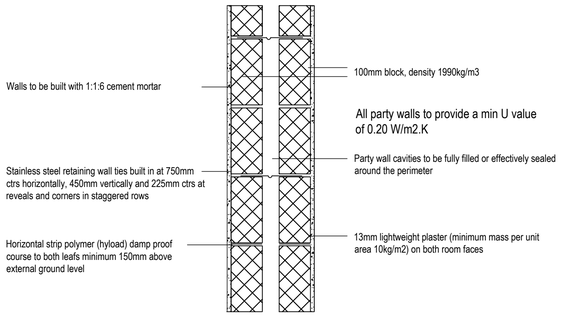
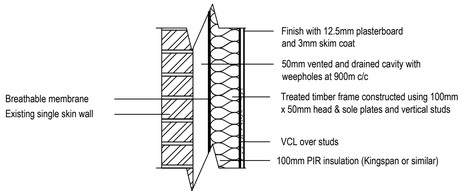
9 BLOCKWORK CAVITY WALL



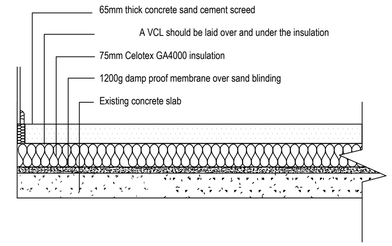
10 UPGRADING 100mm WALL (cold adjoining space)



UPGRADE OF BRICK FINISH WALL WITH TIMBER FRAME

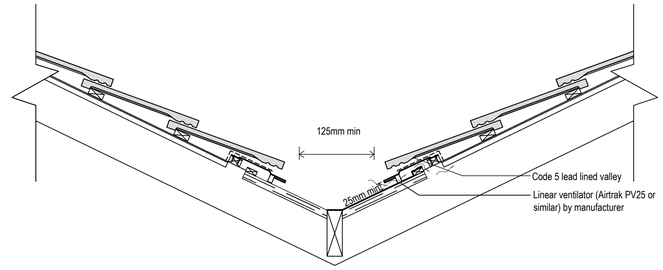
To achieve minimum U Value of 0.28W/m²K
The existing walls must be checked for stability and be free from defects as required by the Building Control Officer. Provide a scratch coat render to existing wall.
50mm vented and drained cavity to be provided to existing wall, tied to breathable membrane. Treated timber frame studs constructed using 100mm x 50mm C16 treated timbers with head & sole plates and noggins at 600mm ctrs or to s/engineer's details & calculations. Insulation to be 100mm PIR insulation (Kingspan or similar) between studs with VCL over studs. Finish with 12.5mm plasterboard and 3mm skim coat. All junctions to have water tight construction, seal all perimeter joints with tape internally and with silicon sealant externally.

11 UPGRADE OF GROUND FLOOR (SCREED)



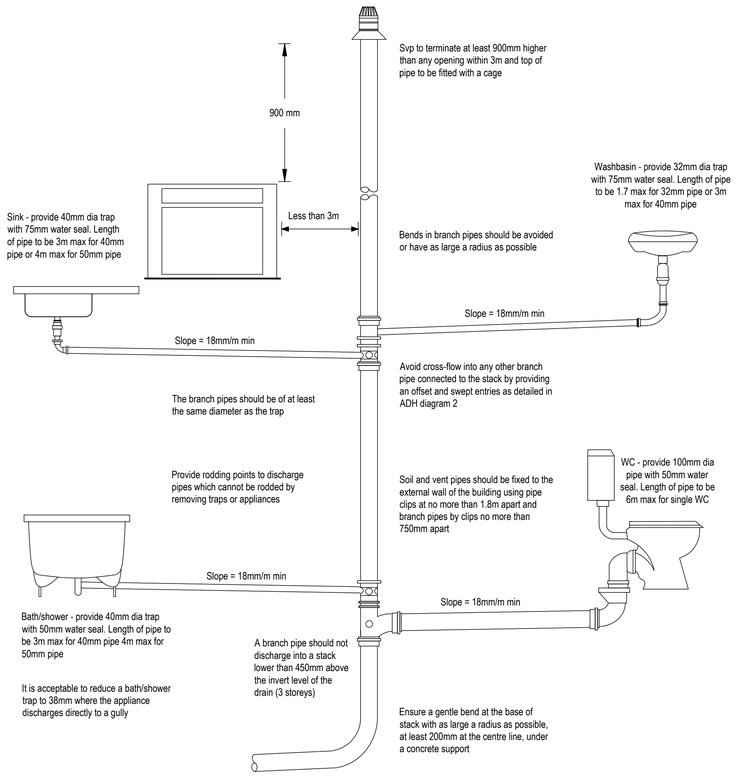
UPGRADING EXISTING SOLID FLOOR
To meet min U value required of 0.25 W/m²K
The existing solid floor slab must be checked for stability and be free from defects as required by Building Control. The existing floor will need upgrading to ensure adequate damp protection and to prevent heat loss. Provide 1200 gauge polythene DPM or 3 coats RIW over existing concrete slab (if required). DPM to be lapped in with DPC in walls. Floor to be insulated over slab and DPM with min 75mm thick Celotex GA4000, 25mm Celotex insulation to continue around floor perimeters to avoid thermal bridging.
A VCL should be laid over the insulation boards and turned up 100mm at room perimeters behind the skirting, all joints to be lapped 150mm and sealed. Finish with 65mm sand/cement finishing screed with light mesh reinforcement. Care should be taken to ensure any existing airbricks for the main house are not obstructed by this work. If so, they should be extended through the new floor to external air. Where drain runs pass under floor provide A142 mesh 1.0m wide and min 50mm concrete cover over length of drain. A lesser provision may be appropriate where meeting such a standard would create significant problems in relation to adjoining floor level.

COLD ROOF VALLEY DETAIL



LEAD VALLEYS
The PV25 and PV25M Pitched Valley Ventilators provide a 25mm continuous ventilation detail to a pitched valley between two roof pitches. The PV25M has an additional expanded metal mesh element for where the verge of the valley needs to be bedded on cement.

ABOVE GROUND DRAINAGE



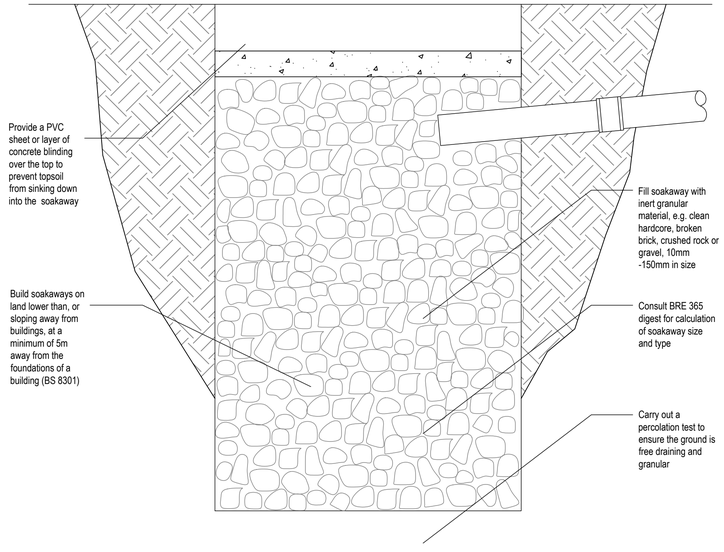
ABOVE GROUND DRAINAGE
All new above ground drainage and plumbing to comply with BS EN 12056-2:2000 for sanitary pipework. All drainage to be in accordance with Part H of the Building Regulations. Wastes to have 75mm deep anti vac bottle traps and rodding eyes to be provided at changes of direction.

Size of wastes pipes and max length of branch connections (if max length is exceeded then anti vacuum traps to be used)
- Wash basin - 1.7m for 32mm pipe 4m for 40mm pipe
- Bath/shower - 3m for 40mm pipe 4m for 50mm pipe
- W/C - 6m for 100mm pipe for single WC

All branch pipes to connect to 110mm soil and vent pipe terminating min 900mm above any openings within 3m, or to 110mm upvc soil pipe with accessible internal air admittance valve complying with BS EN 12380, placed at a height so that the outlet is above the trap of the highest fitting. Waste pipes not to connect on to SVP within 200mm of the WC connection. Supply hot and cold water to all fittings as appropriate.

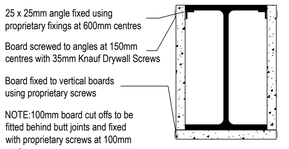
SOAKAWAY

Soakaway size and type dependent on space requirements, site layout, topography, water table, subsoil type, etc.
Designed to BS EN 752:2017 and BRE digest 365



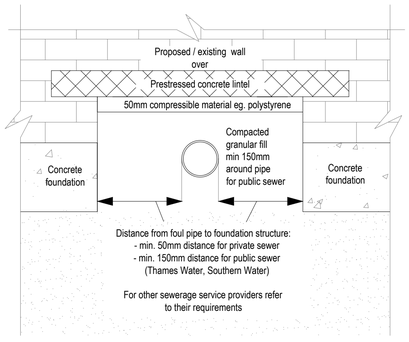
FIRE PROTECTION OF STEEL BEAM

(Knauf fire board - as section 6 :2012 of manufacturer's details)



BEAMS
Supply and install new structural elements such as new beams, roof structure, floor structure, bearings, and padstones in accordance with the Structural Engineer's calculations and details. New steel beams to be encased in 12.5mm Gyproc FireLine board with staggered joints. Gyproc FireCase or painted in Nullifire S or similar intumescent paint to provide 1/2 hour fire resistance as agreed with Building Control. All fire protection to be installed as detailed by specialist manufacturer.

BRIDGING DETAIL OVER SEWER



- Foundation and structural support bridging over sewer pipes to Structural Engineer details, specifications and bearing requirements
- No additional loads to be transmitted to sewer pipes
- New connections to existing sewer network to be constructed in matching materials and via a manhole or a pre-formed junction
- Foundations to be taken down a minimum of 150mm below invert.
- Minimum 300mm space between floor level and crown of pipe.
- Mask opening on all sides with rigid sheet material to prevent entry or fill or vermin.

	Drawn by:	**Project:** Woodbourne Road 2, Smethwick, B67 5LY	**Date:** 18.03.2024	**No.:** 24-0368
	Client:	**Drawing Title:** BUILDING CONTROL NOTES / DETAILS	**Scale @A1:** NOT TO SCALE	**Rev:** 03
				Page: D07

priest ARCHITECTURE