

HEALTH & SAFETY
(CDM REGULATIONS 2015)
RESIDUAL RISK ITEMS

FOLLOWING COMPLETION OF OUR RISK ASSESSMENT (SEE SEPARATE DOCUMENT) WE LIST BELOW THE PRINCIPLE RESIDUAL RISK ITEMS WHICH WE BELIEVE TO BE ASSOCIATED WITH THIS PROJECT REGARDING THE STRUCTURAL ENGINEERING DESIGN WORK

1. EXISTING BURIED SERVICES - ESTABLISH LOCATIONS PRIOR TO COMMENCEMENT OF EXCAVATIONS
2. DEEP EXCAVATIONS - NO ACCESS WITHOUT ADEQUATE PROPPING.
3. CONTRACTOR TO ENSURE TEMPORARY SUPPORT TO NEIGHBORING PROPERTIES.

NOTES

1. DO NOT SCALE THIS DRAWING. IF IN DOUBT ASK.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT'S & ENGINEERS DETAILS & SPECIFICATIONS.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE. ALL LEVELS IN METRES UNLESS NOTED OTHERWISE.
4. ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
5. ALL WORKS TO COMPLY WITH THE RELEVANT STANDARDS, CODES OF PRACTICE AND THE BUILDING REGULATIONS.
6. DPM, DPC AND VOID VENTILATION ALL TO ARCHITECTS SPECIFICATION.
7. FOUNDATIONS TO ALL WALLS TO BE SET OUT CENTRALLY TO WALL ABOVE GROUND FLOOR WIDTHS AS NOTED ON PLAN.
8. CONCRETE GRADE FOR MASS CONCRETE FOUNDATIONS TO BE GEN 3, IN ACCORDANCE WITH BS:8500.
9. IN ACCORDANCE WITH BRE SPECIAL DIGEST 1 (SD1:2005) ENTITLED 'CONCRETE IN AGGRESSIVE GROUND' A DESIGN SULPHATE CLASS FOR THE SITE OF DS-1 IS RECOMMENDED. USING SD1 AN ACEC (AGGRESSIVE CHEMICAL ENVIRONMENT FOR CONCRETE) CLASS OF AC-1 IS RECOMMENDED.
10. FOUNDATION EXCAVATIONS ARE TO BE INSPECTED FOR ANY ORGANIC, SOFT, LOOSE OR OTHERWISE UNSUITABLE MATERIALS. DEPTH OF FOUNDATION TO BE INCREASED TO FOUND IN UNDISTURBED SOILS MINIMUM OF 300 mm BELOW SUCH MATERIALS.
11. ANY EXISTING FOUNDATIONS & SLABS WITHIN THE FOOTPRINT OF NEW FOUNDATIONS TO BE BROKEN OUT & NEW FOUNDATIONS TO BE TAKEN MIN. 300 mm BELOW ANY DISTURBED GROUND.
12. WHERE FOUNDATIONS ARE CONSTRUCTED ON DIFFERING BEARING STRATA, B785 MESH REINFORCEMENT IS TO BE PLACED TOP AND BOTTOM IN THE FOUNDATION (75 mm COVER). THE MESH IS TO EXTEND 2.0m ON EACH SIDE OF THE SOIL TRANSITION ZONE.
13. FOUNDATIONS TO BEAR INTO VIRGIN SAND/SANDSTONE WITH A MINIMUM SAFE BEARING PRESSURE OF 100 kN/m². FOUNDATION DEPTHS INCREASED AS REQUIRED TO BEAR MIN. 300mm BELOW ANY ACTIVE ROOT GROWTH, ANY EXISTING DRAINAGE OR ANY OTHER UNDERGROUND OBSTRUCTIONS.
14. ALL FOUNDATION DEPTHS ARE TO BE A MINIMUM OF 1.0m BELOW LOWER OF EXISTING OR PROPOSED GROUND LEVELS OR AS SHOWN ON PLAN BUT ARE SUBJECT TO FINAL INSPECTION ON SITE BY BUILDING CONTROL. IF ACTIVE ROOT GROWTH IS APPARENT AT FOUNDING LEVEL THEN THE FOUNDATION MUST BE DEEPENED TO EXTEND 300mm BELOW ANY ACTIVE ROOTS. FOUNDATIONS MUST ALSO BE TAKEN A MINIMUM OF 300mm BELOW ANY FILL MATERIAL.
15. WHERE A FOUNDATION PASSES CLOSE TO A SEWER, DRAIN TRENCH OR TRIAL PIT THE FOUNDATION IS TO BE SUCH THAT IT'S UNDERSIDE IS BELOW A LINE PROJECTED UP AT 45° FROM THE NEAREST BOTTOM CORNER OF THE DRAIN TRENCH, SEWER OR TRIAL PIT.
16. MASONRY BELOW GROUND TO BE MINIMUM CLASS 3 (FL) QUALITY BRICKWORK OR APPROVED BLOCKWORK (7N MIN.) SET IN CLASS 2 MORTAR, (1 IN 3).
17. FOR LOCATION OF SERVICES THROUGH FLOOR/WALLS REFER TO ARCHITECT'S/SERVICE ENGINEER'S DETAILS.
18. FOR SETTING OUT OF WALLS REFER TO ARCHITECTS DRAWINGS.
19. INTERNAL WALL LININGS, CONDENSATION CONTROL, INSULATION, VENTILATION AND DPC'S BY OTHERS.
20. PROVIDE PERISCOPE VENTS TO ALL EXTERNAL WALLS & PROVIDE AIR BRICKS IN INTERNAL CROSS WALLS. (REFER TO ARCHITECT'S DRAWINGS FOR FULL DETAILS).
21. BEAM & BLOCK FLOORS TO BE DESIGNED FOR THE FOLLOWING LOADS BY SPECIALIST :-

FINISHES	1.8kN/m ²
BLOCK PARTITIONS (LINE LOADS)	4.0kN/m
IMPOSED LOAD	1.5kN/m ²

DETAILS/CALCULATIONS TO BE SUBMITTED TO PMA FOR COMMENT PRIOR TO MANUFACTURE.

PRELIMINARY ISSUE
FOR PRICING PURPOSES ONLY

THIS DRAWING INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT.

Rev	Date	Description
-	09/12/24	FIRST ISSUE

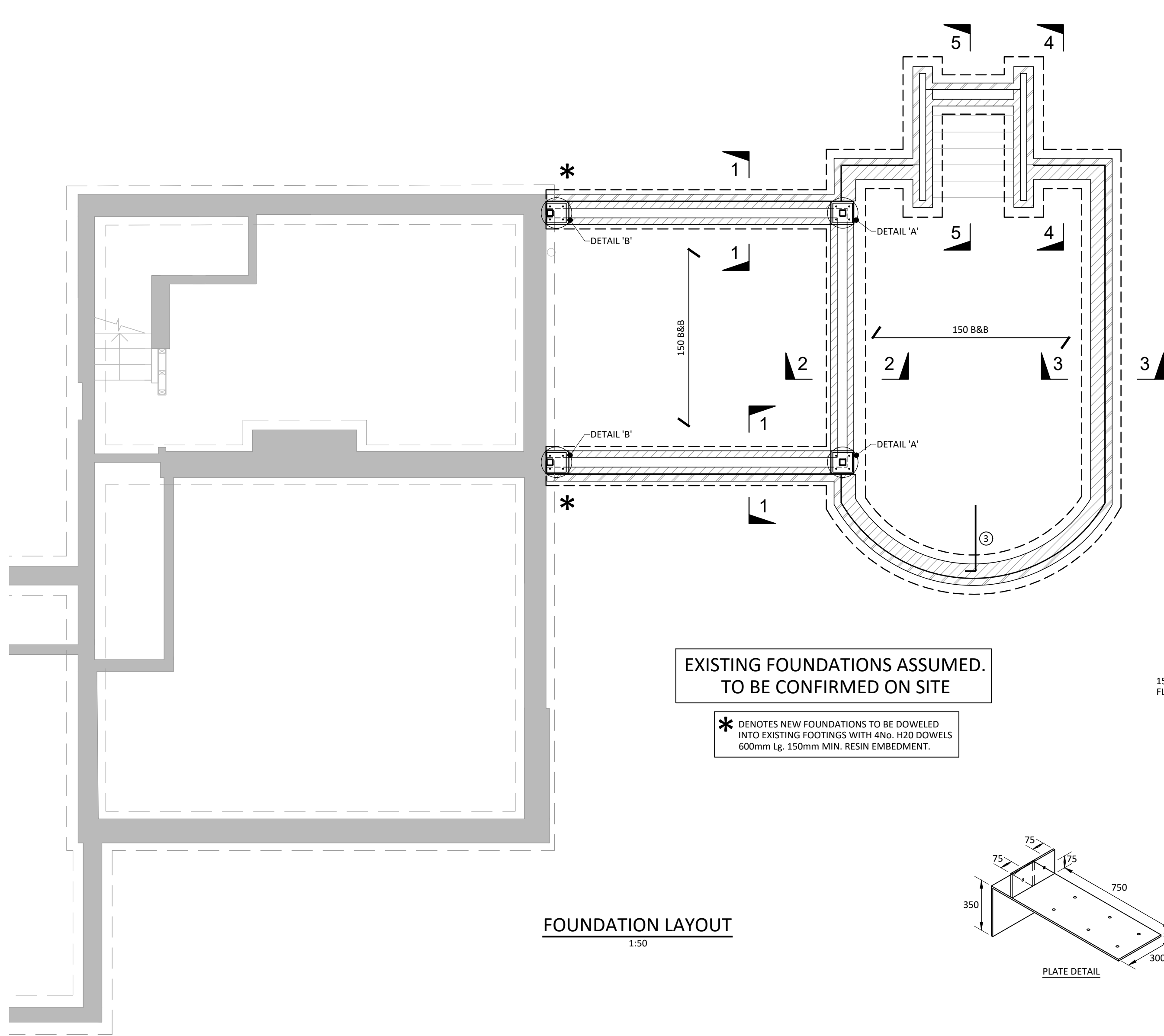
pma
PAUL MOLINEUX ASSOCIATES
Consulting Structural Engineers
2 Stable Offices, Furnace Farm,
Furnace Lane, Lamberhurst, Kent
TN3 8LE. Tel 01892 538788
e-mail: info@paulmolineux.co.uk

Project **St Katherines,
Forge Lane,
Shorne,
DA12 3DP**

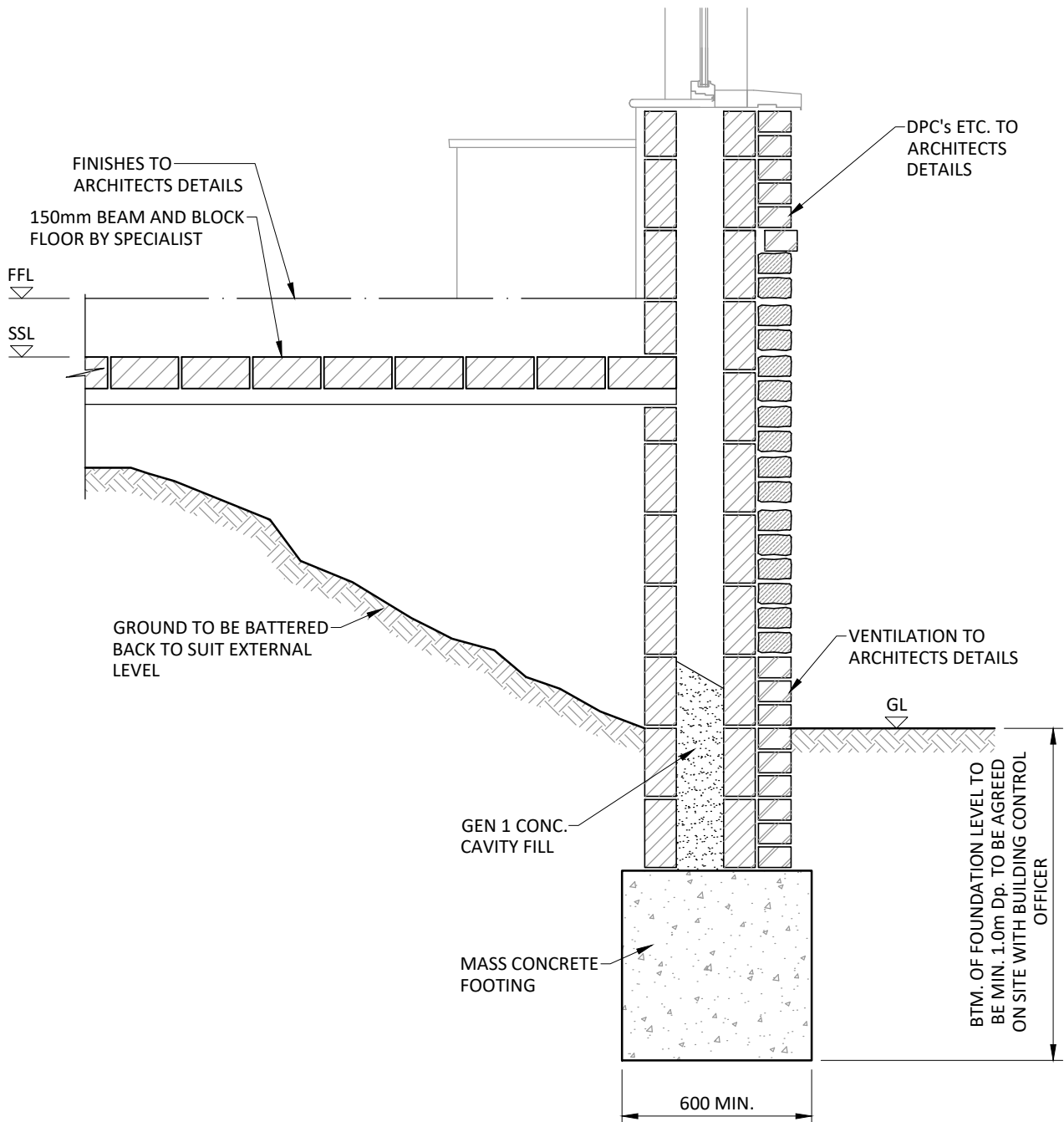
Title **Foundation Layout**

Date Dec. 2024 Scales 1:50, 1:20 At A1

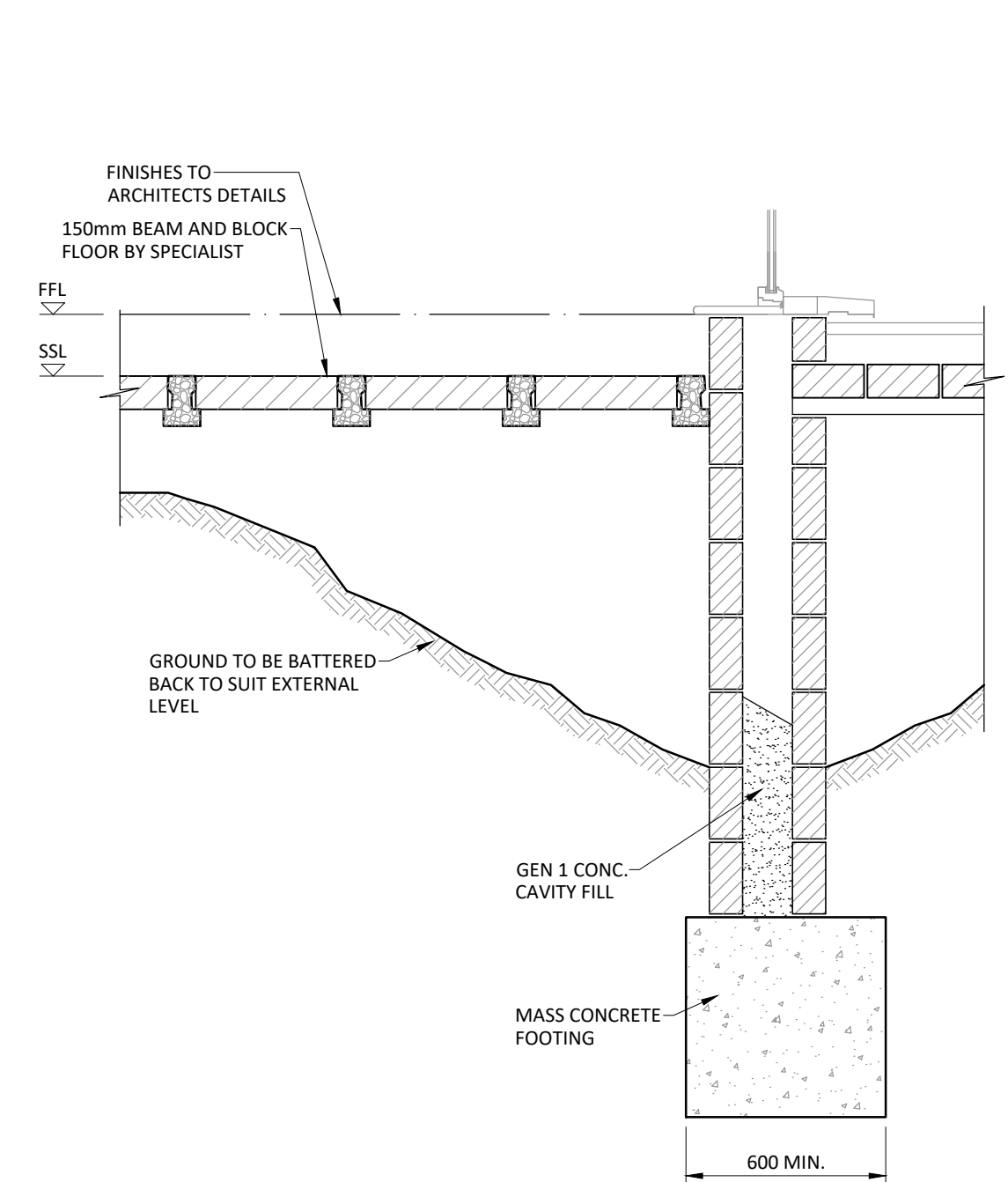
Job No.	Drawing No.	Rev.
6124	S.01	-



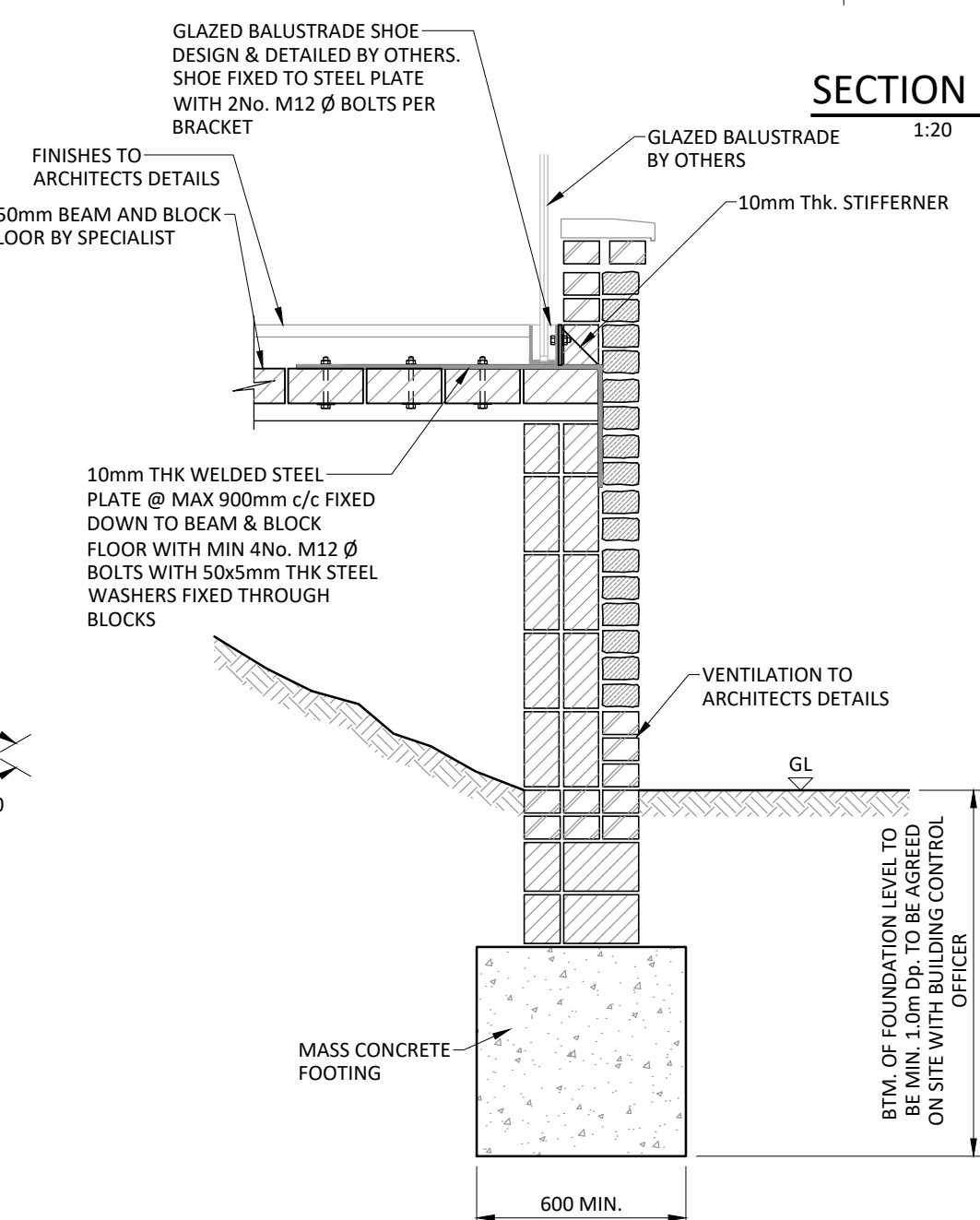
FOUNDATION LAYOUT
1:50



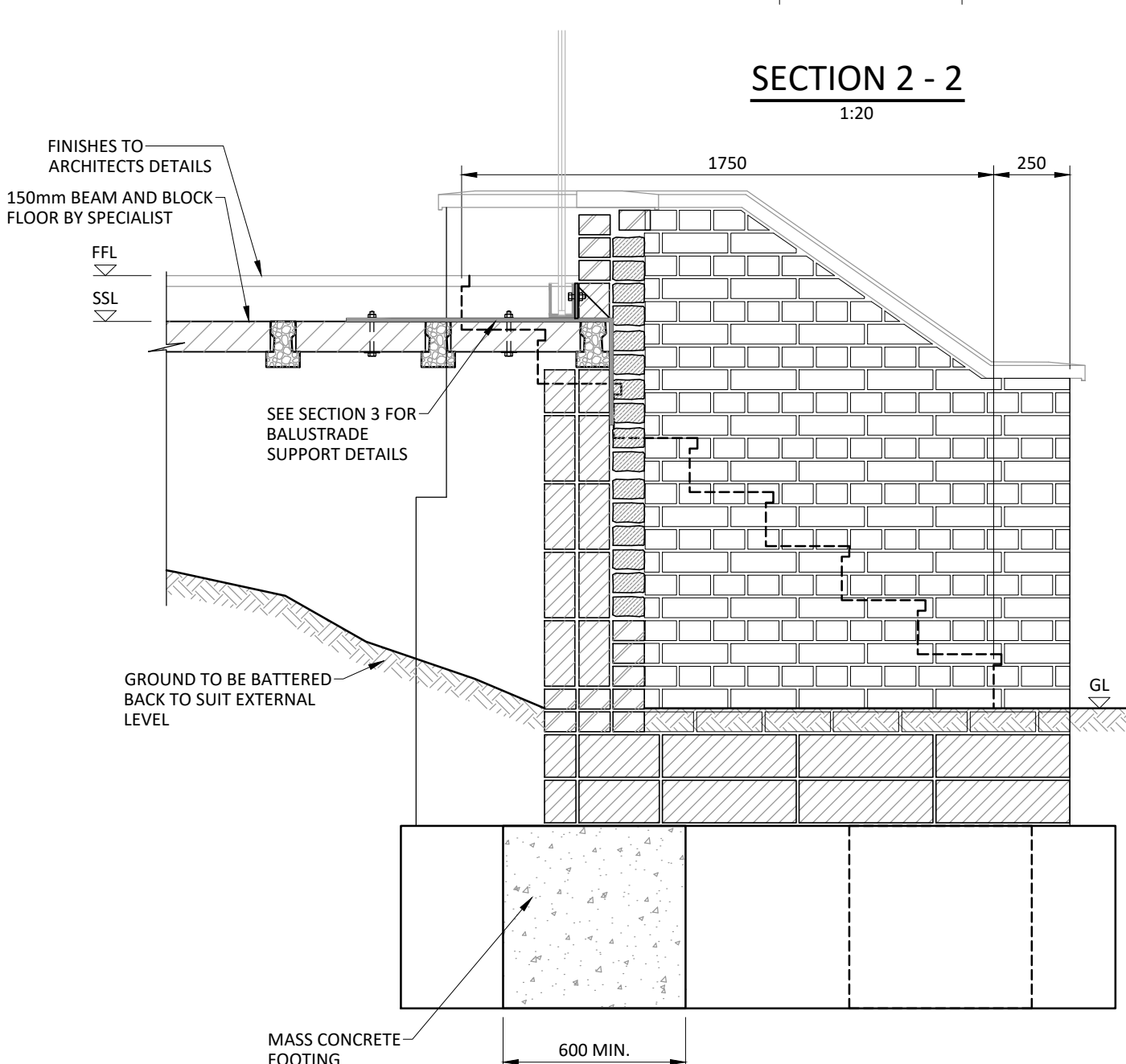
SECTION 1 - 1
1:20



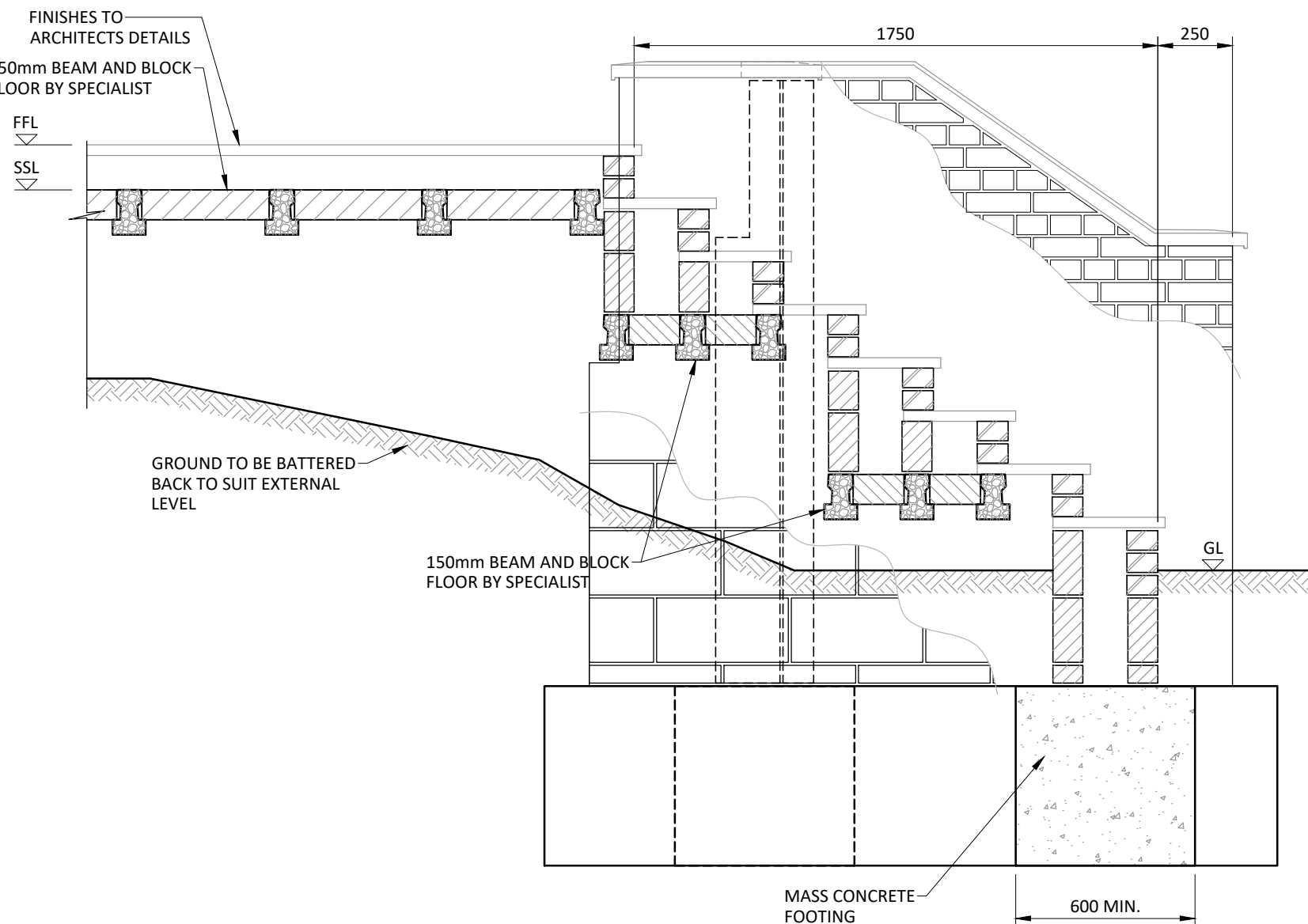
SECTION 2 - 2
1:20



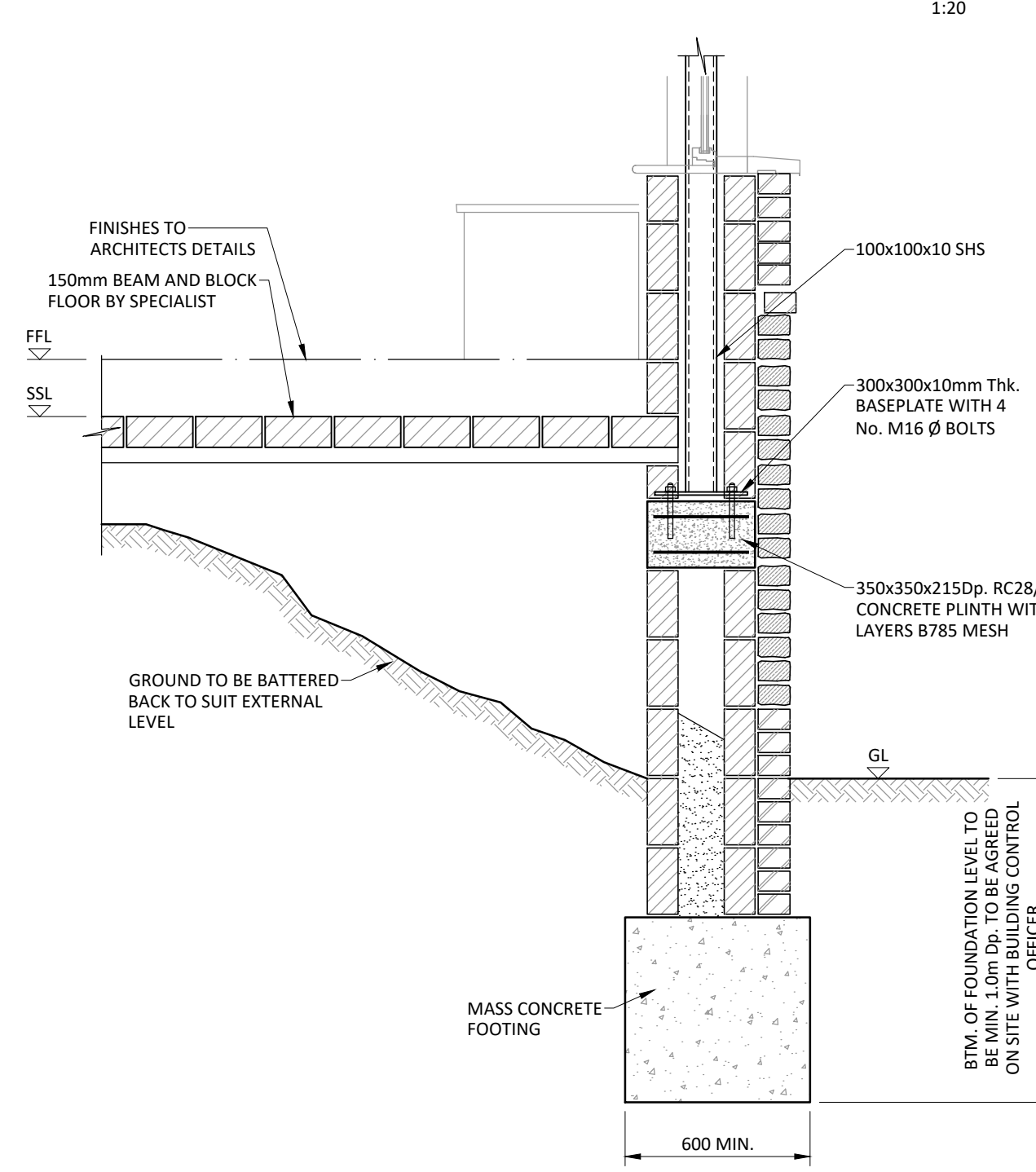
SECTION 3 - 3
1:20



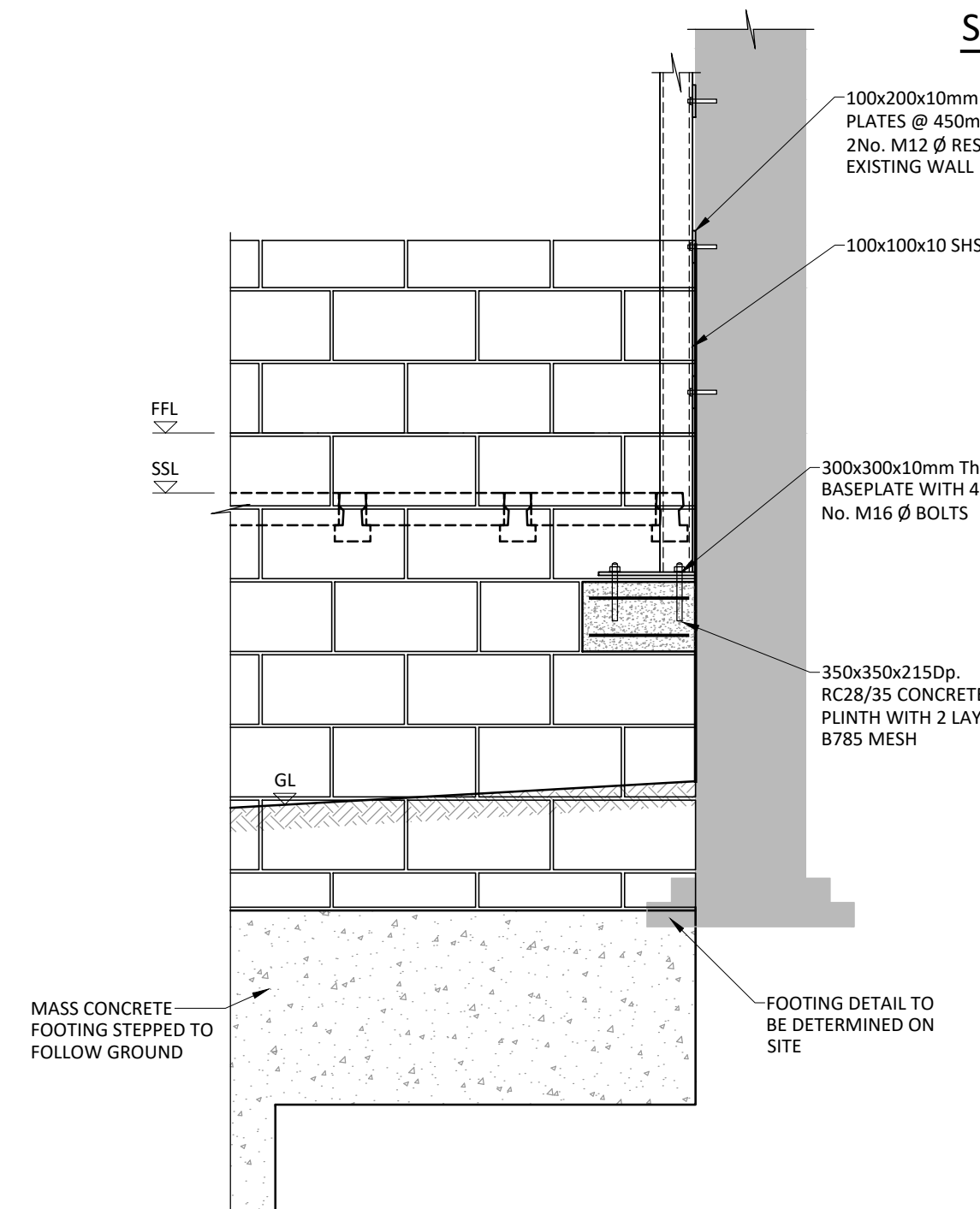
SECTION 4 - 4
1:20



SECTION 5 - 5
1:20



DETAIL 'A'
1:20



DETAIL 'B'
1:20