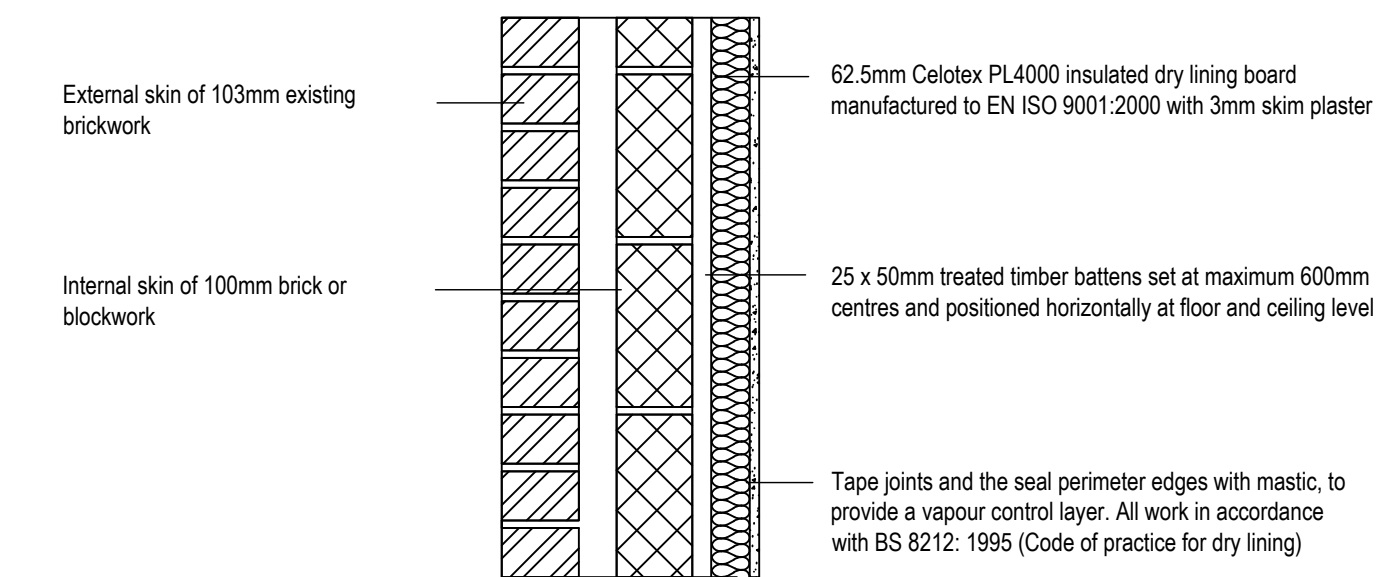
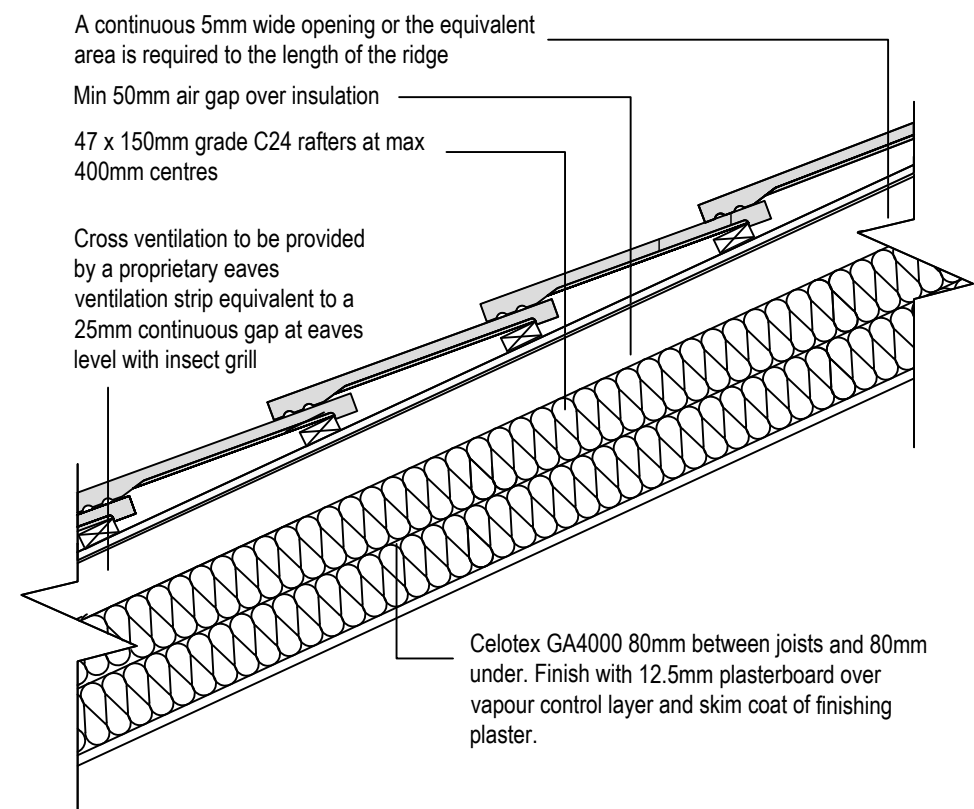


5 UPGRADING EXISTING CAVITY WALL (battens)



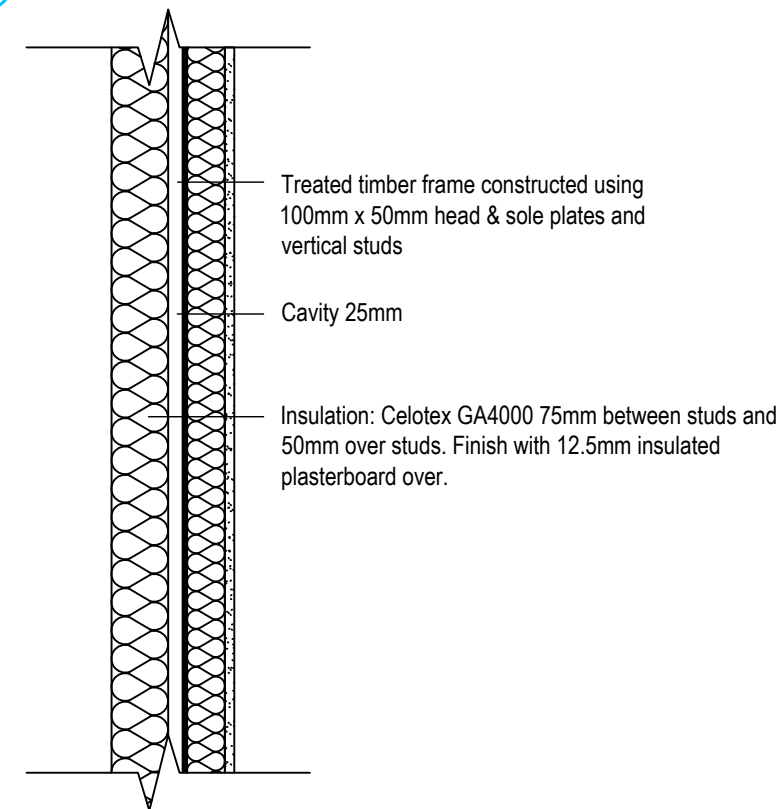
DRY LINING EXISTING CAVITY WALL
To achieve min U-value 0.30W/m².K
The existing external walls must be checked for stability and be free from defects as required by the Building Control Officer. Mechanically fix 62.5mm Celotex PL4000 insulated dry-lining board to 25 x 50mm treated timber battens set at maximum 600mm centres and positioned horizontally at floor and ceiling level.
Fix using drywall screws or galvanised clout nails placed at 150mm centres. Tape joints and seal perimeter edges with mastic, to provide a vapour control layer. All work in accordance with BS 8212: 1995 (Code of practice for dry lining).

8 UPGRADE OF PITCHED ROOF



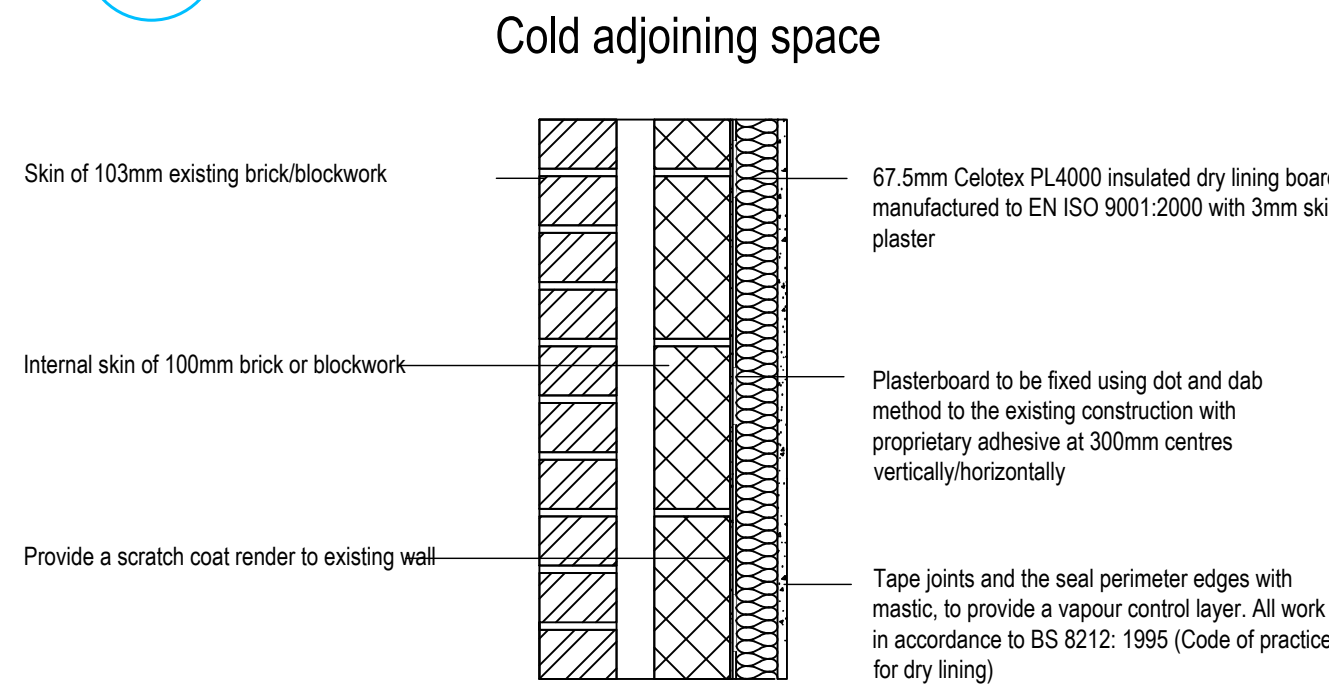
UPGRADE OF PITCHED ROOF
(imposed load max 0.75 kN/m² - dead load max 0.75 kN/m²)
Vented roof – pitch 22-45°
To achieve U-value 0.16 W/m².K
Existing roof structure to be assessed by a structural engineer and any alterations to be carried out in strict accordance with structural engineer's details and calculations which must be approved by building control before works commence on site. The existing roof condition must be checked and be free from defects as required by the Building Control Officer any defective coverings or felt to be replaced in accordance with manufacturer's details.
Roof construction - 47 x 150mm Grade C24 rafters at max 400mm centres. Insulation to be Celotex GA4000 80mm between and 80mm under joists. Finish with 12.5mm plasterboard over vapour control layer and skim coat of finishing plaster. Maintain a 50mm air gap above insulation to ventilate roof. Provide opening at eaves level at least equal to continuous strip 25mm wide and opening at ridge equal to continuous strip 5mm wide to promote ventilation or provide equivalent high and low level tile vents in accordance with manufactures details.

6 ASHLAR/DWARF WALL



STUD ASHLAR/DWARF WALL
To achieve minimum U Value of 0.18W/m².K
Construct stud wall using 100mm x 50mm head and sole plates and vertical studs (with noggins) at 400mm centres or to structural engineer's details and calculations. Insulation: Celotex GA4000 75mm between studs and 50mm over studs. Finish with 12.5mm insulated plasterboard over.
All junctions to have water tight construction, seal all perimeter joints with tape internally and with silicon sealant externally.

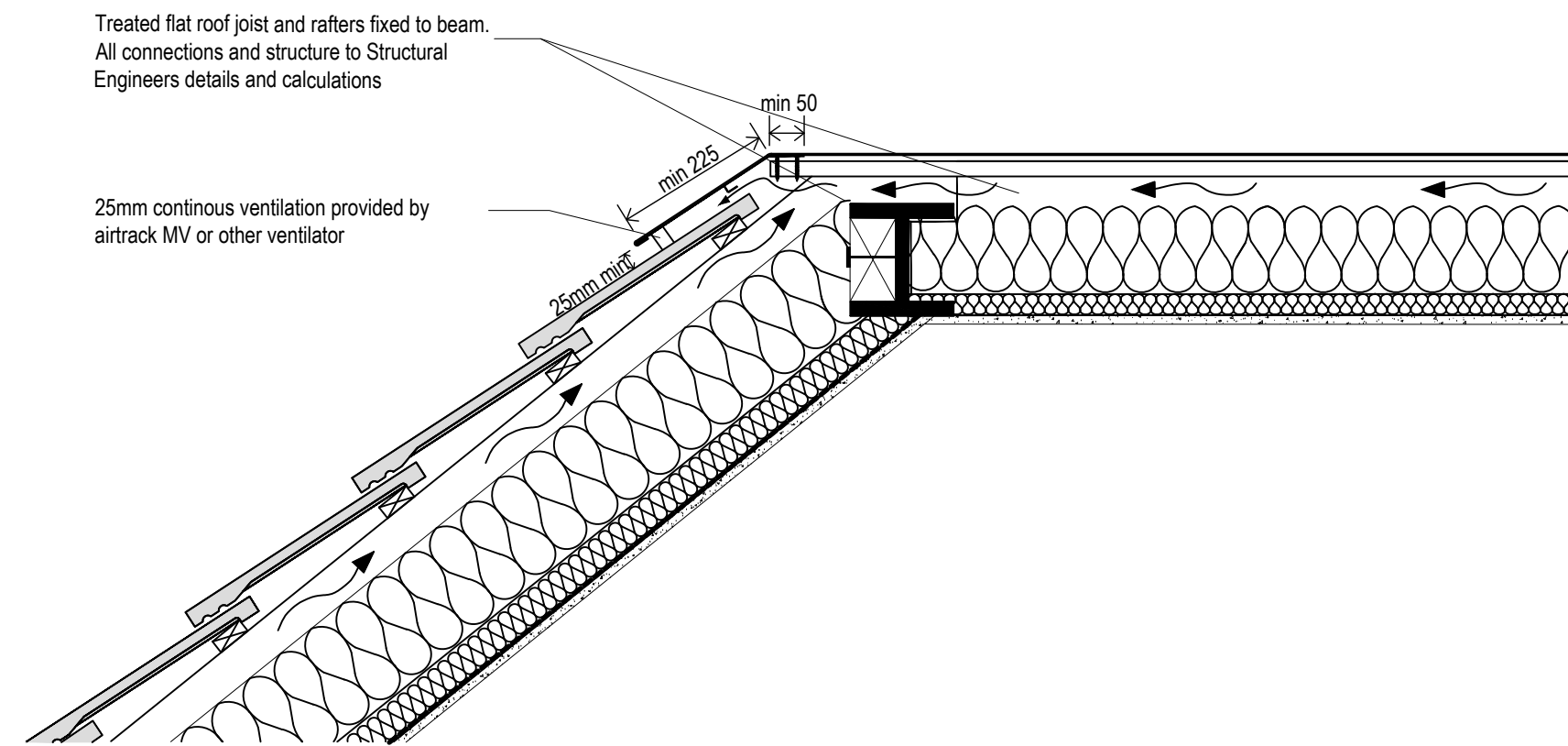
7 UPGRADING CAVITY PARTY WALL



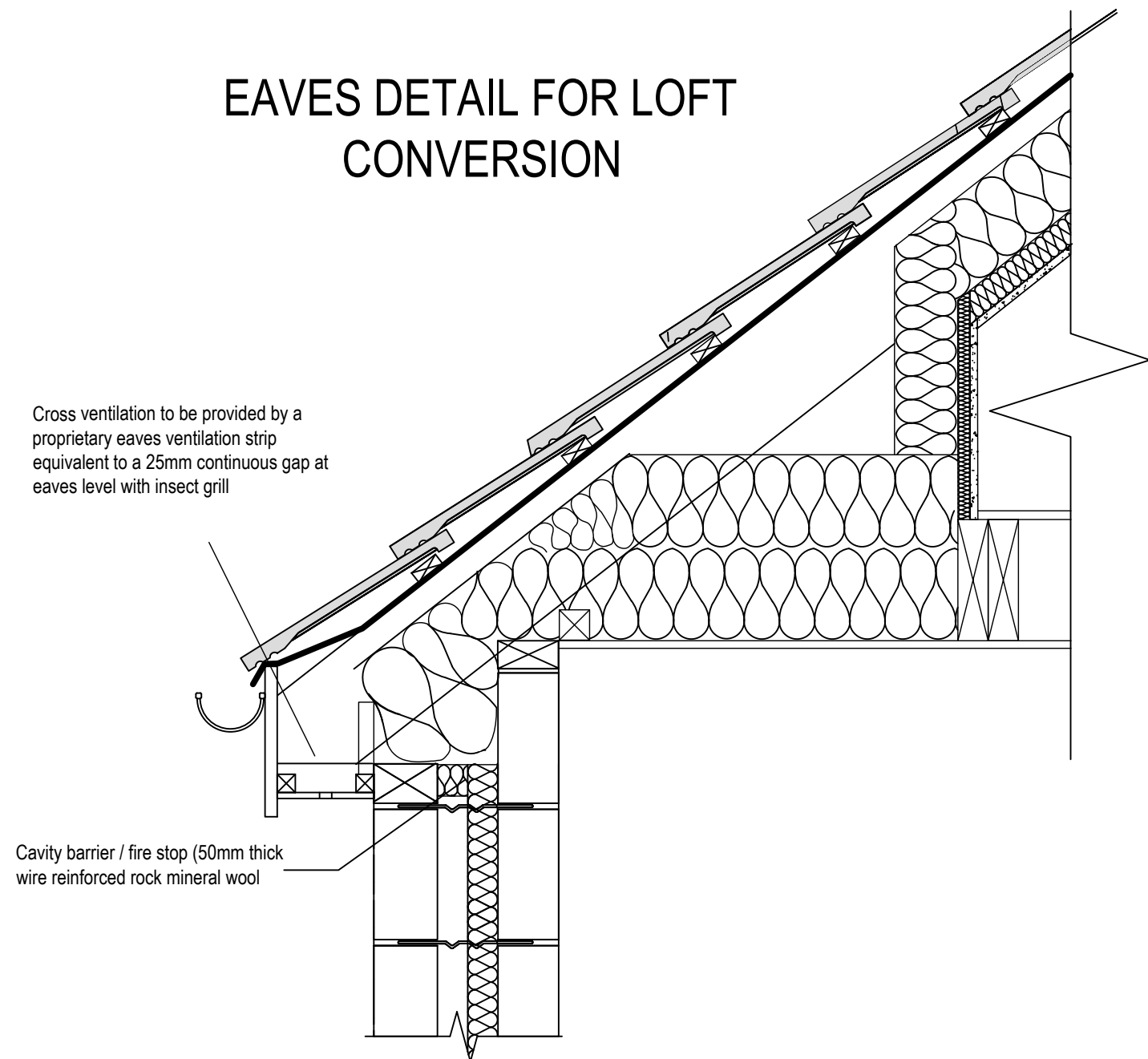
UPGRADING CAVITY PARTY WALL (cold adjoining space)
The existing party walls must be checked for stability and be free from defects as required by the Building Control Officer. Provide a scratch coat render to existing wall. Provide 67.5mm Celotex PL4000 insulated dry lining board manufactured to EN ISO 9001:2000 with 3mm skim plaster. Plasterboard to be bonded using dot and dab method to the existing construction with proprietary adhesive at 300mm centres vertically/horizontally and in accordance with manufactures instructions. Tape joints and seal perimeter edges with mastic, to provide a vapour control layer. All work in accordance with BS 8212: 1995 (Code of practice for dry lining).

LOFT RIDGE DORMER DETAIL

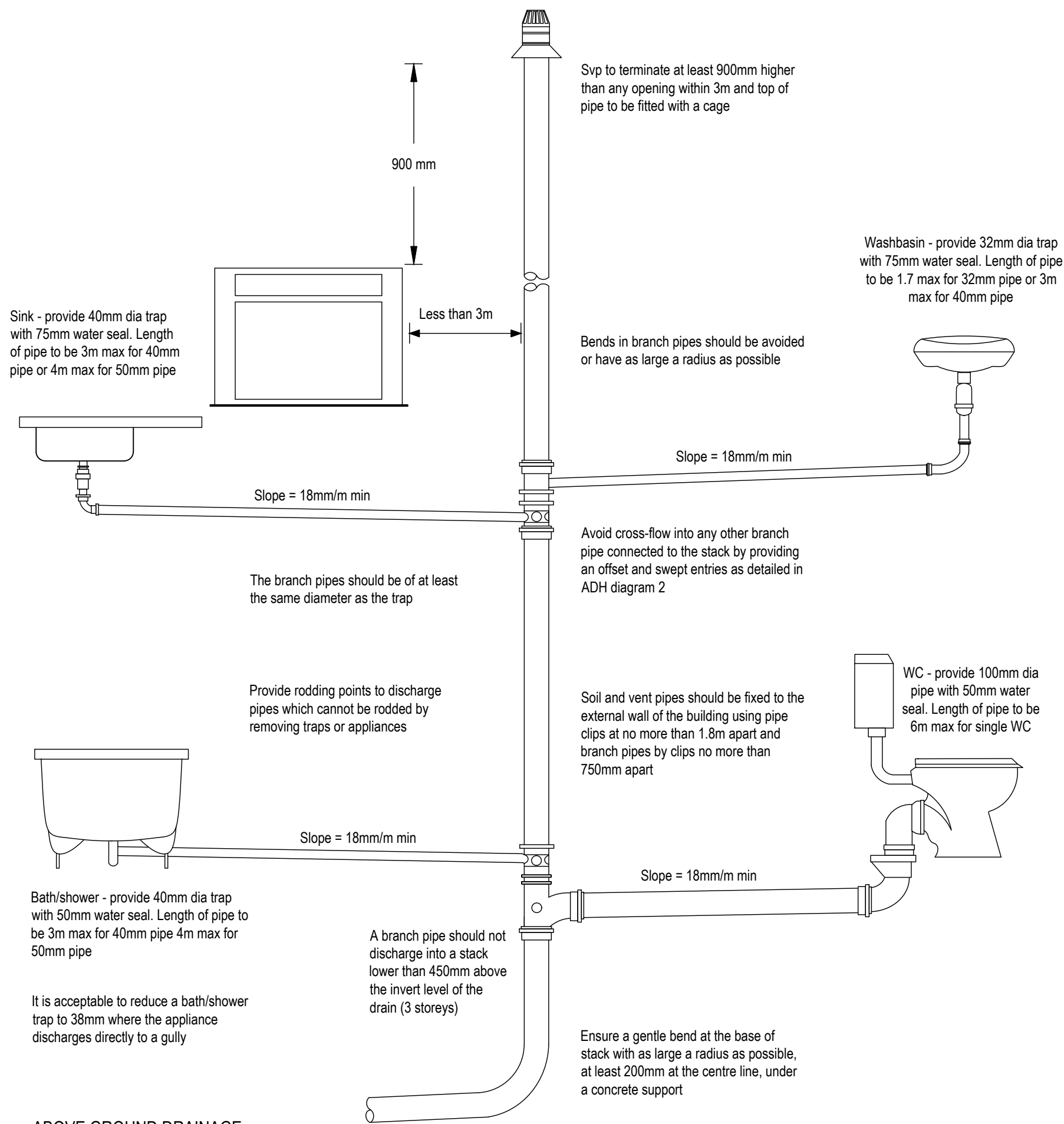
Structural design by suitably qualified engineer



EAVES DETAIL FOR LOFT CONVERSION



ABOVE GROUND DRAINAGE
SCALE 1:20



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.

Arkiplan

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Site	18 Downland Way, Durrington, Salisbury SP4 8BX	Date	03.12.2025		
		Sheet	25-2218	D10	REV 4
		Job	Loft Conversion		
		Scale	Not To Scale		
Title Number	WT207133	Title	Section Detail Drawings		