DETACHED DWELLING 2 ASHBY ROAD EAST BURTON-UPON-TRENT, DE15 0PT				
TITLE PROPOSED FOUNDATION GENERAL ARRANGEMENT LAYOUT				
PROJECT No. 2023/306	DRAWING No. 01	AMENDMENT -	DATE DRAWN 26 OCT 23	DRAWN BY CD
Amendment Note			Date Revised	

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