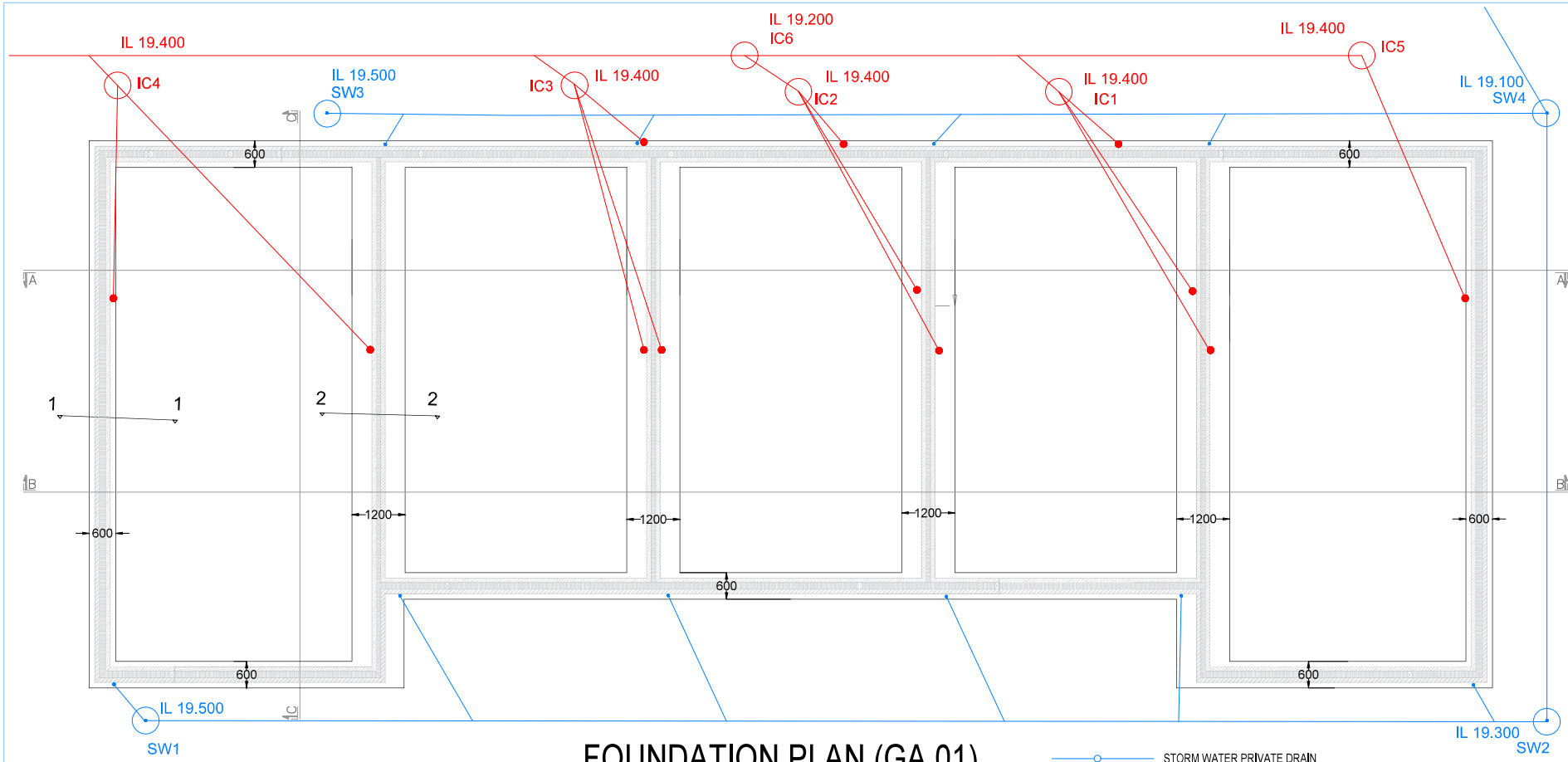


FOUNDATION PLAN (GA 01)

SCALE 1:50

STORM WATER PRIVATE DRAIN

FOUL WATER PRIVATE DRAIN / SEWER

MASONRY – GENERAL

1. ALL BRICKWORK BELOW DPC LEVEL IS TO BE A MINIMUM COMPRESSIVE STRENGTH OF 27N/mm² AND MAXIMUM WATER ABSORPTION OF 7%.
2. ALL BLOCKWORK BELOW DPC LEVEL IS TO BE DENSE SOLID BLOCK WITH NO VOIDS AND A MINIMUM COMPRESSIVE STRENGTH OF 10N/mm² AND A MAXIMUM WATER ABSORPTION RATE OF 7%.
3. ALL MORTAR BELOW DPC LEVEL IS TO BE 1:3 CEMENT: SAND (GRADE 2). NO ADDITIVES WILL BE PERMITTED WITHOUT THE PRIOR WRITTEN CONSENT OF THE ENGINEER.
4. ALL BRICKWORK ABOVE DPC LEVEL IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 7.0N/mm² AND A MAXIMUM ABSORPTION RATE OF 12%.
5. ALL BLOCKWORK ABOVE DPC LEVEL IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 7N/mm².
6. CAVITY WALL TIES TO HAVE A MINIMUM EMBEDMENT OF 50mm INTO MORTAR JOINT IN EACH LEAF, WITH MINIMUM TIE LENGTH AS PER TABLE 6 BS.5628 PART 1.
7. ALL MORTAR ABOVE DPC LEVEL FOR BLOCKWORK IS TO BE 1:3 CEMENT:LIME:SAND, NO ADDITIVES WILL BE PERMITTED WITHOUT THE PRIOR WRITTEN CONSENT OF THE ENGINEER.
8. ALL WALL TIES TO BE STAINLESS STEEL AND SHALL BE IN ACCORDANCE WITH BS.1243 OR MEET WITH THE REQUIREMENTS OF DD140 PART 2.
9. WALL TIES TO BE AT 45mm VERTICAL AND 900mm HORIZONTAL CENTRES, AROUND OPENINGS AND VERTICAL UN-BONDED OR RETURNED EDGES TIES SHALL BE PROVIDED AT 225mmVERTICAL CENTRES AND WITHIN 225mm OF THE EDGE.
10. NO INDIVIDUAL BLOCK WEIGHT SHALL EXCEED 20kg.
11. LOCATION OF MOVEMENT JOINTS TO ARCHITECTS DETAIL.
12. PROPRIETARY LINTELS BY SPECIALIST MANUFACTURER.
13. ALL TIES FIXED TO STEELWORK TO BE ELECTRONICALLY ISOLATED USING NEOPRENE ISOLATION SLEEVES, TIES TO BE FIXED TO STEELWORK USING BOLTS OR SELF-TAPPING SCREWS TO THE MANUFACTURER'S SPECIFICATION.
14. TIES SPACING IS 450mm C/C VERTICALLY AND 900mm C/C HORIZONTALLY

TIMBER

1. ALL TIMBER SHALL BE MINIMUM GRADE C24 UNO
2. ALL TIMBERS SHALL HAVE A MOISTURE CONTENT LESS THAN 18% UNO
3. TIMBER TO BE CLEARLY MARKED WITH GRADE.
4. ALL TIMBER SHALL COMPLY WITH BS.5268.
5. PRESERVATIONS TO BE AN ORGANIC SOLVENT WITH COLOURING AGENT APPLIED AFTER MACHINING BUT PRIOR TO FABRICATION. APPLICATION IS TO BE BY DOUBLE VACUUM TREATMENT BY APPROVED SPECIALIST.
6. CONNECTION PLATES TO BE MINIMUM 18 GAUGE, GALVANISED TO BS.719.
7. ALL MECHANICAL FIXINGS, NAILS, SCREWS ETC. TO BE GALVANISED OR SHERADISED.
8. ALL TIMBER TO BE ADEQUATELY PROTECTED ON SITE AGAINST DAMAGE AND WEATHER.
9. CERTIFICATES OF TIMBER GRADES AND PRESERVATIVES TO BE SUBMITTED TO THE ENGINEER.
10. ALL LONGITUDINAL BRACE, DIAGONAL RAFTER BRACE & WIND BRACE TO BE DESIGNED AND ERECTED BY THE TIMBER TRUSS MANUFACTURER.
11. THE CONTRACTOR SHALL ENSURE STABILITY OF WALLS UNTIL FIXING OF ROOF TIMBERS HAS BEEN COMPLETED.

STEELWORK

All steel work to be designed in accordance with BS 5950 part 1, 2000 unless stated otherwise; all steel shall be to BSEN 10025, GRADE S335 unless noted otherwise.

The subgrade shall be in accordance with table 1, 5 and 6 of BS 5950 (K=1 unless noted otherwise for external and/or internal use, to suit the plate thickness provided.

All bolts shall be grade 8.8

All other welds to be fabricated girders or columns to be fully penetration, full strength butt weld unless specified otherwise.

All other weld shall be a minimum of 6mm fillet, except where specified otherwise.

All welds are to be full profiles and continuous.

All End plates / Capping plates to be F,S,B,W to RHS,CHS with plates edges prepared.

All End plates / Capping plates to be profield to shape of section.

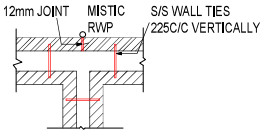
All End plates to be a laminar free material.

F,S,B,W denotes full penetration, full strength butt weld.

At beam to column connections, the centre line of the column shall coincide with the centre line of the beam unless noted otherwise.

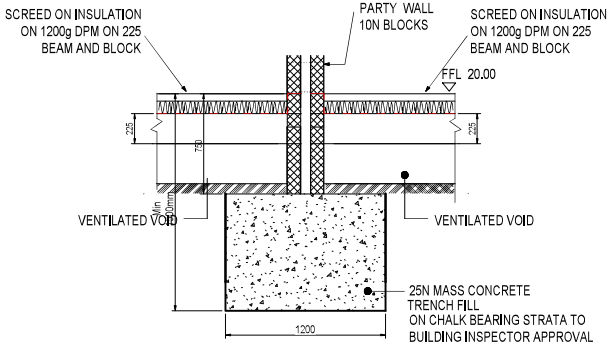
The steelwork Contractor shall be responsible for surveying the existing adjacent/surrounding structure in order to establish the final position and setting out of the steelwork, which shall be agreed with the engineer prior to fabrication drawings commencing.

Paint protection to be concordance with the structural steelwork specification G10.



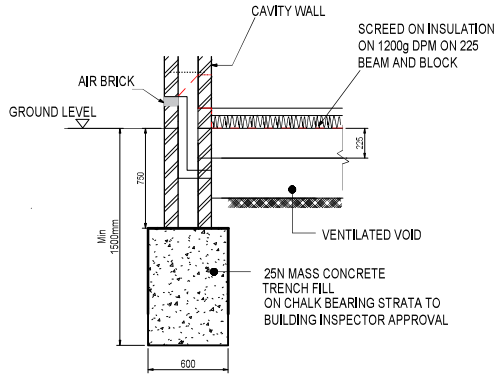
MASONRY MOVEMENT JOINT

SCALE 1:20



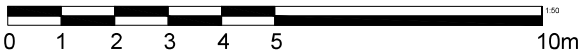
SECTION 2-2

SCALE 1:20



SECTION 1-1

SCALE 1:20



GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING, ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING.

2-28 Campbell Road, Gravesend, DA11 OJY

Drawn by **MI**

Checked by **SK**

ISSUED FOR CONSTRUCTION
20/01/25

PROJECT: 2-28 Campbell Road

CLIENT: HM

FOUNDATION PLAN

DRAWING REF: GA01

REV

Project Ref:

Scale @ A1: 1:50

Date: JAN 2025

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