

NEW WALL CONSTRUCTION TO BE:
EXTERNAL CLADDING / RENDER FINISH (TO BE AGREED WITH THE HOUSEHOLDER)

103mm SUITABLE STRENGTH FACING BRICK TO MATCH THE EXISTING STRUCTURE (ABOVE D.P.C).

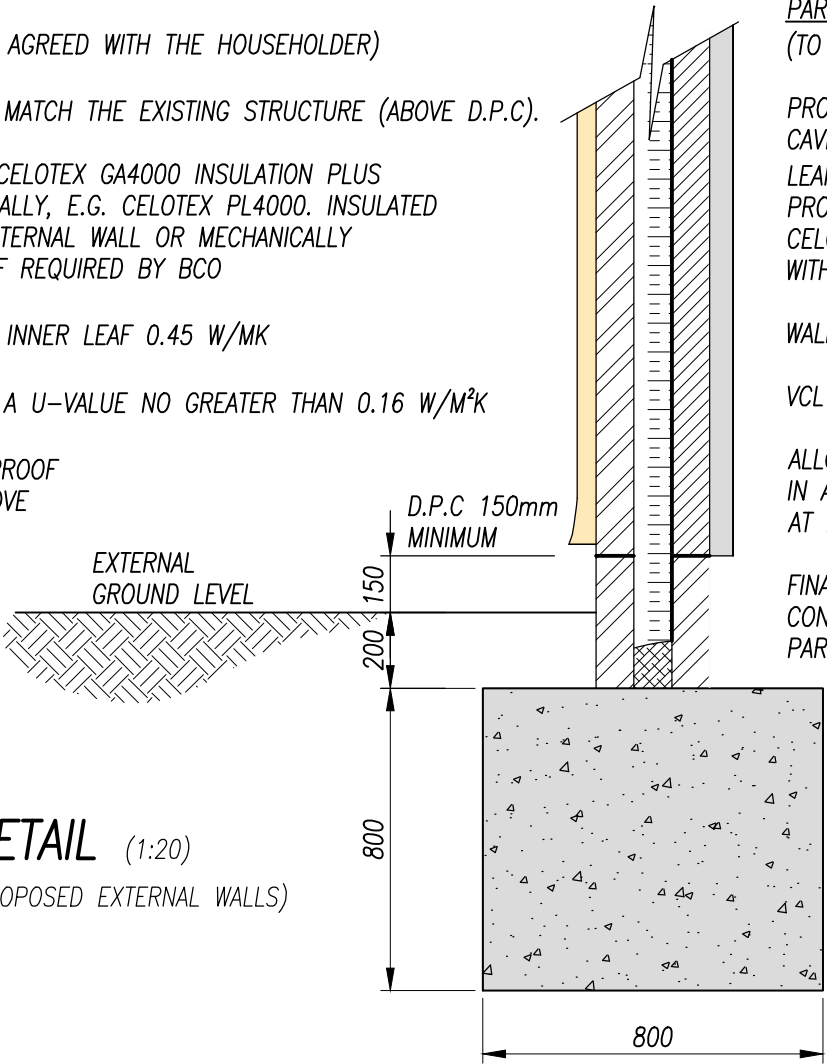
100mm CAVITY PARTIALLY FILLED WITH 50mm CELOTEX GA4000 INSULATION PLUS 62.5mm PIR INSULATED PLASTERBOARD INTERNALLY, E.G. CELOTEX PL4000. INSULATED PLASTERBOARD TO BE DOT AND DABBED TO INTERNAL WALL OR MECHANICALLY FIXED USING BATTENS. VCL TO BE PROVIDED IF REQUIRED BY BCO

100mm SUITABLE STRENGTH APPROVED BLOCK INNER LEAF 0.45 W/MK

NOTE: NEW EXTERNAL WALLS SHOULD ACHIEVE A U-VALUE NO GREATER THAN 0.16 W/M²K

HORIZONTAL STRIP POLYMER (HYLOAD) DAMP PROOF COURSE TO BOTH LEAFS MINIMUM 150mm ABOVE EXTERNAL GROUND LEVEL

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



PARTIAL FILL CAVITY WALL WITH INTERNAL INSULATION
(TO ACHIEVE MINIMUM U VALUE OF 0.18 W/m²K)

PROVIDE 103mm SUITABLE FACING BRICK. ENSURE A 50mm CLEAR RESIDUAL CAVITY AND PROVIDE 50mm CELOTEX CW4000 INSULATION FIXED TO INTERNAL LEAF BLOCKWORK CONSTRUCTED OF 100mm, 0.45 W/m²K STANDARD BLOCK. PROVIDE ADDITIONAL 62.5mm PIR INSULATED PLASTERBOARD INTERNALLY E.G. CELOTEX PL4000, FIXED USING DOT AND DAB METHOD OR BATTENS. FINISH WITH PLASTER SKIM.

WALLS TO BE BUILT WITH 1:1:6 CEMENT MORTAR.

VCL TO BE PROVIDED UNDER INSULATED PLASTERBOARD IF REQUIRED BY BCO.

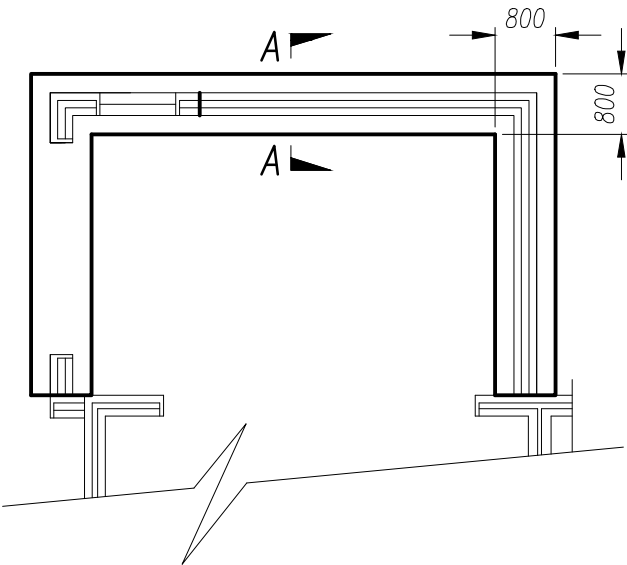
ALLOW FOR – STAINLESS STEEL RETAINING WALL TIES BUILT IN AT 750mm CTRS HORIZONTALLY, 450mm VERTICALLY AND 225mm CTRS AT REVEALS AND CORNERS IN STAGGERED ROWS.

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.

FOR ADDITIONAL FOUNDATION NOTES, SEE PROPOSED FOUNDATION LAYOUT PLAN.

WALL / FOUNDATION DETAIL (1:20)

(TYPICAL WALL / FOUNDATION DETAIL FOR PROPOSED EXTERNAL WALLS)



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)

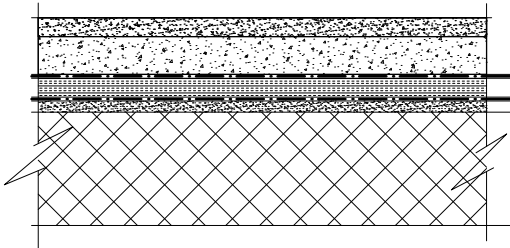
FINAL DEPTH AND WIDTH OF NEW FOUNDATIONS IS TO BE DETERMINED ON SITE BY THE APPOINTED CONTRACTOR AND AGREED WITH THE LOCAL AUTHORITY BUILDING CONTROL OFFICER, BEARING STRATUM IS TO BE INSPECTED AND APPROVED BY THE BUILDING CONTROL OFFICER.

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)

NEW FLOOR SLAB TO EXTENDED AREAS TO BE:
50mm SELF LEVELING FLOOR SCREED ON:
100mm THK RC30 SLAB 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:
CLEAN STONE HARDCORE (SULPHATE FREE), WELL COMPACTED
IN 150mm LAYERS (NO RECLAIMED / DEMOLISHED MATERIAL)



NEW FLOOR SLAB DETAIL (1:20)

(NEW EXTENDED SECTIONS)

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 TO BE LEVEL WITH THE EXISTING FLOOR SLAB. THIS MAY INCLUDE A SCREED COVERING BOTH THE NEW AND THE EXISTING KITCHEN SLAB

DRAWINGS FOR LOCAL AUTHORITY APPROVALS

LOCATION ADDRESS: 8 SINGLETON DRV, LIVERPOOL L34 0HE	DRAWINGS FOR LOCAL AUTHORITY APPROVALS	DRG PRINTED AT A3
	DRAWING TITLE: STRUCTURAL DETAILS No1	DATE – JULY 2023
	PROJECT DESCRIPTION: TO CONSTRUCT A NEW SINGLE STOREY REAR EXTENSION	DRAWING No (08 OF 10) DRAWING NUMBER: T/0723/08