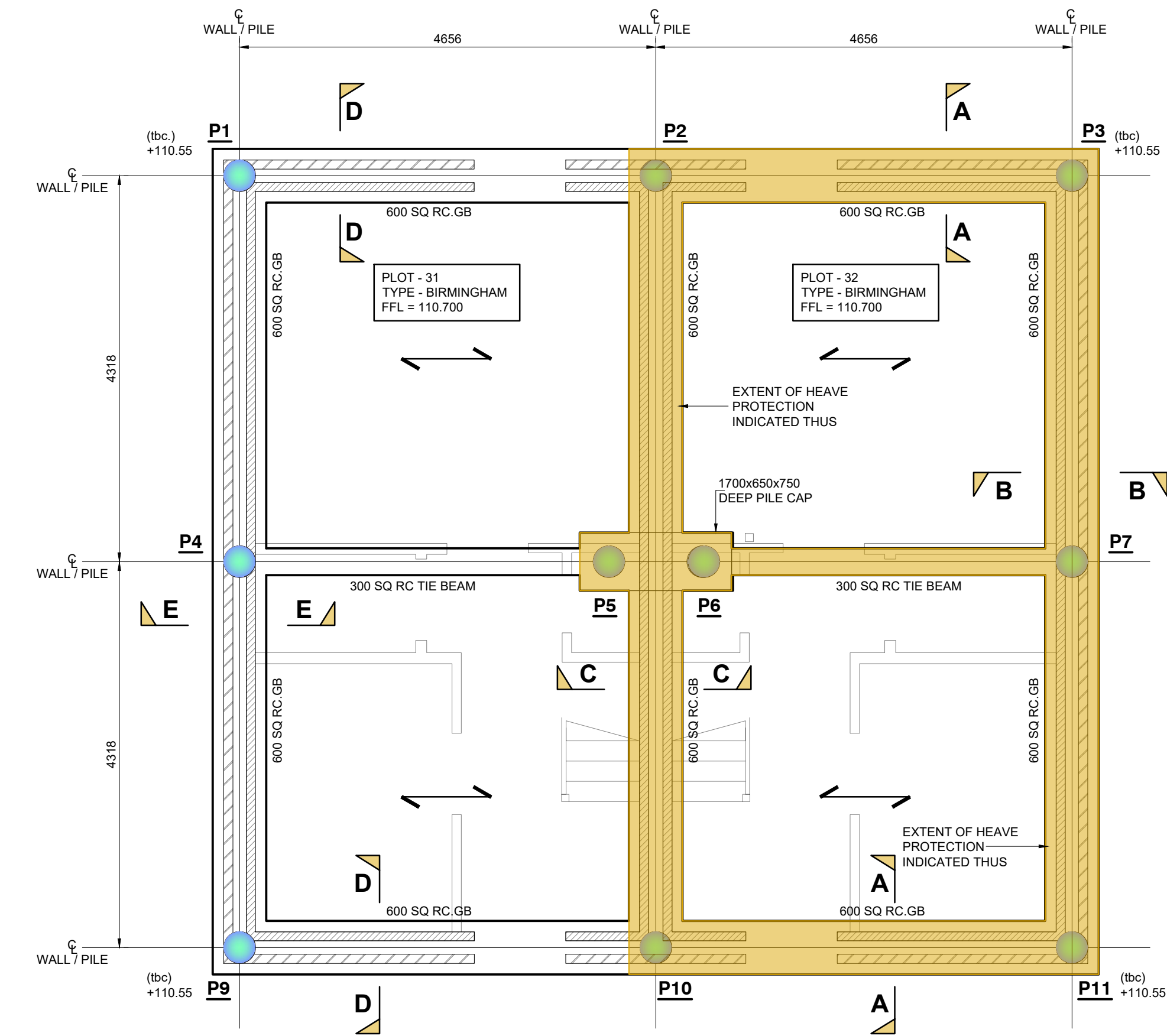


ALL FFL'S INDICATED ON THIS DRAWING SHOULD BE CROSS CHECKED WITH THE CIVIL ENGINEERS DRAWINGS AND ANY VARIATION REPORTED TO THE ENGINEER PRIOR TO ANY WORKS COMMENCING



FOUNDATION LAYOUT INDICATION GROUND FLOOR SLAB

(PLOT 31-32)

(Scale 1:50)

NOTE TO F = 110.475 U.N.O

NOTE HEAVE PRECAUTION: LOW V.C.P. PROVIDE VOID FORMER TO UNDERSIDE OF ALL GROUND BEAMS / PILE CAPS INDICATED ON PLAN AND MUST ACHIEVE 50mm AFTER COLLAPSE. REFER TO NHBC CHP 4.2 FOR DETAILS

LEGEND

- (xx.xx) DENOTES APPROX EXISTING GROUND LEVEL
+xx.xx DENOTES APPROX PROPOSED GROUND LEVEL
(xx.xx) DENOTES APPROX FOUNDATION FORMATION LEVEL TO THE APPROVAL OF THE L.A BUILDING INSPECTOR.
T.O.F. DENOTES TOP OF FOUNDATION LEVEL.
DENOTES SPAN OF BEAM & BLOCK FLOOR TO SPECIALISTS DESIGN / DETAILS (INSULATION AND FINISHES AT ARCHITECTS DETAILS)
DENOTES SPAN OF BEAM & BLOCK FLOOR TO SPECIALISTS DESIGN / DETAILS + STRUCTURAL TOPPING TO GARAGES.
DENOTES APPROX LOCATIONS OF SERVICE PENETRATIONS / SVP REFER TO ARCHITECTS DETAILS FOR SETTING OUT
DENOTES APPROX LOCATIONS OF TELESCOPIC AIR BRICKS. REFER TO ARCHITECTS DETAILS FOR SETTING OUT
DENOTES ARRANGEMENT OF STUD WALLS / STAIRCASE SUPPORTED OFF PC FLOOR. REFER TO ARCHITECTS DETAILS FOR DETAILS
DENOTES LOCATIONS OF 30x5 GALVANISED M.S RESTRAINT STRAPS AT 1800 MAX CRS
DENOTES LOCATIONS OF WINDPOSTS REFER TO ARCHITECTS DETAILS
DENOTES LOCATIONS OF STUD BUTTRESS WALLS REFER TO ARCHITECTS DETAILS
DENOTES APPROX EXTENT OF EXPOSED BRICKWORK
DENOTES APPROX EXTENT OF RAISED GROUND

GROUND FLOOR DESIGN LOADINGS

IMPOSED	1.50kN/m ²
SCREED	1.80kN/m ²
PARTITIONS	0.50kN/m ²

(EXCLUDING SELF WEIGHT OF FLOOR SLAB)

FOUNDATION NOTES:

- FOUNDATION TYPE: PILED- PILES DESIGNED BY SPECIALIST.
REINFORCEMENT REQUIRED: YES
VOLUME CHANGE POTENTIAL: LOW
HEAVE PRECAUTION REQUIRED: YES DUE TO THE INFLUENCE OF TREES AS PER NHBC CHP 4.2.
CONCRETE CLASSIFICATION: AC2 DS2
DESIGNATED CONCRETE MIX: FND2.
FLOOR SLAB CONSTRUCTION: SUSPENDED PCC FLOOR TO SPECIALISTS DESIGN
VENTED VOID BENEATH FLOOR: 225mm
CHARACTERISTIC GAS SITUATION: CS2
ADDITIONAL ITEMS TO CONSIDER:
TO BE READ IN CONJUNCTION WITH SITE INVESTIGATION REPORT BY 'ARCADIS' SITE INVESTIGATION REPORTS REF - 1001565301_03- DATED MAY 2020.

GAS PROTECTION REQUIREMENTS IN ACCORDANCE WITH B.S.8485:2015 & A1:2019

NHBC TRAFFIC LIGHT SYSTEM	=	AMBER 1	SCORE REQUIRED	3.5
CHARACTERISTIC SITUATION, CS	=	2		
FLOOR SLAB BARRIER			SCORE ACHIEVED	0.0
SUSPENDED BEAM AND BLOCK FLOOR.				
MEMBRANE			SCORE ACHIEVED	2.0
CERTIFICATED TAPED AND SEALED CARBON DIOXIDE RESISTANT MEMBRANE TO BE INSTALLED BY SUITABLY TRAINED, QUALIFIED AND EXPERIENCED CONTRACTORS WITH VALIDATION FROM THIRD PARTY.				
VENTILATING			SCORE ACHIEVED	2.5
PASSIVE SUB FLOOR VENTILATION (VENTING LAYER CAN BE A CLEAR VOID OR FORMED USING GRAVEL, GEOCOMPOSITES, POLYSTYRENE VOID FORMERS, ETC.) - VERY GOOD PERFORMANCE RATING.				
TOTAL ACHIEVED				4.5

HTF-PPC-XX-00-DR-S-016-PLOT 31-32					
PILE CUT OFF LEVELS		LOADINGS		CO-ORDINATES	
PILE REF	CUT OFF	VERT KN	HORIZ KN	EASTINGS	NORTHINGS
P1	109.950	...	10	...	
P2	109.950	10	10		
P3	109.950	10	10		
P4	109.950	10	10		
P5	109.800	10	10		
P6	109.800	10	10		
P7	109.950	10	10		
P8	109.950	10	10		
P9	109.950	10	10		
P10	109.950	10	10		
NOTE: PILE SETTING OUT CO-ORDINATES BASED UPON CIVIL ENG DRAWING No ???????????? REV??					

PILING NOTES

- 6.1 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS ENGINEERS AND OTHER SPECIALISTS DETAILS AND SPECIFICATIONS.
6.2 ALL PILING WORKS, INCLUDING DESIGN, TO BE CARRIED OUT IN ACCORDANCE WITH THE PILING SPECIFICATION AND BS 8004.
THE PILING DESIGN & INSTALLATION SHALL BE THE RESPONSIBILITY OF THE SPECIALIST PILING CONTRACTOR. ALL PILES SHALL BE CAPABLE OF SUPPORTING AN ULMATE LOAD OF NOT LESS THAN 3.0 TIMES THE UNFACTORED WORKING LOADS SPECIFIED.
THE PILE LOADS INDICATED ARE UNFACTORED WORKING LOADS AND DO NOT INCLUDE ANY ALLOWANCE FOR NEGATIVE SKIN FRICTION. THE PILING CONTRACTOR IS TO MAKE ALLOWANCE IN THE PILE DESIGN FOR THE EFFECTS OF NEGATIVE SKIN FRICTION AND CLAY HEAVE IN ACCORDANCE WITH THE INFORMATION CONTAINED WITHIN THE SITE INVESTIGATION REPORT.
ALL PILES ARE TO BE FOUNDEN IN THE SAME STRATUM.
ALLOW FOR ALL PILES TO BE INTEGRITY TESTED USING A NON DESTRUCTIVE TESTING SYSTEM APPROVED BY THE LOCAL AUTHORITY AND ENGINEER, AND A STATIC LOAD TEST OF 1 No. PILE.
A FULL LOG OF THE PILING WORKS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PILING SPECIFICATION WILL BE MADE AND COPIES DISTRIBUTED AT THE END OF EACH WEEK TO THE LOCAL AUTHORITY, ENGINEER AND CLIENT.
THE PILING CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ALL CURRENT HEALTH AND SAFETY LEGISLATION TOGETHER WITH ALL ENVIRONMENTAL REGULATIONS APPLICABLE TO THE SITE.
A GOOD STANDARD OF HYGIENE SHOULD BE ADOPTED BE THE PILING OPERATIVES AND THE GROUNDWORKS CONTRACTORS WORKING ON SITE TO MINIMISE THE RISK OF SOIL INGESTION.
ALL PILES ARE TO HAVE A MINIMUM 75mm PROJECTION INTO THE GROUND BEAMS.
PILE HEADS ARE TO BE TRIMMED BACK IN STRICT ACCORDANCE WITH THE PILING CONTRACTORS SPECIFICATION. CARE MUST BE TAKEN TO ENSURE THAT BLINDING CONCRETE DOES NOT CONTINUE OVER PILE HEAD.
THE PILE DESIGNER IS TO ALLOW FOR EFFECTS OF ECCENTRICITY. DUE TO MAXIMUM PERMISSIBLE DISPLACEMENT OF PILE OF 75mm.
THE SETTING-OUT OF ALL PILES IS TO BE CHECKED AFTER INSTALLATION AND THE ENGINEER IS TO BE INFORMED OF ANY ECCENTRICITY GREATER THAN 75mm.

- FOUNDATIONS:
2.1 THE CENTRE LINES OF ALL FOUNDATIONS ARE TO COINCIDE WITH THE CENTRE LINES OF THE WALLS OVER UNLESS NOTED OTHERWISE.
MASONRY BELOW DPC:
3.1 UNLESS SHOWN OTHERWISE THE WIDTH OF ALL CAVITY AND SEPARATING WALLS BELOW DPC LEVEL SHALL BE AS THE WALL ABOVE. CAVITY BELOW GROUND LEVEL SHALL BE FILLED WITH LEAN MIX CONCRETE (1:12 MIX) AS SHOWN ON DETAILS. EXTERNAL WALLS TO HAVE A MINIMUM OF 3 COURSES OF FACING BRICKWORK BELOW DPC OR A MINIMUM OF 4 COURSES OF BRICKWORK BELOW FINISHED GROUND LEVEL. PERPENDS SHALL BE LEFT OPEN AT 150mm c/c. BELOW D.P.C. COURSING TO BE MADE UP TO REQUIRED DPC WHERE NECESSARY BY: USE OF MANUFACTURED COURSING BLOCKS.
a) EQUAL MINOR ADJUSTMENTS TO MORTAR COURSES.
b) NOMINAL 10mm BED JOINTS, 7mm MINIMUM, 13mm MAX.
3.2 WHERE BACK FILLING OR RAISING OF EXISTING GROUND LEVELS IS TO BE CARRIED OUT THE CONTRACTOR IS TO ENSURE THAT FILLING IS CARRIED OUT SIMULTANEOUSLY TO BOTH SIDES OF NEW WALLS OR CONSTRUCTION.
3.3 BLOCKWORK BELOW GROUND OR BELOW DPC LEVEL IS TO BE CONSTRUCTED WITH AT LEAST 7.5mm MIN. BLOCKS IN A CLASS (ii) MORTAR.
3.4 CAVITY TIES BELOW DPC:
EXTERNAL WALLS
S/STEEL RT2 (TYPE 2) 225mm LONG AT 450mm CRS VERTICALLY, 750mm CRS HORIZONTALLY, STAGGERED.
PARTY WALL TIES
S/STEEL HRT4 TIES 225mm LONG AT 450mm CRS VERTICALLY, 900mm CRS HORIZONTALLY, STAGGERED.

- SUSPENDED FLOOR SLAB:
4.1 150mm DEEP BEAM & EPS BLOCK FLOOR SYSTEM DESIGNED AND SUPPLIED BY AN APPROVED SPECIALIST. STANDARD BEAM & BLOCK FLOORS IN GARAGES.
4.2 BUTTRESS WALLS TO BE BUILT DIRECTLY OFF SUSPENDED FLOOR SLAB. REFER TO ARCHITECT'S DRAWINGS FOR LOCATIONS OF BUTTRESS WALLS.
5.1 DAMP/GAS PROOF MEMBRANE TO BS 8485:2015 & A1:2019 DAMP PROOF MEMBRANE AND CAVITY TRAY IS TO BE CARBON DIOXIDE RESISTANT AND IS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND LAID IN ACCORDANCE WITH SPECIALIST'S DETAILS. MEMBRANE TO BE CONTINUOUS ACROSS ALL CAVITIES AND LAPPED AND TAPED TO CAVITY TRAY. ADHESIVE SEAL TO BE MADE AROUND CAVITY TIES PASSING THROUGH MEMBRANE BY INSTALLER. VALIDATION REQUIRED BY THIRD PARTY

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THE SETTING-OUT OF ALL PILES IS TO BE CHECKED AFTER INSTALLATION AND THE ENGINEER IS TO BE INFORMED OF ANY ECCENTRICITY GREATER THAN 75mm.

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GENERAL NOTES

- 1.1 THIS DRAWING IS COPYRIGHT AND SHOULD NOT BE REPRODUCED IN WHOLE OR PART WITHOUT THE WRITTEN CONSENT OF PPCE GROUP LTD.
1.2 DO NOT SCALE FROM THIS DRAWING.
1.3 ALL DIMENSIONS TO BE CHECKED ON SITE AND CO-ORDINATE WITH RELEVANT ARCHITECT'S DRAWINGS. ANY DISCREPANCIES TO BE REPORTED TO ENGINEER PRIOR TO CONSTRUCTION.
1.4 ALL DIMENSIONS IN mm UNLESS NOTED OTHERWISE.
1.5 ALL LEVELS IN METERS.
1.6 STRUCTURAL SIZES HEREON SHALL NOT BE MODIFIED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
1.7 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS DRAWINGS & SPECIFICATIONS.

- FOUNDATIONS:
2.1 THE CENTRE LINES OF ALL FOUNDATIONS ARE TO COINCIDE WITH THE CENTRE LINES OF THE WALLS OVER UNLESS NOTED OTHERWISE.

- MASONRY BELOW DPC:
3.1 UNLESS SHOWN OTHERWISE THE WIDTH OF ALL CAVITY AND SEPARATING WALLS BELOW DPC LEVEL SHALL BE AS THE WALL ABOVE. CAVITY BELOW GROUND LEVEL SHALL BE FILLED WITH LEAN MIX CONCRETE (1:12 MIX) AS SHOWN ON DETAILS. EXTERNAL WALLS TO HAVE A MINIMUM OF 3 COURSES OF FACING BRICKWORK BELOW DPC OR A MINIMUM OF 4 COURSES OF BRICKWORK BELOW FINISHED GROUND LEVEL. PERPENDS SHALL BE LEFT OPEN AT 150mm c/c. BELOW D.P.C. COURSING TO BE MADE UP TO REQUIRED DPC WHERE NECESSARY BY: USE OF MANUFACTURED COURSING BLOCKS.
a) EQUAL MINOR ADJUSTMENTS TO MORTAR COURSES.
b) NOMINAL 10mm BED JOINTS, 7mm MINIMUM, 13mm MAX.

- WHERE BACK FILLING OR RAISING OF EXISTING GROUND LEVELS IS TO BE CARRIED OUT THE CONTRACTOR IS TO ENSURE THAT FILLING IS CARRIED OUT SIMULTANEOUSLY TO BOTH SIDES OF NEW WALLS OR CONSTRUCTION.

- BLOCKWORK BELOW GROUND OR BELOW DPC LEVEL IS TO BE CONSTRUCTED WITH AT LEAST 7.5mm MIN. BLOCKS IN A CLASS (ii) MORTAR.

- CAVITY TIES BELOW DPC:
EXTERNAL WALLS
S/STEEL RT2 (TYPE 2) 225mm LONG AT 450mm CRS VERTICALLY, 750mm CRS HORIZONTALLY, STAGGERED.
PARTY WALL TIES
S/STEEL HRT4 TIES 225mm LONG AT 450mm CRS VERTICALLY, 900mm CRS HORIZONTALLY, STAGGERED.

- SUSPENDED FLOOR SLAB:
4.1 150mm DEEP BEAM & EPS BLOCK FLOOR SYSTEM DESIGNED AND SUPPLIED BY AN APPROVED SPECIALIST. STANDARD BEAM & BLOCK FLOORS IN GARAGES.
4.2 BUTTRESS WALLS TO BE BUILT DIRECTLY OFF SUSPENDED FLOOR SLAB. REFER TO ARCHITECT'S DRAWINGS FOR LOCATIONS OF BUTTRESS WALLS.

- DAMP/GAS PROOF MEMBRANE TO BS 8485:2015 & A1:2019 DAMP PROOF MEMBRANE AND CAVITY TRAY IS TO BE CARBON DIOXIDE RESISTANT AND IS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND LAID IN ACCORDANCE WITH SPECIALIST'S DETAILS. MEMBRANE TO BE CONTINUOUS ACROSS ALL CAVITIES AND LAPPED AND TAPED TO CAVITY TRAY. ADHESIVE SEAL TO BE MADE AROUND CAVITY TIES PASSING THROUGH MEMBRANE BY INSTALLER. VALIDATION REQUIRED BY THIRD PARTY

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