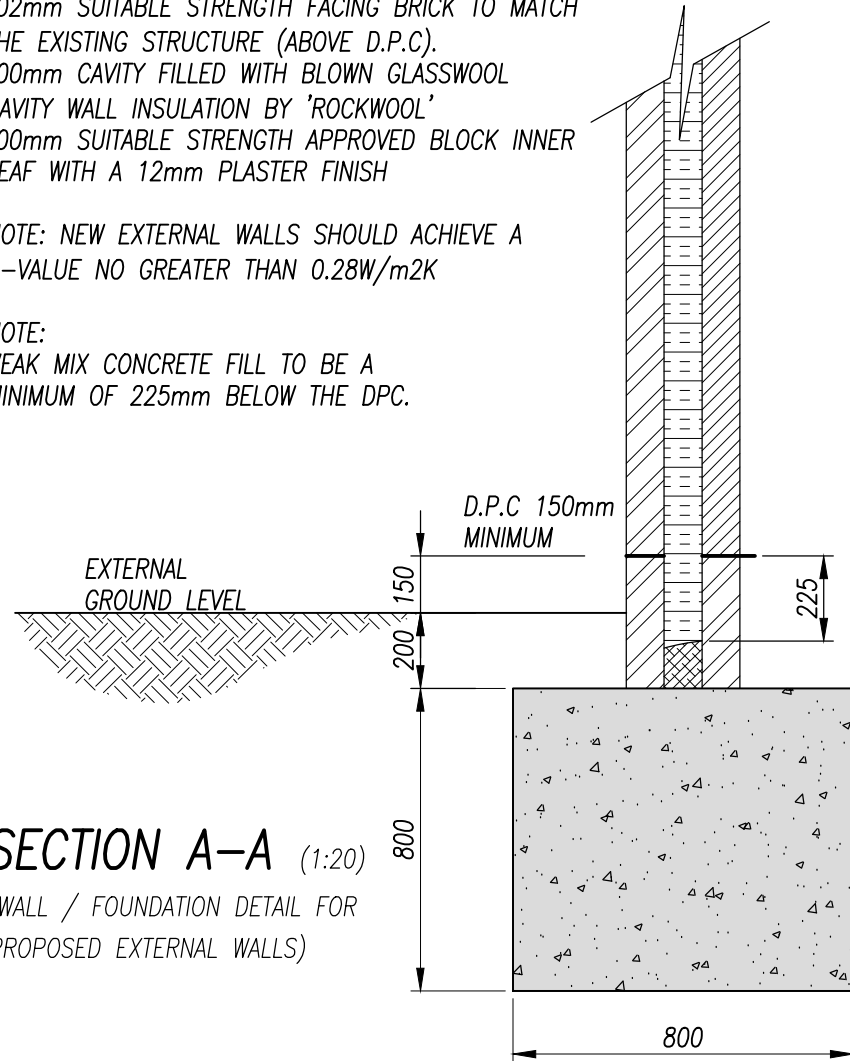


NEW WALL CONSTRUCTION TO BE:

102mm SUITABLE STRENGTH FACING BRICK TO MATCH THE EXISTING STRUCTURE (ABOVE D.P.C).
 100mm CAVITY FILLED WITH BLOWN GLASSWOOL
 CAVITY WALL INSULATION BY 'ROCKWOOL'
 100mm SUITABLE STRENGTH APPROVED BLOCK INNER LEAF WITH A 12mm PLASTER FINISH

NOTE: NEW EXTERNAL WALLS SHOULD ACHIEVE A U-VALUE NO GREATER THAN 0.28W/m2K

NOTE:
 WEAK MIX CONCRETE FILL TO BE A MINIMUM OF 225mm BELOW THE DPC.



SECTION A-A (1:20)

(WALL / FOUNDATION DETAIL FOR PROPOSED EXTERNAL WALLS)

NEW WALL TIES:

ALLOW FOR 2.5 WALL TIES PER m2 OF MASONRY.
 MAX HORIZONTAL SPACING 900mm
 MAX VERTICAL SPACING IS 450mm.

EACH WALL TIE TO BE SET A MINIMUM OF 50mm INTO BOTH MASONRY LEAVES.

WALL TIES TO LAY TO A SLIGHT 'OUTWARD' FALL TO PREVENT WATER PASSING TO THE INNER LEAF.

ALL INSULATION RETAINING CLIPS MUST BE COMPATIBLE WITH CHOSEN TIE.

WALL TIE PATTERN TO BE ALTERED AROUND OPENINGS SUCH AS WINDOWS, DOORS, ROOF VERGES AND MOVEMENT JOINTS. VERTICAL SPACING IS REDUCED TO A MAXIMUM 300mm AND SHOULD BE WITHIN 225mm OF THE OPENING. (APPROXIMATELY A WALL TIE EVERY COURSE OF BLOCKS WITHIN 225mm OF THE OPENING).

CAVITY WALL TIES MUST BE STAINLESS STEEL

FINAL FOUNDATION DEPTH IS TO BE AGREED ON SITE TAKING INTO CONSIDERATION THE EXISTING FOUNDATION DEPTH AND NOT UNDERMINING ANY PART OF THE EXISTING OR NEW FOUNDATIONS.

NEW FLOOR SLAB TO EXTENSION TO BE:

150mm THK RC35 SLAB REINFORCED WITH 1 LAYER OF A192 MESH TOP (25mm COVER) ON:

1 LAYER OF 1200g 'VISQUEEN' DPM ON:

100mm KINGSPAN KOOLTHERM K3 INSULATION ON:

1 LAYER OF 1200g 'VISQUEEN' DPM ON:

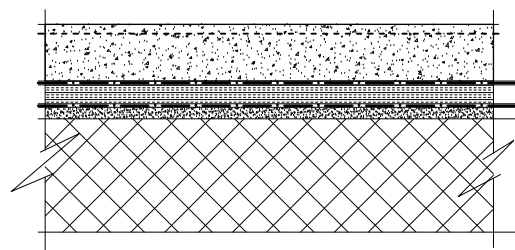
30mm SAND BLINDING ON:

150 CLEAN STONE HARDCORE (SULPHATE FREE), WELL COMPACTED (NO RECLAIMED DEMOLISHED MATERIAL PERMITTED)

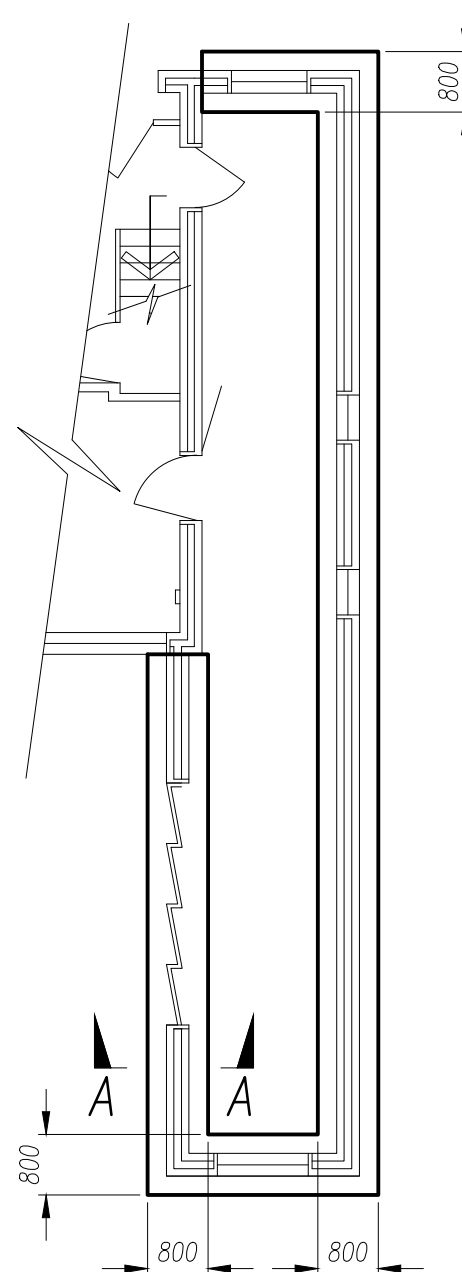
GENERAL FLOOR SLAB NOTES:

IF THE EXISTING FLOOR IS VENTILATED VIA AIRBRICKS PROVIDE SUITABLE CHANNELS FROM THE AIRBRICKS THROUGH THE NEW SLAB TO VENTS IN NEW EXTERNAL WALLS (TO THE SATISFACTION OF THE BUILDING CONTROL OFFICER).

ALLOW FOR 25mm MINIMUM PERIMETER INSULATION TO FLOOR SLAB USING 'KINGSPAN' KOOLTHERM K3 INSULATION.



NEW FLOOR SLAB DETAIL (1:20)



GENERAL FOUNDATION NOTES:

ALLOW FOR ALL NECESSARY PLANKING, SHUTTERING AND SHORING TO THE SIDES OF EXCAVATIONS FOR THE DURATION OF THE WORKS.

THE CONTRACTOR MUST ENSURE THAT THE PROPOSED FOUNDATIONS DO NOT UNDERMINE THE EXISTING FOUNDATIONS AT ANY LOCATION (INCLUDING THAT OF ANY NEIGHBOURING BUILDINGS IN CLOSE PROXIMITY). NEW FOUNDATIONS ARE TO BE STEPPED WHERE NECESSARY (ALL STEPS ARE TO BE APPROVED BY THE LOCAL AUTHORITY BUILDING INSPECTOR).

CONCRETE TO BE GRADE RC30 TO B.S EN 206:2013 – CONCRETE SPECIFICATION, PERFORMANCE, PRODUCTION AND CONFORMITY: BS 8500-1:2015 & BS 8500-2:2015.

USE ENGINEERING BRICKWORK BELOW D.P.C LEVEL (BOTH LEAFS) DURABILITY CLASS F.L. TO B.S 3291 WATER ABSORPTION TO BE LESS THAN 7% (ENG. CLASS B OR SIMILAR)

FINAL DEPTH AND WIDTH OF NEW FOUNDATIONS IS TO BE DETERMINED ON SITE BY THE APPOINTED CONTRACTOR AND AGREED WITH THE LOCAL AUTHORITY BUILDING CONTROL OFFICER, BEARING STRATUM IS TO BE INSPECTED AND APPROVED BY THE BUILDING CONTROL OFFICER.

FOUNDATIONS MUST NOT BE POURED WITHOUT THE APPROVAL OF THE BUILDING CONTROL OFFICER.

FOUNDATIONS (AND EXCAVATIONS FOR FOUNDATIONS) MUST NOT BE PROVIDED ON ANY PART OF A NEIGHBOURING PROPERTY OR NEIGHBOURING LAND WITHOUT FULL APPROVALS FROM THE OWNER OF THE LAND AND PROPERTY. ALL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE PARTY WALL ACT.

PROPOSED FOUNDATION LAYOUT PLAN (1:100)

SECOND DRAFT FOR CONTRACTOR
 DISCUSSIONS / LOCAL AUTHORITY APPROVALS

LOCATION ADDRESS: 8 PARKFIELD GROVE, MAGHULL L31 7DD		DRAWING TITLE: STRUCTURAL DETAILS No1		DRG PRINTED AT A3 SIZE	
		PROJECT DESCRIPTION: – DEMOLISH REAR GARAGE AND PROVIDE A SINGLE STOREY SIDE EXTENSION ALSO COVERING FOOTPRINT OF GARAGE		DATE: MAR 20	SHEET No: 12 OF 14
				DRAWING NUMBER: IW/0320/12	