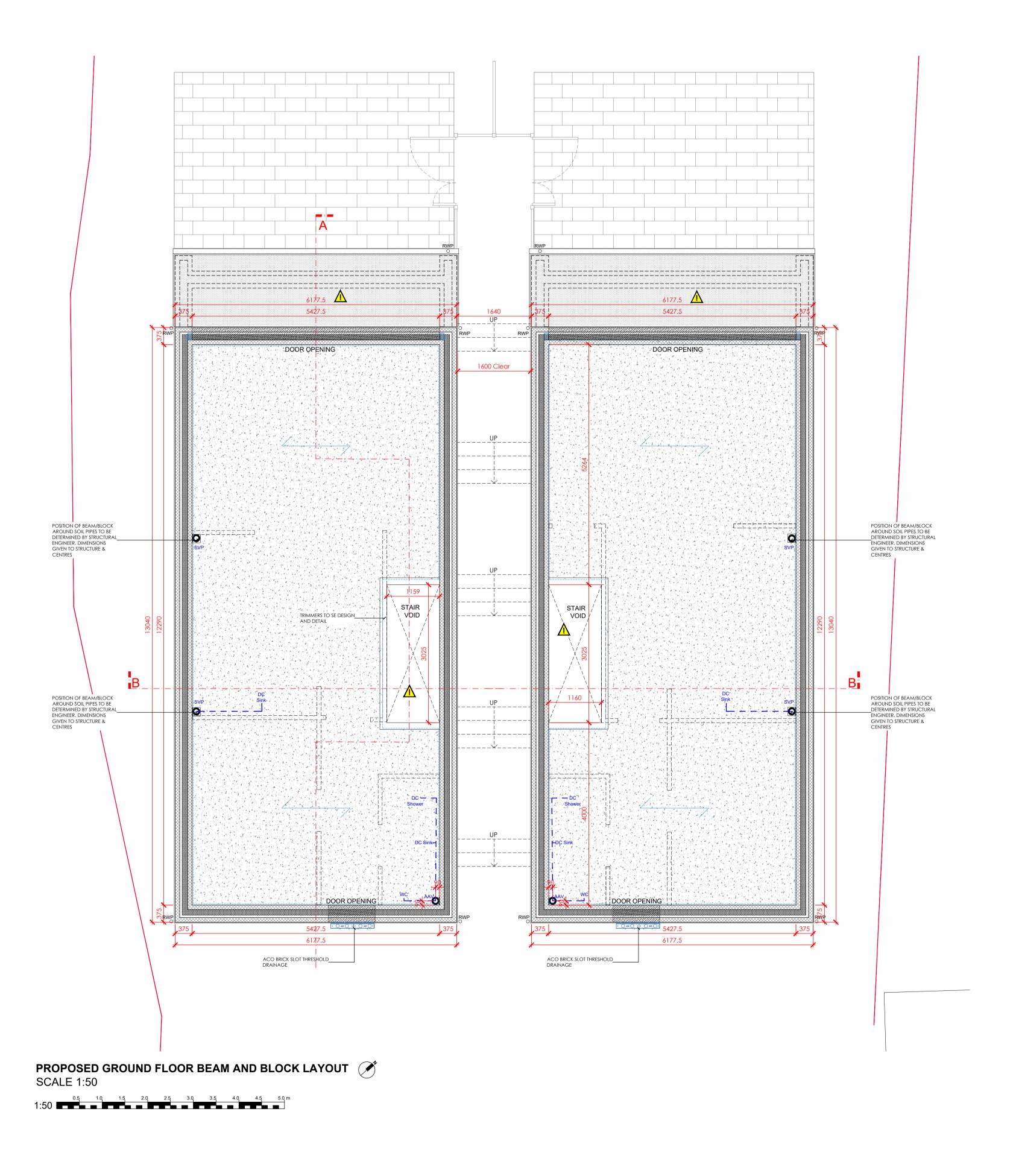


DENOTES PROPOSED

DENOTES PROPOSED DRAINAGE RUNS

DIRECTION OF FLOOR BEAMS



DRAFT - SUBJECT TO REVIEW BY BUILDING CONTROL & STRUCTURAL ENGINEER. TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEER'S DOCUMENTATION

INTERMEDIATE FLOORS

- PCC BEAMS TO BE SUPPLIED AND FIXED TO BEAM MANUFACTURER'S PLAN, LAYOUT AND DETAILS (DETAILS AND CALCULATIONS TO BE SENT TO BUILDING CONTROL FOR APPROVAL BEFORE WORKS COMMENCE). BEAM TO HAVE A MINIMUM BEARING OF 100MM ONTO LOAD BEARING WALLS.
- PROVIDE CONCRETE BLOCKS TO BS EN 772-2, WET AND GROUT ALL JOINTS WITH 1:4 CEMENT/SAND MIX.
- PROVIDE DOUBLE BEAMS BELOW NON-LOAD BEARING PARTITIONS.
- INTERMEDIATE FLOORS SHOULD HAVE A LAYER OF INSULATION TO REDUCE DOWNWARDS HEAT TRANSMISSION WITH A THERMAL RESISTANCE OF NOTLESS THAN 0.75(M2 -K)/W
- LAY 25MM KINGSPAN K 103 FLOOR INSULATION OVER BEAM AND BLOCK FLOOR APPLIED AS A RIGID MATERIAL.
- 25MM INSULATION TO CONTINUE AROUND FLOOR PERIMETERS TO AVOID THERMAL BRIDGING. JOINTS BETWEEN INSULATION BOARDS TO BE PROPERLY TAPED TO PREVENT SEEPAGE OF SCREED.
- LAY 500G SEPARATING LAYER OVER INSULATION AND PROVIDE 75MM SAND/CEMENT SCREED OVER AND PREPARE FOR FLOOR FINISHES AS REQUIRED.
- SCREEDS TO BE ISOLATED AT ALL EDGES, ABUTMENTS AND COLUMNS TO ALLOW FOR MOVEMENT DUE TO
- THERMAL LOADINGS. JOINTS TO BE FILLED WITH A SUITABLE FLEXIBLE FILLER. GROUT MUST NOT BE USED. THE MANUFACTURERS' GUIDANCE FOR BOTH THE FLOOR SCREED AND THE TILING MUST BE FOLLOWED TO DETERMINE
- THE MINIMUM THICKNESS OF EDGE STRIP REQUIRED TO ALLOW FOR EXPANSION. ALLOW 75MM SERVICE VOID BELOW BEAM AND BLOCK FLOOR AND FINISH WITH 15MM GYPROC FIRELINE PLASTERBOARD AND 3MM SKIM READY TO RECEIVE DECORATION.

- UNDERFLOOR HEATING INSTALLATION TO BE DESIGNED AND SPECIFIED AS AN INTEGRATED PACKAGE BY THE
- SYSTEM MANUFACTURER TO ENSURE COMPATIBILITY OF ALL THE COMPONENTS. PIPEWORK LOOPS DESIGN, LAYOUT AND SIZING OF THE SYSTEM TO BE IN ACCORDANCE WITH BS EN 1264[1-5]. THE MOST APPROPRIATE LAYOUT FOR A PARTICULAR APPLICATION SHOULD BE CONFIRMED BY THE SYSTEM
- MANUFACTURER. MAXIMUM FLOOR TEMPERATURE TO BE 29°C, OR 27°C WHERE FLOOR TILING OR RESILIENT FLOOR IS PROPOSED IN
- COMPLIANCE WITH BS EN1264-2[1]. PIPEWORK TO BE INSTALLED DIRECTLY TO RIGID INSULATION USING PROPRIETARY CLIP RAILS AND CLIPS. SPACED
- IN ACCORDANCE WITH PIPE LAYOUT DESIGN.
- PIPEWORK LOOPS TO BE CHARGED WITH WATER AND PRESSURE TESTED PRIOR BEFORE SCREED IS POURED. PIPEWORK LOOPS LEADING TO AND FROM THE MANIFOLDS TO BE KEPT FREE OF ANY SHARP BENDS THAT COULD RESTRICT THE FREE FLOW OF WATER. WHERE 90° BENDS ARE REQUIRED, METAL FORMERS TO BE USED TO PREVENT
- TWISTING AND CONSTRICTION. ALL JOINTS BETWEEN THE MANIFOLD AND PIPEWORK LOOPS ARE TO BE ACCOMMODATED ABOVE THE LEVEL OF SCREED. NO JOINTS TO BE EMBEDDED IN THE SCREED.
- PIPEWORK LOOPS SHOULD NOT EXTEND RIGHT TO THE EDGE OF THE FLOORS AND UNDER THE SKIRTING BOARDS. PIPEWORK FIXINGS TO MAINTAIN THE INTEGRITY OF THE INSULATION AND OTHER MATERIALS.
- EACH ROOM SHOULD BE PROVIDED WITH THERMOSTATIC ROOM CONTROLS, CAPABLE OF BEING USED TO
- SEPARATELY ADAPT THE HEATING OUTPUT IN EACH ROOM SERVED BY THE HEATING APPLIANCE.
- LABELLING TO BE PROVIDED TO ENABLE EFFECTIVE INSPECTION, COMMISSIONING, MAINTENANCE AND REPAIRS OF THE UNDERFLOOR HEATING INSTALLATION AND TO IDENTIFY THE ROOMS TO WHICH INDIVIDUAL PORTS OF THE MANIFOLD ARE CONNECTED.
- ALL INSTALLED EQUIPMENT IN UNDERFLOOR HEATING SYSTEMS TO BE COMMISSIONED IN ACCORDANCE WITH BS EN 1264-4 BEFORE FLOOR FINISH IS APPLIED.

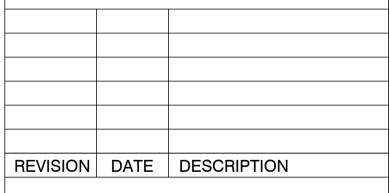
BUILDING REGULATIONS

THIS DOCUMENT DOES NOT CONSTITUTE A WORKING DRAWING AND HAS BEEN PREPARED FOR PRICING & BUILDING REGULATIONS APPROVAL ONLY. NO LIABILITY IS ACCEPTED FOR ANY LOSS OF ANY SORT OR ADDITIONAL EXPENSE INCURRED CONSEQUENT ON ANY FAILURE, REAL OR ALLEGED, OF THE DRAWINGS AND SPECIFICATION.

SPECIALIST SUPPLIERS/SUBCONTRACTORS TO SUBMIT DRAWINGS AND DETAILS TO FREDRICK ADAM ARCHITECTS FOR APPROVAL PRIOR TO MANUFACTURE/CONSTRUCTION

do not scale from drawings. Work to figured dimensions. Al DIMENSIONS ARE TO BE CHECKED ON SITE PRIOR TO FABRICATION OF COMPONENTS / SETTING OUT. REPORT ANY DISCREPANCIES TO FREDRICK ADAM IMMEDIATELY.

LAND TO THE REAR OF DEERHURST Mr and Mrs P Wheeler The Shrave Four Marks, Hampshire, GU34 5BH



PROJECT NO: FA-R-20-17

MODEL FILE: HBR DRAWN BY:

TAD CHK'D BY:

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SHEET TITLE

B002 Ground Floor Beam and **Block Layout**

FA-R-20-17

Scale: 1: 50 @ A1

