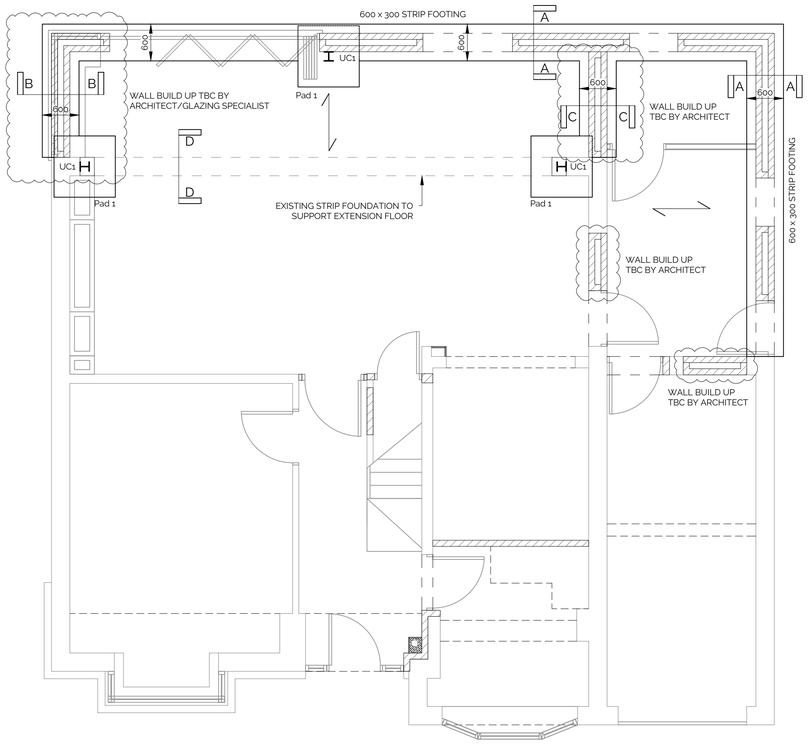
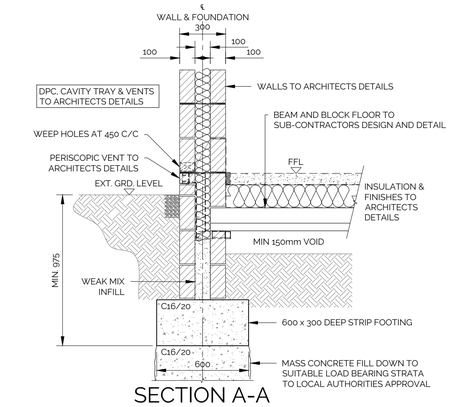



# PROPOSED GROUND FLOOR LAYOUT SHOWING STRIP FOOTING

SCALE 1:50

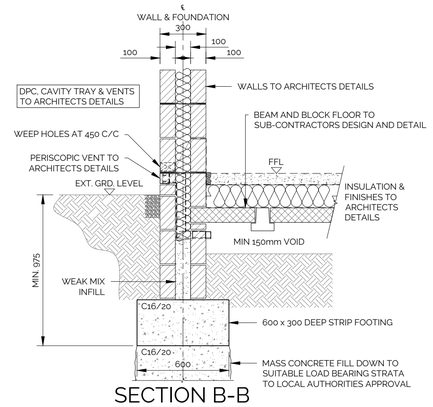
DENOTES SPAN OF BEAM & BLOCK FLOOR TO BE DESIGNED BY SPECIALIST MANUFACTURER

| STEEL WORK | |
|---|---|
| REF: | STEEL |
| UC1 | 152 x 152 x 23 UC COLUMN |



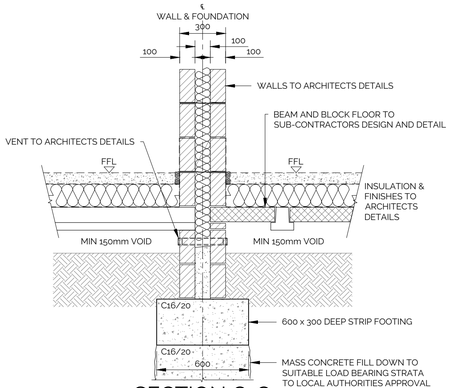

## SECTION A-A

(Scale 1:20)



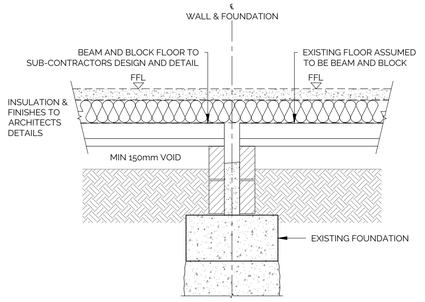

## SECTION B-B

(Scale 1:20)



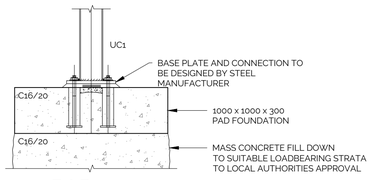

## SECTION C-C

(Scale 1:20)




## SECTION D-D

(Scale 1:20)




## PAD 1

(SCALE 1:20)

## GENERAL NOTES

DO NOT SCALE OFF THIS DRAWING

THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE ENGINEER'S SPECIFICATIONS, RELEVANT BRITISH STANDARDS, STATUTORY HEALTH AND SAFETY/C.D.M. REGULATIONS, RELEVANT CODES OF PRACTICE AND THE CURRENT EDITION OF THE BUILDING REGULATIONS.

FOR FINAL SETTING OUT INFORMATION RELATING TO GRID LINES AND WALL POSITIONS REFER TO THE ARCHITECT'S DRAWINGS.

ALL DIMENSIONS, LEVELS AND SETTING OUT TO BE CONFIRMED WITH THE ARCHITECT PRIOR TO CONSTRUCTION.

THE CONTRACTOR IS TO BE FULLY RESPONSIBLE FOR ALL TEMPORARY/PERMANENT PROPPING AND SHORING ON THE PROJECT. CONTRACTOR TO ENSURE THAT ALL PARTS OF THE STRUCTURE ARE ADEQUATELY PROPPED PRIOR TO ANY COMMENCEMENT OF WORKS. ADVICE MAY BE SOUGHT FROM A SPECIALIST OR FROM THE STRUCTURAL ENGINEER.

FOUNDATIONS
GC TO ENSURE ALL GROUND EXCAVATIONS ARE STABLE AND SECURELY SHORED AND BRACED. ADVICE ON THIS MATTER MAY BE OBTAINED FROM THE STRUCTURAL ENGINEER.

ALL WALLS TO BE POSITIONED CENTRALLY ON FOUNDATION

PLAIN CONCRETE
C16/20 PLAIN CONCRETE USED IN FOUNDATIONS TO HAVE:-
DESIGN SULPHATE CLASS DS-1, ACEC CLASSIFICATION AC-1
MINIMUM CEMENT CONTENT OF 225kg/m³
WATER/CEMENT RATIO OF 0.7.
MAXIMUM SIZE OF AGGREGATE TO BE 20mm

GC TO ENSURE ALL GROUND EXCAVATIONS ARE STABLE AND SECURELY SHORED. ADVICE ON THIS MATTER MAY BE OBTAINED FROM THE STRUCTURAL ENGINEER.

PC FLOORS
FLOORING SPECIALIST TO SUBMIT DRAWINGS AND CALCULATIONS TO ENGINEER PRIOR TO MANUFACTURE.

P.C. UNITS TO BE DESIGNED TO CARRY THE FOLLOWING LOADINGS (INC. OF S.W. UNITS).

DEAD LOADS

| | |
|---|---|
| SELF WEIGHT | PROVIDED BY MANUFACTURER |
| SCREED | 18kN/m² |
| FINISHES | FROM ARCHITECTS DRAWINGS |

IMPOSED LOADS:

| | |
|---|---|
| RESIDENTIAL | 1.5kN/m² |
| ROOF | 0.75kN/m² |
| NON LOADBEARING STUD PARTITIONS - | 1.5kN/m RUN / 1.0kN/m² BLANKET UNO. |
| 100 BLOCK WALL | 5kN/m RUN |

DIRECTION OF SPAN OF BEAM & BLOCK FLOOR INDICATED THUS ON PLAN:-

STRUCTURAL DESIGN
STRUCTURAL DESIGN AND LAYOUT MAY CHANGE DEPENDING ON CONFIRMATION OF ARCHITECTS DESIGN AND DETAILS

WALLS
BRICKWORK TO HAVE A WATER ABSORPTION BETWEEN 7% AND 12%
MINIMUM STRENGTH OF BLOCKWORK:-

| | |
|---|---|
| BELOW GRD | 7.3N/mm² |
| GRD - ROOF | 7.3 N/mm² |

MORTAR ABOVE GRD TO BE 1:1:6 (iii) / M4
MORTAR BELOW GRD TO BE 1:0.3 (i) / M12

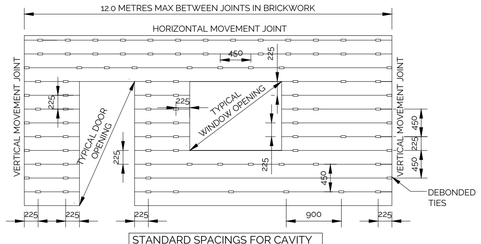
MOVEMENT JOINTS TO BE:-

| | |
|---|---|
| CLAYBRICK - | POSITIONED AT MAX. 12000mm CENTRES |
| BLOCKWORK - | POSITIONED AT MAX. 6000mm CENTRES |

ALL JOINT WIDTHS TO BE MIN. 16mm

ALL INTERNAL WALLS TO BE TOOTHED INTO EXTERTNAL/PARTITION WALL OR BUILT INTO USING CATNIC STRONGHOLD SYSTEM OR SIMILAR APPROVED

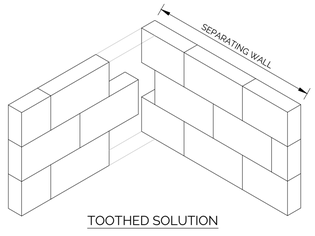
WALL TIES
EXTERNAL CAVITY WALL TIES TO BE STAINLESS STEEL TYPE 2 WHEN TESTED IN ACCORDANCE WITH 'DD 140' (125 CAVITY) AND 250mm LONG, UNLESS NOTED OTHERWISE. PROVIDE ANCON TEPLO 2 WALL TIES OR SIMILAR APPROVED.
EXTERNAL BRICKWORK/SFS WALL TIES TO BE ANCON SD25/14 RESTRAINT SYSTEM.
PARTY WALL TIES TO BE STAINLESS STEEL TYPE 2 WHEN TESTED IN ACCORDANCE WITH 'DD 140' (100 CAVITY) AND 250mm LONG, UNLESS NOTED OTHERWISE. PROVIDE ANCON HRT 4 WALL TIES OR SIMILAR APPROVED.
MINIMUM EMBEDMENT DEPTH IN MORTAR TO BE 50mm. SPACING 900mm HORIZONTALLY AND 450mm VERTICALLY IE 5.0 TIES PER SQ. METRE OF WALL MINIMUM.
ADDITIONAL TIES ARE TO BE USED AT JAMBS OF OPENINGS SO AS TO PROVIDE A VERTICAL SPACING NOT GREATER THAN 225mm. WITHIN 150mm OF VERGES AND JAMBS A TIE IS REQUIRED AT LEAST EVERY 225mm VERTICALLY.



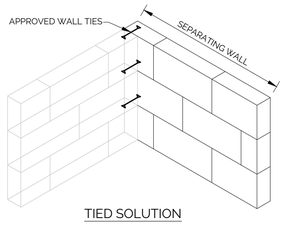

STANDARD SPACINGS FOR CAVITY MASONRY WALL 900X450 CENTRES IN A STAGGERED PATTERN.

## TYPICAL LAYOUT OF EXTERNAL WALL TIES TO CAVITY WALL CONSTRUCTION

(SCALE 1:50)

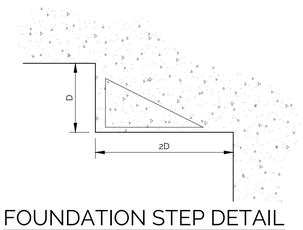



TOOTHED SOLUTION




TIED SOLUTION

## INTERNAL WALL JUNCTION DETAILS (SCALE 1:20)




## FOUNDATION STEP DETAIL

(SCALE 1:20)

| Rev | By | Description | Date |
|---|---|---|---|
| P02 | BP | Viewports revised | 11/04/23 |
| P01 | BP | Preliminary Issue | 04/04/23 |

Revision Schedule

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PROJECT
10 Lloyd Road,
Prescot,
Knowsley, L34 6LG

TITLE
Proposed Strip Foundation Layout and Details

| | | | |
|---|---|---|---|
| Client | Private Client | | |
| Status S2 | Purpose of Issue | Preliminary | |
| Designed By JS | Drawn By BP | Shape Project No. | 2555 |
| Sheet No. | 2555-SCE-00-GF-DR-S-1000 | | |
| Scale (@ A1) As Shown | Date March 2023 | Rev | P02 |

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