

DRAINAGE - Surface water New rainwater goods to match existing

New downpipes from orangery to be connected into new 100mm dia. drain runs and taken to soakawa location of soakaways to be agreed with Building Inspector on site. Generally designed in accordance w

UNDERGROUND DRAINAGE Generally

100mm flexible jointed upvc pipework on bed and surround of 100mm pea gravel, laid to falls of prefera laid in accordance with manufacturers' instructions and British Standard / Agreement Board requirement chambers / rodding access points at all changes of direction. All pipework to be fully sleeved when pass

DRAINAGE - ABOVE GROUND Generally to comply with BS 5572: 1994

Washbasins : 32mm diameter.

Baths and sinks : 40mm diameter, PVC wastes and 75mm d/s trap. Waste and trap provision for washing proprietary fittings). Trunk wastes where applicable to be 50mm diameter. Use anti-vac traps where nec W.C.: 100mm diameter flexible connection to 100mm PVC Soil pipe. Access/cleaning eyes should be provided at all changes in direction of internal drainage pipework. Any

100mm diameter soil + vent pipes (S+VP) to terminate above roof not less than 1000mm above any ad 4 lead flashing collar and apron, or patent equivalent fitting (or use ridge tile terminal).

Soil pipe boxings are to be fully filled with mineral wool insulation. Provide access panels to SVP boxing 100mm diameter air admittance valves (AAV) to terminate 600mm above highest fitting served. Ensure all heads of drain runs are vented.

FOUNDATIONS

New 600mm wide trench fill foundations, to same depth as foundations of existing dwelling. Contractor to go down to min. invert level of existing drain runs as applicable. Final depth dependent upon Buildi 525mm from finished floor level. NHBC guideline for building near trees to be adhered to at all times.

GROUND FLOOR To achieve "U" value 0.18W/m²k

70mm sand + cement screed with fibres, on vapour barrier, on 100mm 'Celotex', on 1200 gauge polyt 100mm reinforced concrete slab on 125mm sand blinded well compacted hard core. Provide cavity d.p. Floor level to be adjusted as necessary to suit Client preferred floor finish.

600x600x450 deep radon sump vented to outside air via 100mm UPVC pipework. Provide full radon barrier taken across cavity as necessary.

WALLS

RADON

BELOW DPC LEVEL

Concrete blocks suitable for use underground, or semi-engineering brickwork to BS 3921. Mortar: cem External walls generally to be cavity walls, nominal 300mm thickness. Visible work to external leaf of the engineering bricks.

Prestressed precast concrete lintels to be built in to the load-bearing walls above drains and service ent 'Hyload' or similar approved damp proof course to be installed in the walls: not less than 150mm above the perimeter walls.

Finished floor level of dwelling to be at the same level as the DPC in the outer leaf of the perimeter cav Cavity tray fitted to perimeter of building above DPM fitted over aluminum cill.

EXTERNAL WALLS - ABOVE DPC LEVEL

To achieve "U" value 0.18W/m²k

External skin of blue engineering brick work, 50mm cavity, 142 SIPs panel, breather membrane external battens to form service void and plasterboard and skim finish.

FLAT ROOF To achieve "U" value 0.15W/m²k

'Resitrix' or similar single ply roofing membrane fitted in accordance with manufacturers instructions or underdrawn with vapour check membrane and 15mm plasterboard and skim finish.

DOORS and WINDOWS

Double-glazed high performance doors and windows to clients requirements. Confirm final glazing arr door and windows must achieve a maximum 'U' value of 1.40W/m²k. Certification that windows and do Inspector by the Contractor upon completion. New windows and doors to be fitted with trickle ventilate ventilation. All glazing in new doors and windows within 300mm of a door jamb and below 1500mm to 800mm is to be safety glazing in accordance with BS6206: 1981. New doors and windows to lap insulated cavity closers by minimum 30mm. New windows to have ope min. 1/20th floor area of each room. Contractor to ensure sufficient size cill is provided to give adequat

Mastic bed and point all round new doors and windows internally/ externally. STEELWORK

All new steel beams in accordance with Structural Engineer's details and calculations, to include padsto to be encased to achieve 1/2hrs fire protection. Locate all steelwork within floor void, i.e. no downstand

MECHANICAL VENTILATION

Provide mechanical extract fan in the following rooms to be capable of extracting at a rate of not less t Kitchen - 30 litres/sec adjacent to hob, or 60 litres/sec elsewhere. WC - 15litres/sec

Contractor to agree routes for all extract ductwork with Client prior to installation.

LINTELS

New lintels to be IG Lintels sized in accordance with manufacturers load and span tables with 150mm r

HEATING Contractor to liase with Client and agree heating items within extension prior to commencement. All n

FIRE PROTECTION

Smoke Detectors To BS 5446 Part 1 and Building Regulations Part B, 2000. To be mains operated with battery back up.

Failure of the system should trigger a visual or audible signal on each floor or on one monitoring device Detectors are to be located min 300mm from walls and light fittings. Heat detectors in Kitchens and Sm

ELECTRICS

Prior to commencement of works Contractor to site check existing Distribution Board and confirm suit remedial works to be carried out. Contractor to liase with Client and agree final details of all electrical items prior to commencement. All Part P (Electrical safety) and must be designed, installed, inspected and tested by a person competent satisfied that either:

A. An electrical installation certificate issued under a competent person Scheme has been issued; or B. An appropriate electrical installation certificate has been issued for the work and that it has been Apply sealant to perimeter of any electrical outlets within external walls to reduce air leakage. Any new or replacement lighting to be a satisfactory energy efficient type in accordance with regulatio

EXTERNAL WORKS Contractor to re-instate all external surfaces as existing where disturbed through proposed excavations

finish to be discussed and agreed with Client.

All works to be carried out in accordance with current Building Regulations, whether stated or not on c Inspector. Any variations to the approved drawings must be agreed in writing with the Building Inspect All materials and components to be installed in strict compliance with manufacturers instructions, relev All details on these drawings are based on typical site conditions related to the area. No responsibility be discovered during construction.

NOTES 1. "Party Wall Act 1996". Client to notify neighbours of proposals in writing one month prior to exc have no objections to the proposals prior to commencement of works.

- 2. Contractor to notify Health & Safety Executive (H.S.E.) of project prior to commencement using I All electrical works to be carried out by an approved I.E.E. electrician
- Any gas installation to be carried out by Gas Safe Register installer (previously CORGI).
- Contractor to locate all existing services prior to commencement and make safe or take precauti Contractor and his operatives to ensure all relevant Health and Safety Acts are adhered to throug
- Contractor to ensure all excavations are covered and made safe at end of each working day. Contractor to make Client aware of any hazards throughout contract.
- Site is to be kept clean and tidy throughout works. Contractor to discuss and provide Client with programme of works.
- 11. All internal finishes are to be left clean and tidy for decoration by Client unless agreed otherwise.
- 12. Contractor to discuss and confirm all electrics, heating and finishes with Client prior to commence and shown to Client for approval prior to fixing. 13. Samples of all materials i.e. bricks, roof tiles, internal finishes etc. to be shown to Client for appro
- 14. Contractor to ensure existing dwelling is kept watertight throughout contract. 15. Contractor to confirm external finishes i.e. render, roof tiles to Local Authority (Planning Departm All dimensions to be checked on site. Do not scale drawing.
- 17. Contractor to notify Building Control 24hours prior to commencement of the works. 18. Contractor to ensure that Building Inspector is notified AND carries out regular inspection of wo
- 19. Contractor to agree area for storage of materials together with facilities available on site i.e. wate commencement.
- 20. Any changes to the drawing or specification to be confirmed with Ellis Architectural Design prior 21. Any queries arising from structural steelwork to be discussed and agreed with the Structural Eng

0 0.1 0.2

ays min. 5metres from any building. Final size and with BRE Digest 365.	© This drawing and the building works depicted are the copyright of Ellis Architectural Design and may not be reproduced or amended except by written permission. No liability will be accepted for amendments made by other persons.
ably not less than 1 in 40 and 1:60 respectively and nts (if and as applicable); Provide inspection using through foundations.	Work to given dimensions only. All dimensions to be checked on site. Any discrepancies to be discussed and agreed with Ellis Architectural Design prior to proceeding.
	The contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection
g machine/ dishwasher to be as for sinks. (Use cessary.	points before work starts. The Contractor is to comply in all respects with current Building Legislation, British Standard Specifications, Building Regulations, Construction (Design &
concealed waste pipes should have solvent welded ljacent window head level; balloon grating and code	Management) Regulations, Party Wall Act etc. whether or no specifically stated on this drawing. This drawing must be rea
for future maintenance	with and checked against all relevant Engineer's and Architect's drawings and all other specialist documentation provided.
r to allow provisional depth of 1000mm. Foundations ng Inspectors approval. Top of foundation set out	This drawing is not intended to show details of ground conditions or ground contaminants. Each area of ground relied upon to support any structure depicted (including drainage) must be investigated by the Contractor. Any suspect or fluid ground, contaminants on or within the ground, should be further investigated by a suitable expert.
nene d.p.m/radon barrier, taken across cavity wall, on tray over with weep hole ducts over @ max. 900cts	A Structural Engineer needs to be consulted to design foundations and services below ground, and to ensure the stability of the proposal. Wall strengthening/stiffening and design of spanning members needs to be undertaken and designed. This may affect the layout as shown. The Engineer is also to assess the existing structure to verify that it and its foundation is adequate to carry the additional loading to be
ent/sand 1:4 (unless sulphates are present) e cavity walls below DPC level to be class B	placed upon it by the proposals. All works to be carried out in accordance with current
ry points. e finished external ground level in the outer leaf of	building regulations and relevant codes of practice. A specialist Consultant will be required to carry out
ity walls.	calculations to prove compliance with Part L of the Building Regulations. The dimensions given on this drawing are for reference
ly and vapour check membrane internally. 25x50	purposes only and are to be used as a guide only. They are all to be measured on site or in terms of the new build sections to be verified on working drawings.
142 SIPs panels laid to falls on tapered firrings,	
angement and style with Client prior to ordering. New or comply with this to be passed to the Building or to give the equivalent to 8000sq.mm background gether with windows where cill height is below	
ing lights to give natural ventilation equivalent to e overhang to wall.	
nes. All new steelwork supporting first floor structure . Contractor to allow for cost of engineer.	
nan that shown -	
nin. end bearings. Should alternative lintel weep holes above external openings at max 450cts.	
ew radiators to be fitted with thermostatic valves.	
e suitably located. loke detectors in Living Rooms to BS 5839.	
bility to extend for proposals or advise any other	
electrical works to be carried out in accordance with o do so. Prior to completion the Council must be	
signed by a person competent to do so. n L1B.	
and service trenches. Any specific changes in surface	
rawings, and to the satisfaction of the Building	ARoof detail altered08/08/23Rev.DescriptionDate
ant Codes of Practice and current British Standards. an be accepted for abnormal conditions, which may	<u>Title</u> Section and Specification
vations. Neighbours to confirm in writing that they	Project
0 notification form as/if applicable.	Glazed walkway. Internal alterations. Carport and storage/workshop.
ons as necessary. hout contract.	Site The Old Plough
ement Socket outlat positions to be marked an unit	41 Main Street, Caldecott LE16 8RS
ement. Socket outlet positions to be marked on wall ral prior to ordering.	Drawing No: SE/1445/7a Date: 06/03/2023 Scale: 1:10 @ A1
ent) for approval prior to commencement.	Date: 06/03/2023 Scale: 1:10 @ A1 Drawn By: LR Checked By: SE
ks during construction. r, electricity, toilet provisions with Client prior to	-
to commencement. neer direct.	
	Ellis Architectural Design
0.3 0.4 0.5 0.6 0.7 0.8 0.9 SCALE BAR 1:10	5 North Portway Close, Round Spinney, Northampton, NN3 8RQ Website: www.ellisarchitecturaldesign.co.uk Email: info@ellisarchitecturaldesign.co.uk

Tel: 01604 491666

NOTES