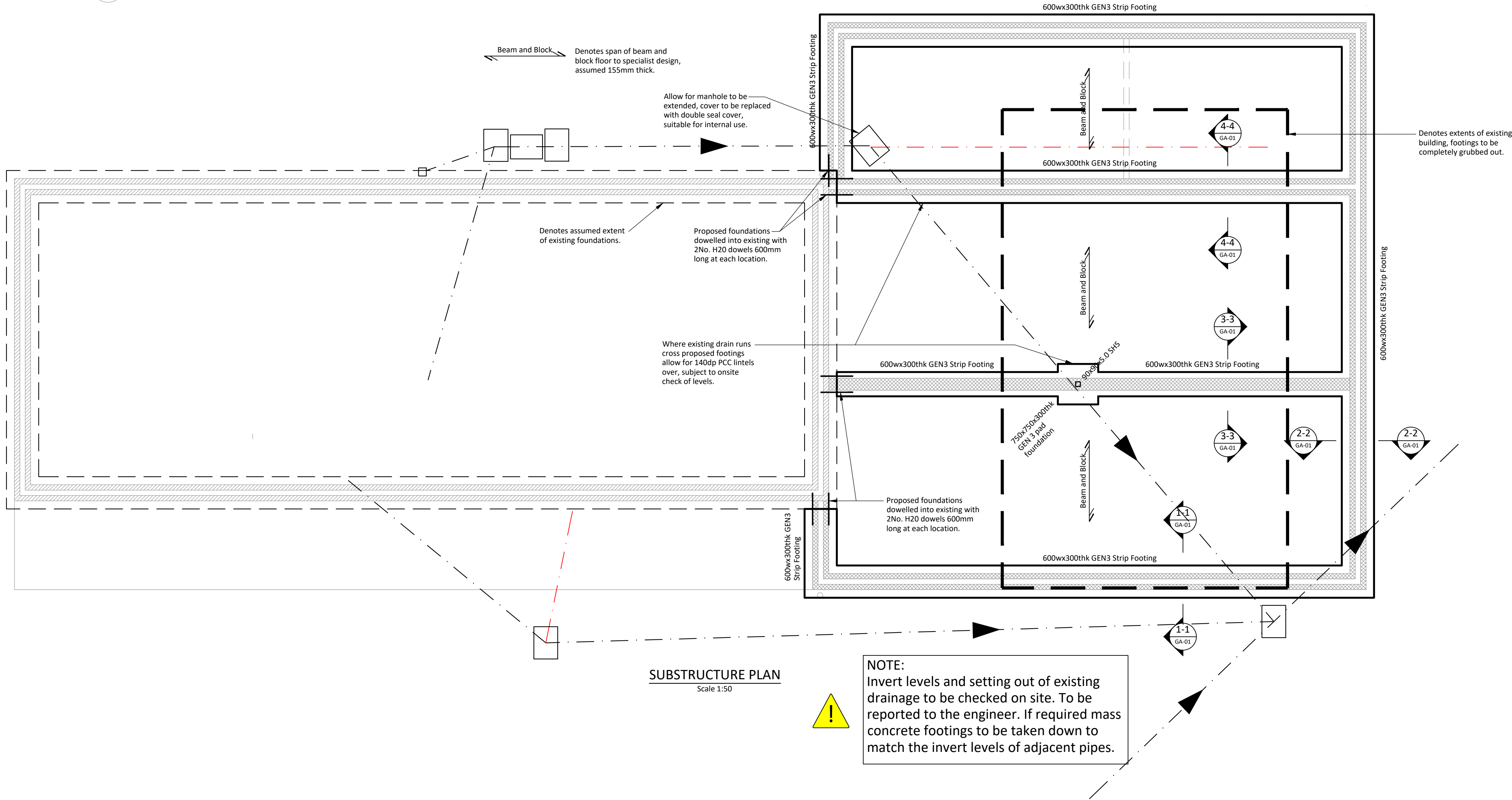
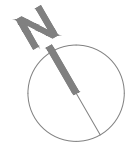
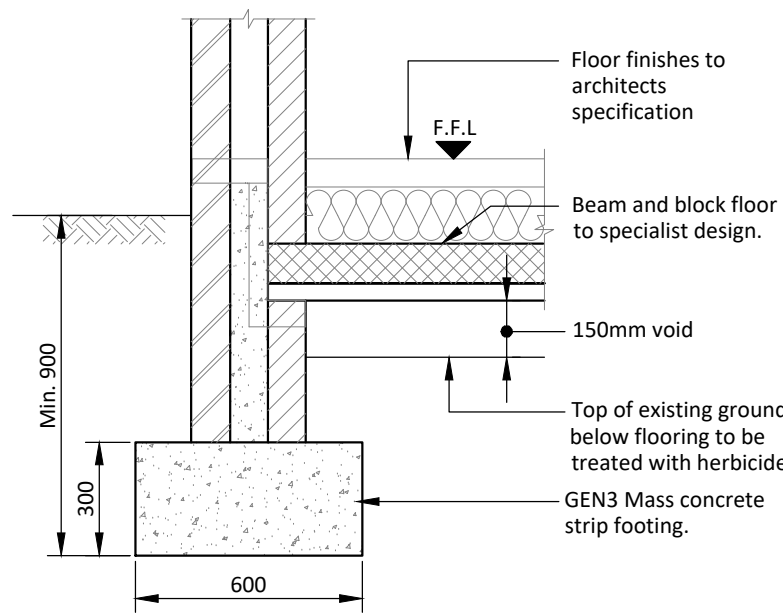


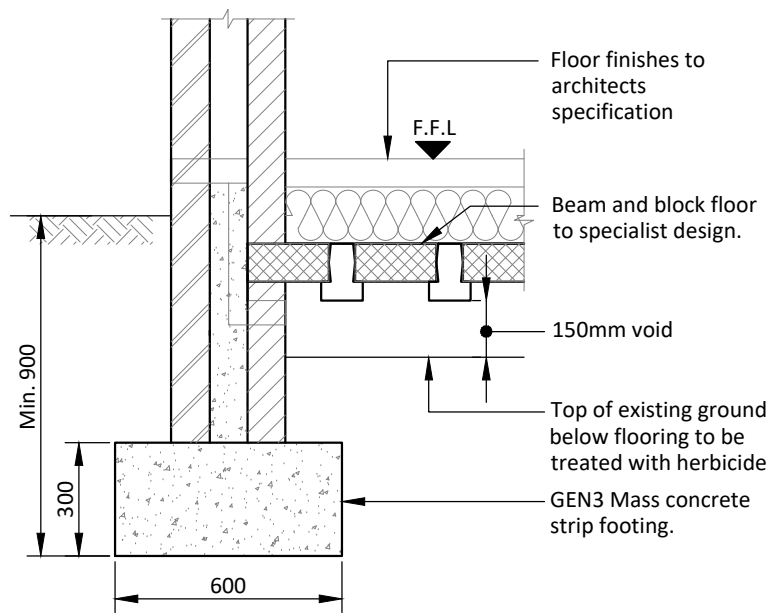


SUBSTRUCTURE PLAN  
Scale 1:50

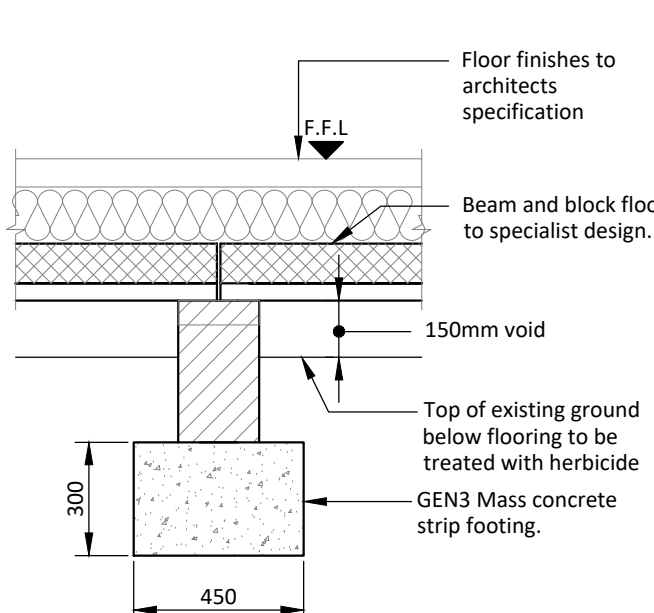
Note:  
Refer to architects drawings  
for damp proofing, insulation  
and ventilation details.



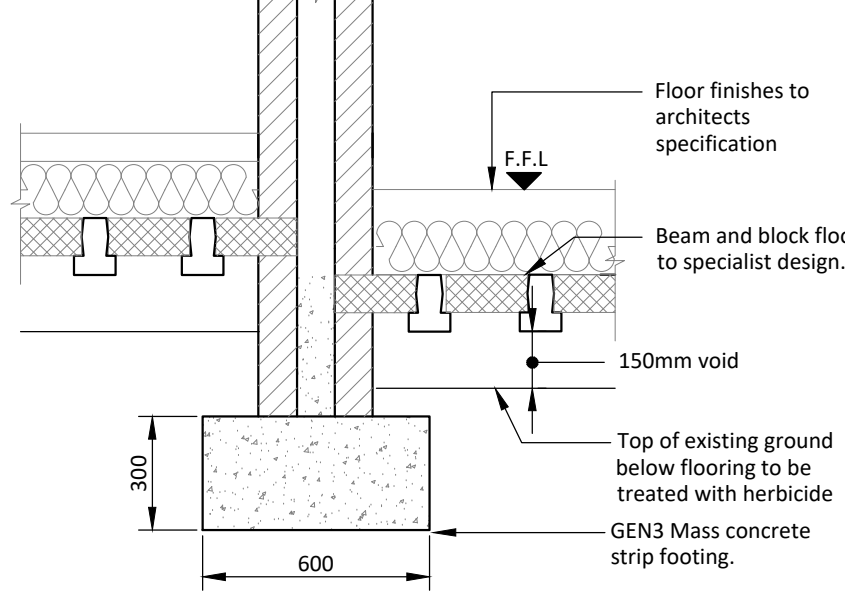
SECTION 1-1  
Scale 1:20



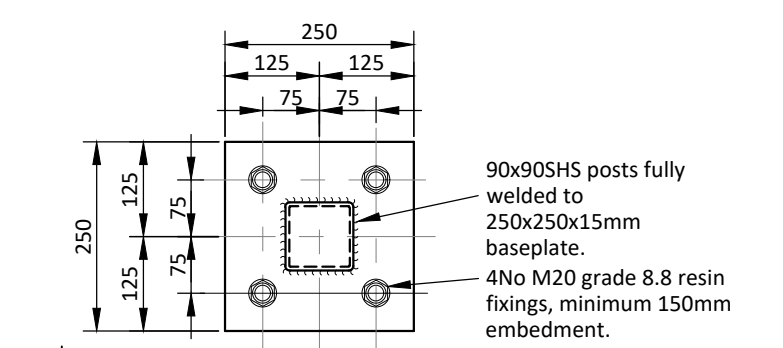
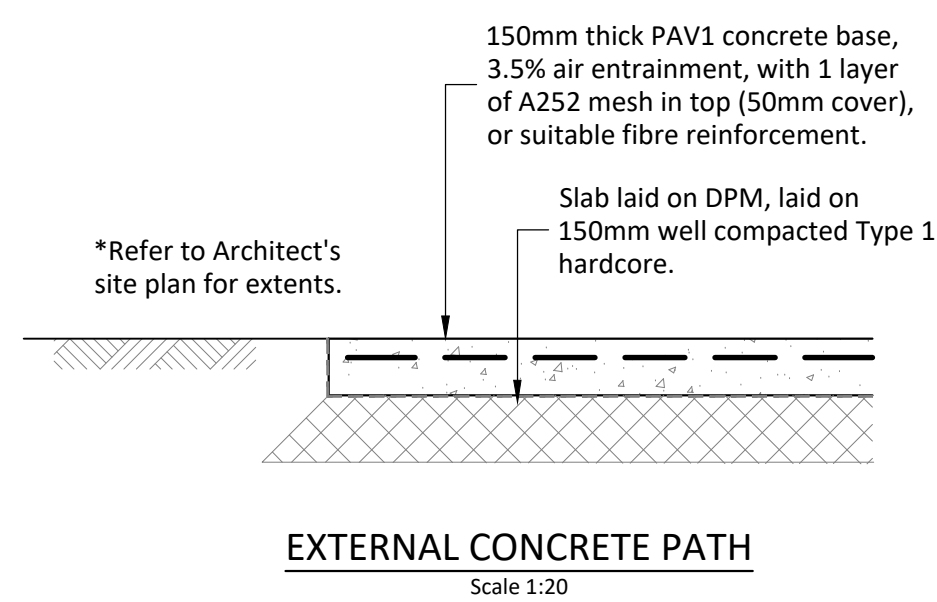
SECTION 2-2  
Scale 1:20



SECTION 3-3  
Scale 1:20



SECTION 4-4  
Scale 1:20



BASEPLATE DETAIL  
90x90 SHS  
Scale 1:10

## GENERAL

- DO NOT SCALE THIS DRAWING, USE ONLY WRITTEN DIMENSIONS. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEERS. IF IN DOUBT ASK.
- SETTING OUT TO ARCHITECT'S DRAWINGS.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS, ENGINEERS, AND SPECIALISTS DRAWINGS, AND WITH THE SPECIFICATIONS.
- WORKS TO COMPLY WITH ALL RELEVANT BRITISH STANDARDS, CODES OF PRACTICES, EURO CODES AND THE BUILDING REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURAL INTEGRITY OF THE WORKS AT ALL TIMES BY THE PROVISION OF ADEQUATE TEMPORARY WORKS.
- ALL DIMENSIONS IN MILLIMETRES (mm).
- ALL LEVELS IN METRES (m).

## FOUNDATIONS

- FOUNDATIONS TO BE CENTRAL UNDER WALLS AND 450mm WIDE EXCEPT WHERE NOTED OTHERWISE ON THE DRAWING. FOUNDATION WIDTH HAS BEEN BASED ON AN ALLOWABLE GROUND BEARING PRESSURE OF 100N/m<sup>2</sup> AT A DEPTH OF 1.0m - SUBJECT TO LOCAL AUTHORITY APPROVAL.
- BLINDING AND MASS CONCRETE FILL TO BE GEN1 WITH A CONSISTENCE CLASS S3.
- MASS CONCRETE FOOTINGS TO BE GEN 3 TO BS 8500 Pt.1. ALL WITH 20mm AGGREGATE AND S3 CONSISTENCY CLASS, AND TO BE IN ACCORDANCE WITH BS EN 206 PART 1 AND BS 8500 PART 1.
- ALL FOUNDATIONS TO HAVE A MINIMUM PROJECTION OF 75mm TO BOTH SIDES OF WALL SUPPORTED.
- FOUNDATION DEPTHS AS SPECIFIED ARE MINIMUM. DEPTH TO BE INCREASED TO SUIT LOCAL BEARING STRATA AND 'SOFT SPOTS'.

## GROUND FLOOR BEAM AND BLOCK

- THE BEAM & BLOCK FLOOR IS TO BE DESIGNED BY A SPECIALIST MANUFACTURER FOR THE FOLLOWING LOADS:-
  - LIVE LOAD : 3.00kN/m<sup>2</sup>
  - FINISHES : 1.80kN/m<sup>2</sup>
  - PARTITIONS : SEE NOTES BELOW
  - SELF WEIGHT : TO MANUFACTURERS SPECIFICATIONS.
- FOR SETTING OUT OF NON LOAD BEARING PARTITIONS REFER TO THE ARCHITECTS DRAWINGS, FLOORS TO BE DESIGNED FOR A CHARACTERISTIC LINE LOAD OF 4.0kN/m AT THESE LOCATIONS.
- CALCULATIONS AND WORKING DETAILS OF FLOORS TO BE SUBMITTED TO M<sup>c</sup> CIVIL AND STRUCTURAL FOR COMMENT PRIOR TO CONSTRUCTION.
- WHERE BEAM & BLOCK GROUND FLOOR IS BUILT INTO WALLS, FLOOR BLOCK STRENGTH IS NOT TO BE LESS THAN BLOCK STRENGTH USED IN THE CONSTRUCTION OF THE WALL.
- CONCRETE FLOOR BEAMS PARALLEL TO WALLS TO HAVE A GALVANIZED M.S. STRAP (30mmx5mm THICK) AT 1500mm CRS. BUILT INTO WALLS AND PLUGGED AND SCREWED TO MINIMUM 3 No. FLOOR BEAMS.

## BLOCKWORK BELOW GROUND

- MASONRY BELOW GROUND LEVEL TO BE EITHER NON PROST SUSCEPTIBLE BLOCKWORK WITH A MINIMUM COMPRESSIVE STRENGTH OF 7N/mm<sup>2</sup>, OR CLASS B ENGINEERING BRICKWORK, BOTH IN CLASS M12 (i) MORTAR.
- 215 WIDE WALL CONSTRUCTION, BELOW SLAB, TO BE EITHER:
  - 2x100 WIDE BLOCK COLLAR JOINED, WITH ALL JOINTS FILLED & WALL TIES AT 450 CRS.
  - OR
  - BLOCKS LAID FLAT (NO ONE BLOCK UNIT TO WEIGH MORE THAN 20kg)
- ALL WALL TIES ARE TO BE STAINLESS STEEL AND COMPLY WITH BS.1243 AND MEET THE PERFORMANCE REQUIREMENTS OF STANDARD D0140. CLASS 1, AND ARE TO BE INSTALLED IN FULL ACCORDANCE WITH BS 5628 - PART 3 : 2001.

All Temporary works to be designed by contractor.

All existing external walls are assumed to be standard masonry cavity construction - inform Engineers of any discrepancies.

Existing structural elements indicated on this drawing are assumed only. To be checked on site by the contractor.

| REV | DESCRIPTION                 | DRAWN | CHK'BY | DATE     |
|-----|-----------------------------|-------|--------|----------|
| A1  | ISSUED FOR BUILDING CONTROL | MD    | MC     | 23.02.23 |
| A2  | GENERAL REVISIONS           | MD    | MC     | 07.03.23 |

|                                     |        |          |          |
|-------------------------------------|--------|----------|----------|
| CLIENT:<br>Westfield Parish Council |        |          |          |
| PROJECT REF:                        | FILE:  | DRG NO.: | REV:     |
| M2-2572                             | GA     | 001      | A2       |
| SCALE (A1):                         | DRAWN: | CHECKED: | DATE:    |
| As Shown                            | MD     | MC       | FEB 2023 |

|                                         |
|-----------------------------------------|
| PROJECT TITLE:<br>West Hill Pavilion    |
| DRAWING TITLE:<br>Proposed Substructure |



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