



NOTES:

1. THIS DRAWING MUST NOT BE SCALED.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER PROJECT DRAWINGS.

FOUNDATION PLAN 1:50

EXTERNAL DRAINAGE

All underground drainage to fully comply with BS EN 752-3:1997, BS EN 752-4:1998, BS EN 1610:1998 and BS 12056 2 : 2000.

Contractor to establish position of existing drainage.

All drainage to be laid, tested and connected to the entire satisfaction of the Local Authority Building Standards Department and to comply with BS8301:1985

Bed/surround any existing drainage found under new extension in pea gravel

New drains passing through loadbearing walls above found level to be protected by cuttings of Robeslee type C, prestressed concrete lintols min 100mm bearing both sides.

New drainage to be 110mm diameter upvc soil and surface water one pipe system by Marley or equal and approved and to be connected to existing system

Drainage below ground level to be installed in accordance with BS4514 & BS4567 and to be kite marked.

All traps to comply with BS3942:1979 and anti-syphonage traps and fittings to comply with BS5256:1982

New drainage to be laid to 1:40 gradient and at a min depth of 450mm from ground level to bottom of pipe and be Type F bedded in min 100mm pea gravel

Drains to be backfilled after smoke test (with Local Authority Building Standards in attendance) to 50mm above crown of pipe with pea gravel as above. Backfill to finished ground level with selected fill free of stones larger than 40mm, lumps of clay over 100mm, timber, frozen material or vegetable matter.

Drains to be air tested to satisfaction of Local Authority.

The existing drainage is a separate system

INTERNAL DRAINAGE

Supply and fit all necessary wastes, traps etc. to all sanitary fittings Allow for the following internal drainage:

50mm dia. UPVC wastes to all sinks

Maximum gradient for all internal drainage 45mm/m.

Minimum gradient for all internal drainage 18mm/m.

All underfloor drainage to be 100mm dia. UPVC and to be haunched in concrete in accordance with the manufacturers recommendations.

Internal pipework to be to BS EN 12056 2 :2000 and BS 2871:Part 1

Supply and fit all necessary wastes, traps etc. to all sanitary fittings

Allow for the following internal drainage:

110mm dia. UPVC wastes to all W.Cs

50mm dia. UPVC wastes to all sinks and showers

40mm dia. UPVC to all W.H.B (maximum 1.7m from stack)

75mm Deep seal traps to be fitted to all sinks, wash hand basins and wc's.

All underfloor drainage to be 100mm dia. UPVC and to be haunched in concrete in accordance with the manufacturers recommendations.

Internal pipework to be to BS EN 12056 2 :2000 and BS 2871:Part 1

FOUNDATIONS

600x200mm in-situ concrete strip foundations .

Foundations to be taken to existing formation level or 600mm below ground level whichever is greater.

Allow for vertical DPC where new extension walls abut existing wall.

SOLUM

All top soil, vegetable matter & loose subsoil to be removed down to firm subsoil prior to construction of solum

as per engineer's specification

150mm min between underside of joists and screed

FLOOR

18mm t&g flooring on 50 x 200 mm C16 treated timber joists at

400mm crs on 150x25mm treated sw wallplate on DPC

200mm thick celotex XR4000 insulation fixed between joists

min 150mm space between bottom of joists and top surface of

solum to limit thermal bridging a 20mm strip of perimeter insulation

with thermal conductivity of not more than 0.025W/mK to be installed

between wall and last joist

Sub floor ventilators 220x65mm to be installed in the perimeter wall

at not more than 1500mm crs

any heating pipes below the insulation to be insulated

Floor construction to give u-value of no greater than 0.15W/m2K

PROPOSED EXTENSION TO
47 CRANNOG WAY
KILWINNING

DRAWING NO - 02